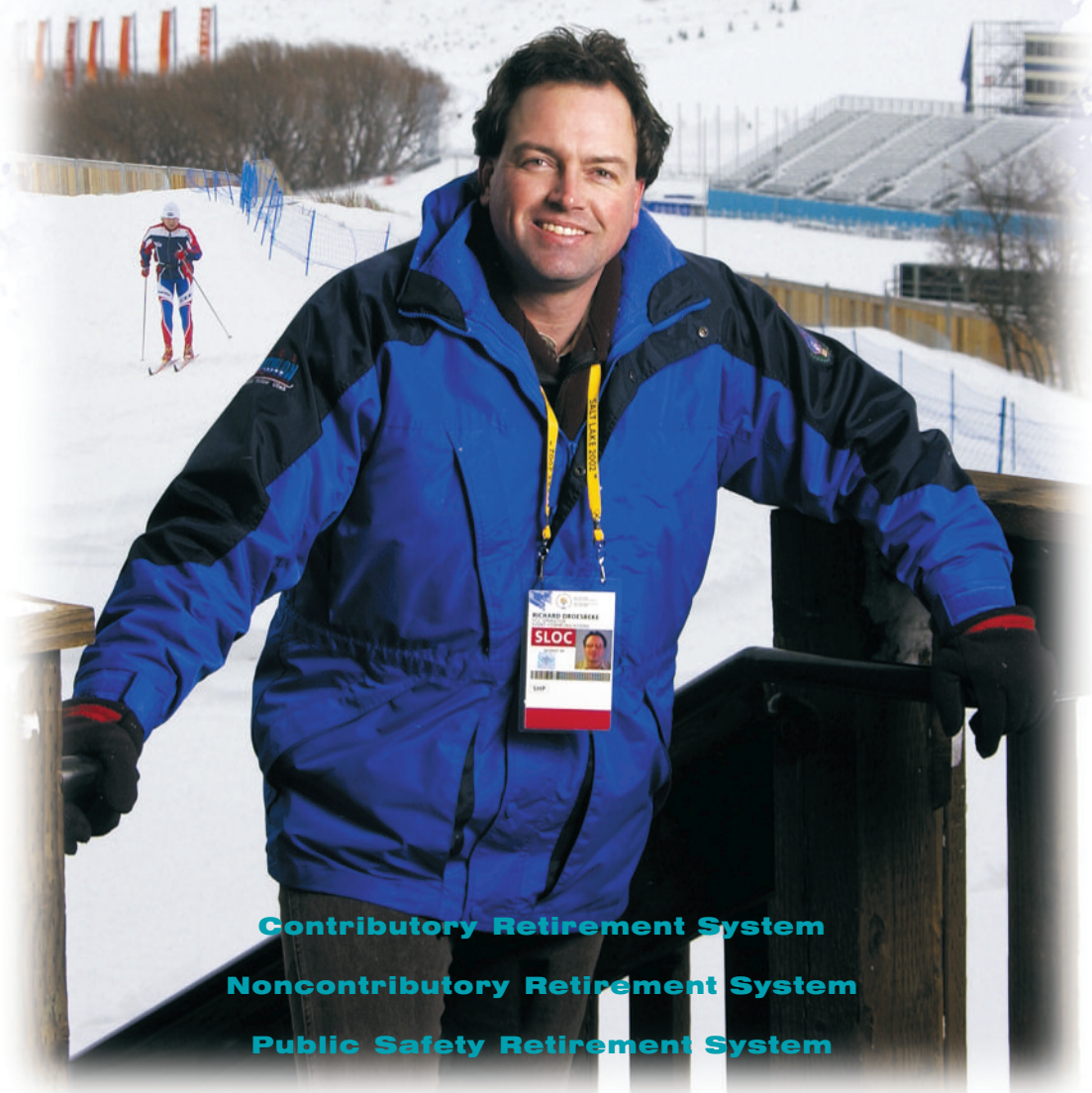


# UTAH RETIREMENT SYSTEMS

## *2001 Comprehensive Annual Financial Report*

*For the Year Ended December 31, 2001*



**Contributory Retirement System**

**Noncontributory Retirement System**

**Public Safety Retirement System**

**Firefighters Retirement System**

**Judges Retirement System**

**Governors and Legislative Pension Plan**

**401(k) and 457 Plans**

Certificate of  
Achievement  
for Excellence  
in Financial  
Reporting

Presented to

Utah Retirement  
Systems

For its Comprehensive Annual  
Financial Report  
for the Fiscal Year Ended  
December 31, 2000

A Certificate of Achievement for Excellence in Financial Reporting is presented by the Government Finance Officers Association of the United States and Canada to government units and public employee retirement systems whose comprehensive annual financial reports (CAFRs) achieve the highest standards in government accounting and financial reporting.



*Samuel D. Brewer*

President

*Jeffrey L. Esser*

Executive Director

On the Cover:  
Richard Dreesbeke  
Department of Natural Resources  
On Assignment for  
2002 Winter Games

# UTAH RETIREMENT SYSTEMS

## *2001 Comprehensive Annual Financial Report*

*For the Year Ended December 31, 2001*



**Contributory Retirement System**

**Noncontributory Retirement System**

**Public Safety Retirement System**

**Firefighters Retirement System**

**Judges Retirement System**

**Governors and Legislative Pension Plan**

**401(k) and 457 Plans**

Prepared by

Finance Department ▪ Utah Retirement Systems  
560 East 200 South ▪ Salt Lake City, Utah 84102-2021  
[www.urs.org](http://www.urs.org)

Robert V. Newman, Executive Director  
Robert J. Stringham, CPA, Chief Financial Officer

## 2001 Comprehensive Annual Financial Report

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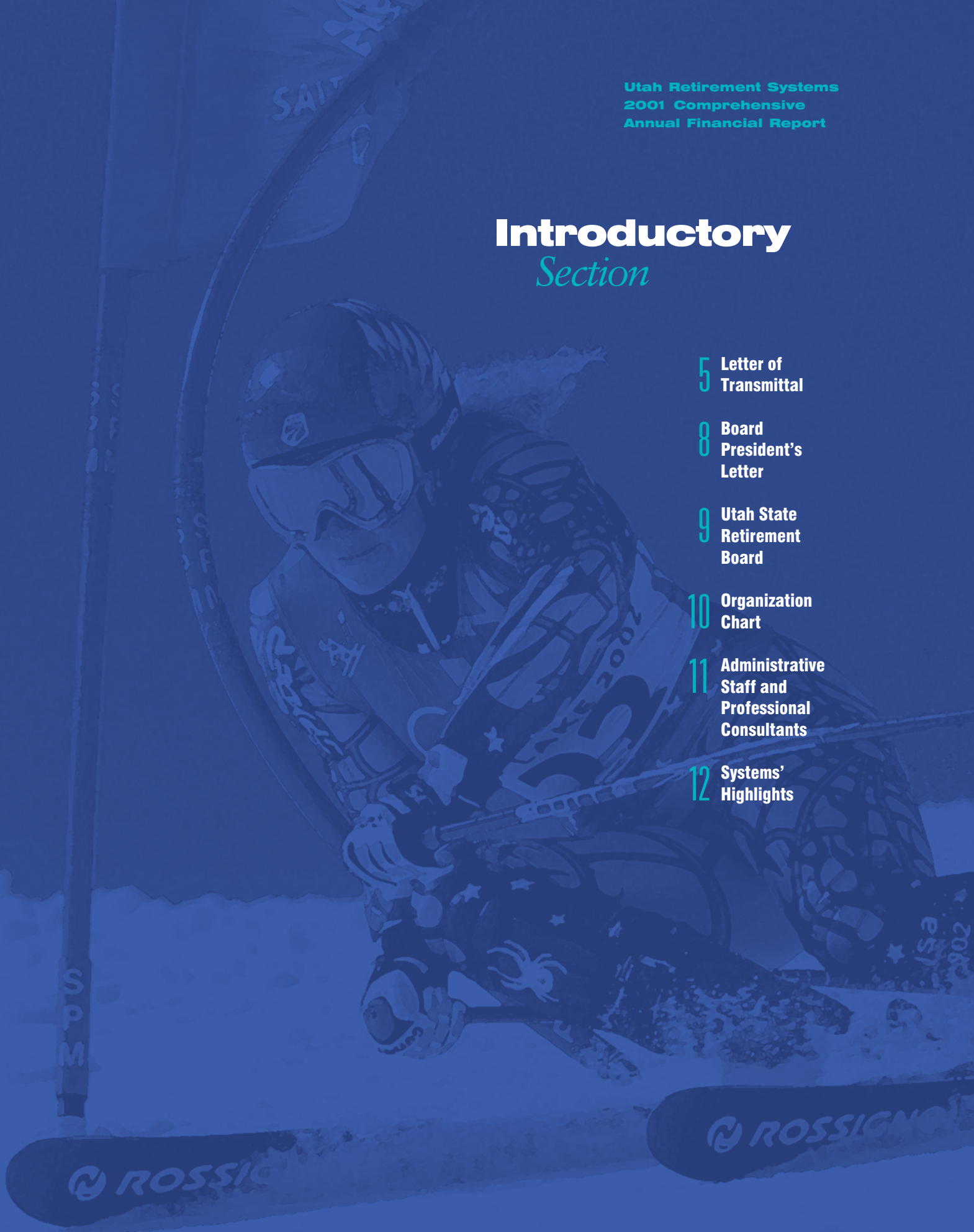
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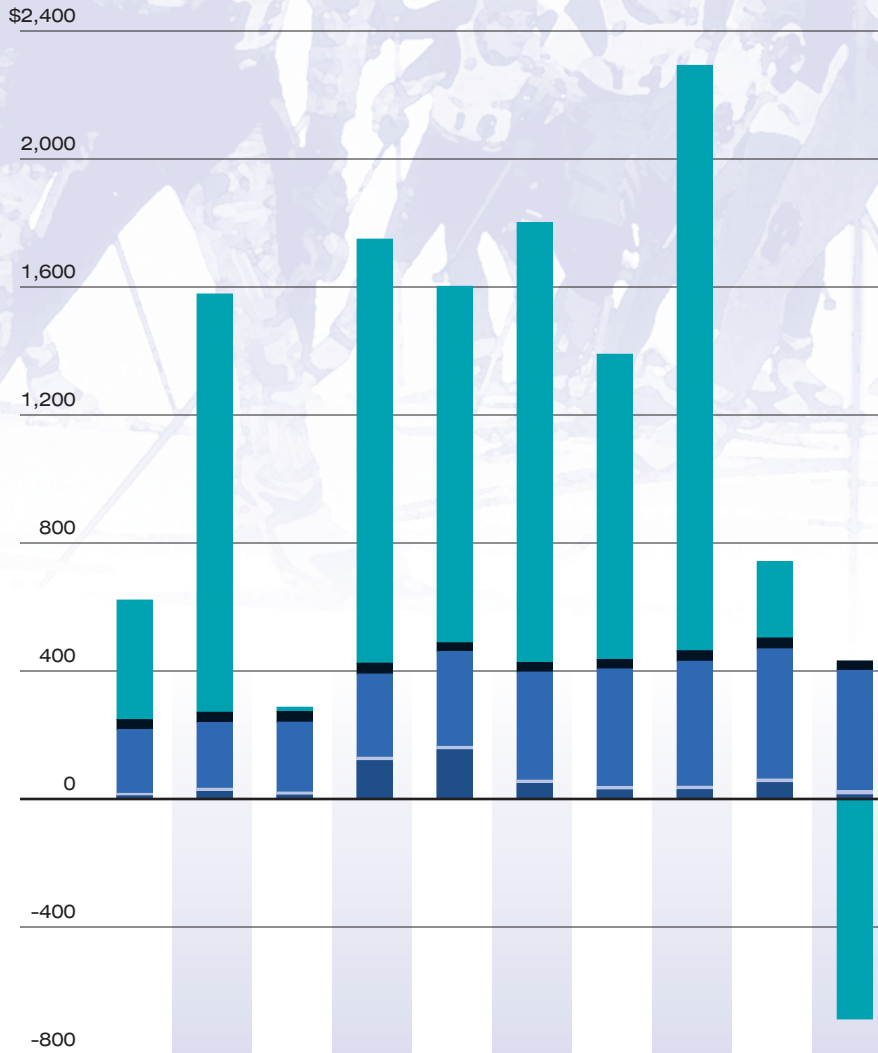
11 Administrative  
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Highlights



## All Retirement Systems Additions by Source

(in millions)



(in millions)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Net Investment Income	\$375	1,312	14	1,330	1,118	1,381	958	1,836	239	(693)
Member Contributions	31	32	33	34	28	29	29	33	34	31
Employer Contributions	213	212	234	266	302	344	374	397	414	388
Court Fees and Premium Tax	4	5	5	6	6	6	6	6	8	10
Transfers from Systems	5	27	6	124	158	52	32	33	55	8
<b>Totals</b>	<b>\$628</b>	<b>1,588</b>	<b>292</b>	<b>1,760</b>	<b>1,612</b>	<b>1,812</b>	<b>1,399</b>	<b>2,305</b>	<b>750</b>	<b>(256)</b>

# Letter of Transmittal

UTAH STATE RETIREMENT BOARD  
**UTAH RETIREMENT SYSTEMS**  
560 East 200 South  
Salt Lake City, Utah 84102-2021  
(801) 366-7700  
(800) 365-8772 TOLL FREE  
(801) 366-7734 FAX

ROBERT V. NEWMAN  
EXECUTIVE DIRECTOR

February 28, 2002

Utah State Retirement Board  
560 East 200 South  
Salt Lake City, UT 84102-2021

Dear Board Members:

We are pleased to present the 2001 Comprehensive Annual Financial Report of the Utah Retirement Systems (Systems) and 401(k) and 457 Plans (Plans), a component unit of the State of Utah, administered by the Utah State Retirement Board for calendar year 2001. The financial reporting entity of the Systems and Plans include the Public Employees Contributory and Noncontributory Retirement Systems, for both government and public education employees, the Public Safety, Firefighters and Judges Retirement Systems, the Governors and Legislative Pension Plan, and the 401(k) and 457 Plans.

Responsibility for both the accuracy of the data, and the completeness and fairness of the presentation, including all disclosures, rests with the management of the Systems. To the best of our knowledge and belief, the enclosed data is accurate in all material respects and is reported in a manner designed to present fairly the financial position and results of operations of the fiduciary funds.

For financial reporting purposes, the Systems and Plans utilize Governmental Accounting Standards Board (GASB) Statement No. 25, *Financial Reporting for Defined Benefit Pension Plans and Note Disclosures for Defined Contribution Plans*, GASB Statement No. 34, *Basic Financial Statements—and Management's Discussion and Analysis—for State and Local Governments*, GASB Statement No. 37, *Basic Financial Statements—and Management's Discussion and Analysis—for State and Local Governments: Omnibus*, and GASB Statement No. 38, *Certain Financial Statement Note Disclosures*. Assets of the Systems and Plans are presented at fair value. The actuarial value of assets and

the actuarial accrued liability are presented in the required supplementary information following the notes to the financial statements.

The Utah Retirement Systems and 401(k) and 457 Plans were established by legislation and authorized as indicated in the notes to the financial statements on page 42. The Summaries of Plan Provisions are presented on pages 106 through 115. The number of active and retired members and beneficiaries for each system is presented in the Systems' Highlights on pages 12 through 24. The purpose of the Systems and Plans is to provide benefits for all eligible State, local government and most public education employees whose employers have elected to participate. Services provided by the staff are performed to meet that objective.

The 2001 Comprehensive Annual Financial Report is presented in five sections. The Introductory Section contains the letter of transmittal, the Board President's letter, identification of the Systems' administrative organization and professional consultants, as well as Systems' Highlights for each retirement system and plan. The Financial Section contains the opinion of the independent auditors, management's discussion and analysis (MD&A) (a new addition to the report), the basic financial statements and required supplementary information of the Systems, and further information about the Systems at division levels. The Investment Section contains investment information and a list of the largest holdings. The Actuarial Section contains the independent consulting actuary's certification, an outline of actuarial assumptions and methods, and other actuarial statistics. The Statistical Section contains tables of significant data pertaining to the Systems.

## Letter of Transmittal *(Continued)*

### **Economic Condition and Outlook**

The economic condition of the Systems is based primarily upon investment earnings. The Systems' investments were evaluated at year end by Callan Associates Inc., Investment Measurement Service. A comparative analysis of rates of return is presented on page 85 of this report.

### **For the Future**

During 2001, actuarial assumptions and contribution rates were based on the recommendations of our actuary. See the Actuarial Section of this report and the notes to the basic financial statements for explanations of these rates. Rate changes resulted from actuarial assumption modifications, economic conditions, actuarial experience gains and losses and benefit enhancements in the Systems.

The Utah Retirement Systems are maintained on an actuarially sound basis as certified in this report by our actuary, thus protecting participants' future benefits. We anticipate that investment earnings on a long term basis will continue to meet or exceed the actuarially assumed earning rate. We expect all systems to continue towards fully funded positions in accordance with actuarial assumptions.

### **Financial Information**

Management is responsible for maintaining a system of adequate internal accounting controls designed to provide reasonable assurance that transactions are executed in accordance with management's general or specific authorization, and are recorded as necessary to maintain accountability for assets and to permit preparation of financial statements in accordance with generally accepted accounting principles. This system includes written policies and procedures and an internal audit department that reports to the Board. Discussion and analysis of net assets and related additions and deductions is presented in the MD&A beginning on page 28.

### **Funding**

Funds are derived from the excess of additions, which include contributions and investment earnings, over deductions, which are comprised of benefits and administrative expenses. Funds are accumulated to meet future benefit obligations to retirees and beneficiaries. This accumulated balance is referred to as the "net assets held in trust for pension benefits" in the

Statements of Fiduciary Net Assets in the Financial Section of this report. The actuarial accrued liability is not disclosed in the basic financial statements but is disclosed in the required supplementary information schedules immediately following the notes to the financial statements. These schedules show the actuarial value of assets, which is based on a five-year smoothed expected rate of return, wherein the excess or shortfall of investment income over or under the actuarial assumed income of 8% is recognized over a five-year period. This is the value of assets used by the actuary in determining contribution rates for the Systems as disclosed in note 5 to the financial statements.

The actuarial accrued liability of the Systems is determined by the actuary. It is a measure of the present value of actuarial accrued liabilities estimated to be payable in the future to current retirees, beneficiaries and employees for service earned to date. The percentage computed by dividing the actuarial value of net assets available for benefits by the actuarial accrued liability is generally referred to as the "funding ratio". This ratio provides an indication of the funding status of the Systems on a going-concern basis and generally, the greater this percentage, the stronger the system. A higher level of funding gives the participants a greater degree of assurance that their pension benefits are secure.

Although the historical level of funding is good, constant effort will be directed at achieving full funding status, assuring participants of financially sound retirement systems. Funding status and progress for overall Systems are presented in the Required Supplementary Information Schedules of Funding Progress on page 52. The current funding ratios range from 98% to 149%.

### **Investments**

The investment portfolio mix at fair value as of the end of 2001 was 27% debt securities, 55% equities, 5% alternative investments, 8% real estate and 5% cash equivalents. The 27% debt securities is comprised of 21% domestic and 6% international instruments. The 55% equities are comprised of 41% domestic and 14% international equities. See MD&A and Investment Section for more detailed analysis and information. The Systems' investment outlook is long-term allowing the portfolio to take advantage of the favorable risk-return characteristics of equities by placing more emphasis on this category.



## Letter of Transmittal *(Continued)*

The Board utilizes internal and external portfolio managers employing both passive (indexed) and active strategies. The portfolio is broadly diversified among equities, debt securities, real estate and alternative investments with additional diversification achieved through domestic and international investing.

### Investment Risk

The investment policy is to minimize credit and market risks while maintaining a competitive yield on its portfolio. Accordingly, deposits are either insured by federal depository insurance or collateralized. All collateral on deposits is held in the counterparties' joint custody accounts at the Federal Reserve Bank. On occasion, deposits may be significantly greater than collateral due to investment purchase "fails", receipt of interest earnings on the 15th of each month and proceeds from investment sales and maturities. Of approximately \$14.4 billion in investments at fair value as of December 31, 2001, none of the investments were in the category of highest custodial credit risk as defined by the GASB.

### Independent Audit

An annual audit of the Systems and Plans was conducted by the independent accounting firm of Deloitte & Touche LLP. The auditors' report on the basic financial statements is included in the Financial Section of this report.

### Actuarial Valuation

An actuarial valuation of the Systems is performed annually. An assumption experience study is performed at least every other year. The actuarial firm, Gabriel, Roeder, Smith & Company completed the actuarial reviews and valuations and served as technical advisor to the Systems. Actuarial certification and supporting statistics are included in the Actuarial and Statistical Sections of this report.

Sincerely yours,



Robert J. Stringham, CPA  
Chief Financial Officer

### Awards

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to the Utah Retirement Systems for its Comprehensive Annual Financial Report for the fiscal year ended December 31, 2000. The Certificate of Achievement is a prestigious national award recognizing conformance with the highest standards for preparation of state and local government financial reports.

In order to be awarded a Certificate of Achievement, a government unit must publish an easily readable and efficiently organized comprehensive annual financial report, whose contents conform to program standards. Such financial reports must satisfy both generally accepted accounting principles and applicable legal requirements. A Certificate of Achievement is valid for a period of one year only. The Utah Retirement Systems has received a Certificate of Achievement for the last 17 years. We believe our current report continues to conform to the Certificate of Achievement Program requirements, and we are submitting it to GFOA.

### Acknowledgments

The compilation of this report reflects the combined efforts of the staff under the leadership of the Utah State Retirement Board. The report is intended to provide extensive and reliable information for making management decisions, determining compliance with legal provisions, and determining responsible stewardship for the assets contributed by the Systems' members and their employers.

We would like to take this opportunity to express our gratitude to the Board, the staff, the advisors, and the many people who have worked so diligently to assure the successful operation and financial soundness of the Utah Retirement Systems.



Robert V. Newman  
Executive Director

## Board President's Letter

UTAH STATE RETIREMENT BOARD

### UTAH RETIREMENT SYSTEMS

560 East 200 South  
Salt Lake City, Utah 84102-2021  
(801) 366-7700  
(800) 365-8772 TOLL FREE  
(801) 366-7734 FAX

ROBERT V. NEWMAN  
EXECUTIVE DIRECTOR

February 28, 2002

Utah State Retirement Board  
560 East 200 South  
Salt Lake City, UT 84102-2021

Dear Members of the Utah Retirement Systems:

As I report on the activities and programs of the Utah Retirement Systems for 2001, I'm pleased to note that membership in the Utah Retirement systems has grown. Some 30,000 retirees now enjoy monthly benefits from the Retirement Systems, and more than 94,000 working members of the Systems are earning future retirement benefits.

As board members we serve as trustees to ensure that members' interests are properly safeguarded. We have the responsibility and mandate to provide retirement benefits to members for the valued service they've rendered to the public. Even though the Systems realized their first year of adverse investment returns since 1973-74, as the economy and the stock market experienced corrective declines, we view it in context of a quarter century of positive, wealth building returns that continue to sustain the Systems' growth.

**The Systems remain sound.** Thanks to prudent funding decisions established over several decades by governors, legislatures and boards, the outlook for the Systems is positive. While last year's market decline trimmed the Systems' assets by \$860 million, this decline does not impair the Fund's ability to pay promised benefits to retirees. Assets of the Retirement Systems remain at a solid \$12.58 billion, and the Systems are poised for opportunities and growth in the years ahead.

**Investments show prudent planning.** In 2001 as many investors saw double-digit losses, the System's Investment Fund limited its decline to 4.99%. The Board has successfully minimized adverse external influences by diversifying investment assets. Although the Fund's average five-year return decreased to 7.5%, its 10-year average of 9.42% continues to exceed actuarial assumptions. The ability to deter major losses in an unfavorable investment environment is evidence of sound investment strategy over the long term.

**401(k) and 457 plans.** I'm happy to report that member confidence in the 401(k) and 457 plans continues to grow as members took advantage of eleven available investment options having varying degrees of risk and opportunity. As expected in a year of market volatility, participants' rates of return varied. Account balances in these plans approached \$1.53 billion in 2001, and we expect that the new federal rules for these plans will spur increased participation and wealth for many members.

**Board and Staff.** I express my appreciation to outgoing Board President Marvin J. Hammond and the board members Mary Garner and Edgar Thronsen for their years of dedicated service. I'm happy to welcome three new members, each with varied financial expertise: F. James Cowan, John L. Lunt, and William N. Shiebler. I also express the board's confidence and appreciation to Executive Director Robert Newman and his staff for their excellent management of the Systems.

Sincerely,



Lily Eskelsen, President  
Utah State Retirement Board

## Retirement Board, Membership Council, and Executive Director



**Clifford D. White**

- Appointed October 20, 2000
- Term expires July 1, 2003
- Represents investment community

**F. James Cowan**

- Appointed July 1, 2001
- Term expires July 1, 2005
- Represents investment community

**William N. Shiebler**

- Appointed July 1, 2001
- Term expires July 1, 2005
- Represents investment community

**Lily Eskelsen**  
*President*

- Appointed July 1, 1995
- Term expires July 1, 2003
- Represents education employees

**Duane C. Frisby**  
*Vice-President*

- Appointed July 1, 1999
- Term expires July 1, 2003
- Represents public employees

**John L. Lunt**

- Appointed July 1, 2001
- Term expires July 1, 2005
- Represents investment community

**Edward T. Alter**

- Member since January 1, 1981
- Ex-officio member
- State Treasurer

### Executive Director



**Robert V. Newman**  
*Executive Director*

### Membership Council

**Member/Represents**

**Ms. Elaine Tzourtzouklis\***

*(Chairperson)*  
Represents Utah Education Association

**Mr. Kent Abel\***

*(Vice-chairperson)*  
Represents Utah Retired School Employees Association

**Sgt. Les Langford\***

Represents Utah Peace Officers Association

**Ms. Phyllis Sorensen\***

Represents Utah Education Association

*\*Executive Committee*

**Member/Represents**

**Mr. Robert E. Steele\***

Represents Utah Public Employees Association

**Mr. G. Steven Baker**

Represents Utah Association of Counties

**Mr. Henry Dumas**

Represents Utah School Employees Association

**Mr. Tom Hardy**

Represents Utah League of Cities and Towns

**Member/Represents**

**Mr. Dean Holbrook**

Represents Utah Association of Retired Public Employees

**Mr. Douglas B. Luke**

Represents Utah Education Association

**Honorable Paul G. Maughan**

Represents Utah Judicial Council

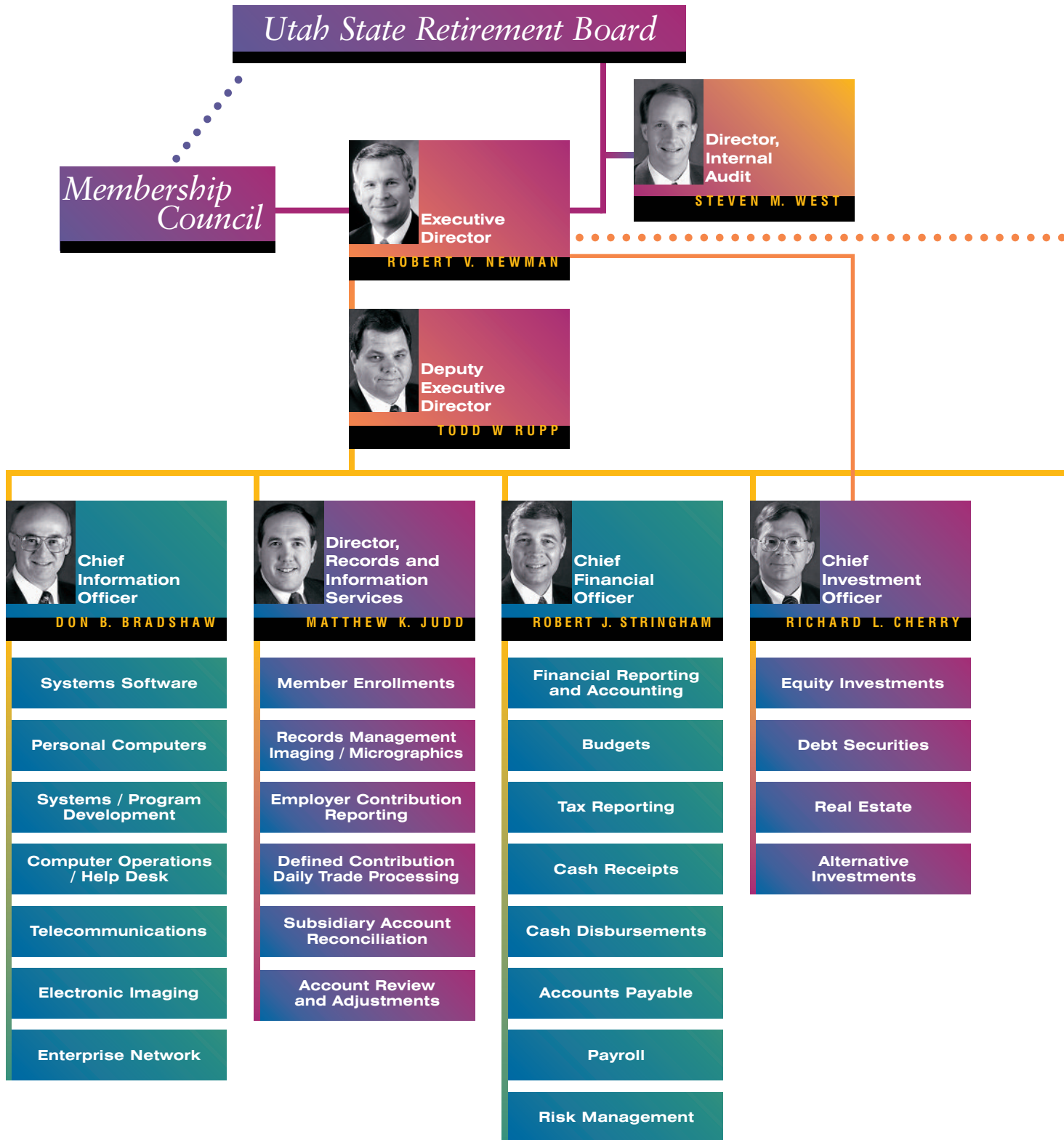
**Mr. Marty Peterson**

Represents Professional Firefighters of Utah

**Ms. Patti Wayman**

Represents Utah Public Employees Association

**Utah State Retirement Board**  
*Organization Chart*



**PROFESSIONAL SERVICES**

Actuary • Auditor • Legal • Consultants  
Investment Advisors • Medical Advisor

Detail for professional service providers is shown at right.  
Investment professionals are presented on pages 88 and 91.



**Director,  
Defined  
Contribution  
Plans & Field  
Services**

**CRAIGE D. STONE**

401(k) Plan

457 Plan

Field Services

Branch Office



**Director,  
Human  
Resources &  
Administrative  
Services**

**DON G. PUGMIRE**

Human Resources

Communications

Maintenance /  
Engineering

Safety / Security



**Director,  
Retirement**

**SHERRIE ARCHIBALD**

Retirement Benefits

Death Benefits

Redeposits, Purchases  
and Adjustments

Refunds

**Administrative Staff**

Robert V. Newman, CPA  
*Executive Director*

Todd W Rupp, CPA  
*Deputy Executive Director*

Steven M. West, CPA, CFE  
*Director, Internal Audit*

Don B. Bradshaw  
*Chief Information Officer*

Robert J. Stringham, CPA  
*Chief Financial Officer*

Matthew K. Judd  
*Director, Member Services*

Don G. Pugmire  
*Director, Human Resources*

Sherrie Archibald  
*Director, Retirement*

Craig D. Stone  
*Director, Defined Contribution  
Plans and Field Services*

Richard L. Cherry  
*Chief Investment Officer*

**Professional  
Consultants**

**Actuary**

Gabriel, Roeder, Smith  
& Company  
Suite 4200  
2001 Ross Avenue  
Dallas, TX 75201

**Auditor**

Deloitte & Touche LLP  
Certified Public Accountants  
Suite 1800  
50 South Main,  
Salt Lake City, UT 84144

**Legal Counsel**

Howard, Phillips & Anderson  
560 East 200 South  
Suite 300  
Salt Lake City, UT 84102

**Medical Advisor**

Howard McQuarrie, M.D.  
910 Donner Way, #702  
Salt Lake City, UT 84108

**Other Consultants**

Advanced Risk Mgmt.  
Techniques Inc.  
23701 Birtcher Dr.  
Lake Forest, CA 92630

The Segal Company  
6300 S. Syracuse Way  
Suite 200  
Englewood, CO 80111

**Contributory Retirement System Composite Picture**

**Total Membership**.....13,147  
 Active.....3,760  
 Terminated vested .....1,539  
 Retired .....7,848

**2001 Active Members**       
 Average age .....49.4  
 Average years of service.....17.6  
 Average annual salary.....\$37,627

**2001 Retirees**  
 Number .....98  
 Average age .....63.1  
 Average years of service.....19.0  
 Final average annual salary ....\$26,405  
 Average annual benefit .....\$9,341

**Average annual benefit**  
 —all retirees .....\$7,078

# Contributory System Highlights

**System Highlights**

**Membership**

The Public Employees Contributory Retirement System includes eligible public employees of the State of Utah and its political subdivisions and public education employees of those entities covered by the System.

**Service Retirement**

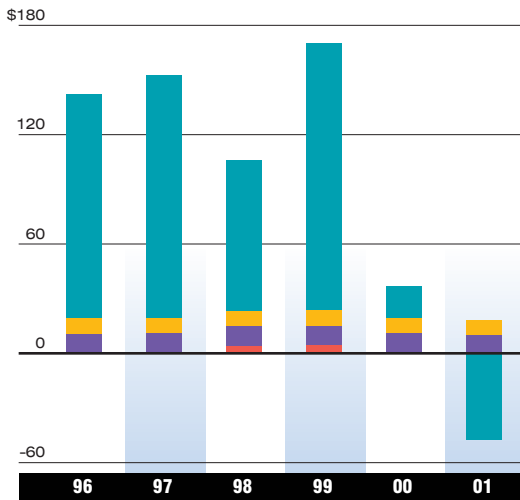
Age	Years of Service	Allowance Reduction
Any age....30	.....None	
60-61	.....20	.....3% each year before age 65
62-64	.....10	.....3% each year before age 65
65	.....4	.....None

**Service Benefit Formula**

1. Number of years of service before 7-1-75 x 1.25% x FAS\*.
2. Number of years of service after 6-30-75 x 2.0% x FAS\*.
3. Plan 1 allowance = total of 1 and 2.

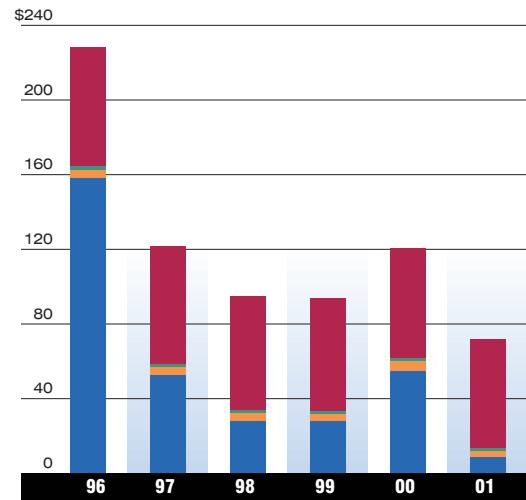
\*FAS (Final Average Salary) = highest five years' earnings converted to a monthly average. Yearly salary increases are limited to 10% plus a COLA determined by the CPI.  
 \*\*If FAS is \$500 or less the formula is 1.15% for each year of service before 7-1-67.

**ADDITIONS BY SOURCE**  
(in millions)



Investment Income	\$123.0	133.3	84.7	148.8	17.5	(47.8)
Member Contributions	8.8	8.5	8.4	8.5	8.5	8.6
Employer Contributions	10.2	10.7	10.7	10.8	10.5	8.5
Transfers from Systems	—	—	1.7	1.8	—	—
<b>Totals</b>	<b>\$142.0</b>	<b>152.5</b>	<b>105.5</b>	<b>169.9</b>	<b>36.5</b>	<b>(30.7)</b>

**DEDUCTIONS BY TYPE**  
(in millions)



Benefit Payments	\$64.5	63.9	62.2	61.1	60.3	59.6
Administrative Expense	1.0	0.8	0.7	0.8	0.7	0.7
Refunds	4.8	4.7	4.2	4.2	5.0	3.1
Transfers to Systems	157.6	52.0	27.7	27.4	54.6	8.4
<b>Totals</b>	<b>\$227.9</b>	<b>121.4</b>	<b>94.8</b>	<b>93.5</b>	<b>120.6</b>	<b>71.8</b>

**Contributory Retirement System**

**Cost of Living Allowance**

Up to 4% annually on original retirement benefit.

**Contribution Rates**

(as of 12-31-2001)

Member rate is 6.00% of covered salary.

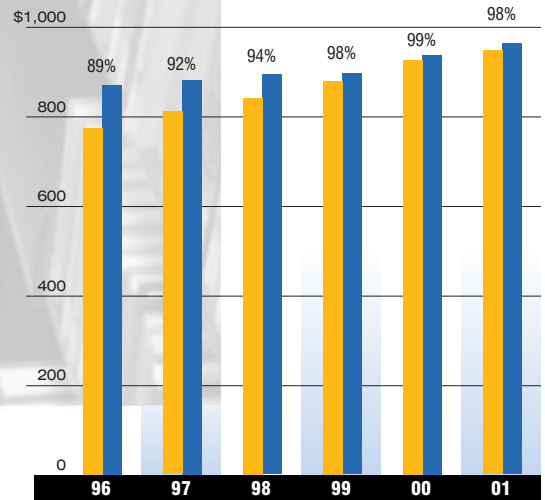
Employer rate for the State and School Division (Level A) is 5.91% of covered salary and 4.19% for the Local Government Division (Level B).

*For more detail see Summary of Plan Provisions on page 106.*

Pictured Left:  
Dr. Lida Andisheh  
Collection Specialist  
Marriott Library  
University of Utah



**FUNDING PROGRESS WITH FUNDING RATIOS**  
(dollars in millions)



Actuarial Value of Assets	\$773.0	809.4	840.2	878.2	924.6	945.7
Accrued Actuarial Liability	868.7	880.5	892.0	894.5	935.8	962.0
<b>Funding Ratios</b>	<b>89%</b>	<b>92%</b>	<b>94%</b>	<b>98%</b>	<b>99%</b>	<b>98%</b>

**Noncontributory Retirement System Composite Picture**

**Total Membership** .....119,615  
 Active.....81,383  
 Terminated vested .....19,067  
 Retired .....19,165

**2001 Active Members** ✎ ✕ ∞ ✎ ✕ ✓  
 Average age .....44.0  
 Average years of service.....9.7  
 Average annual salary.....\$34,581

**2001 Retirees**  
 Number .....1,577  
 Average age .....61.6  
 Average years of service.....22.1  
 Final average annual salary ....\$39,210  
 Average annual benefit .....\$17,651

**Average annual benefit**  
 —all retirees .....\$15,756

# Noncontributory System Highlights

**System Highlights**

**Membership**

The Public Employees Noncontributory Retirement System includes eligible public employees of the State of Utah and its political subdivisions and public education employees of those entities covered by the System.

**Service Retirement**

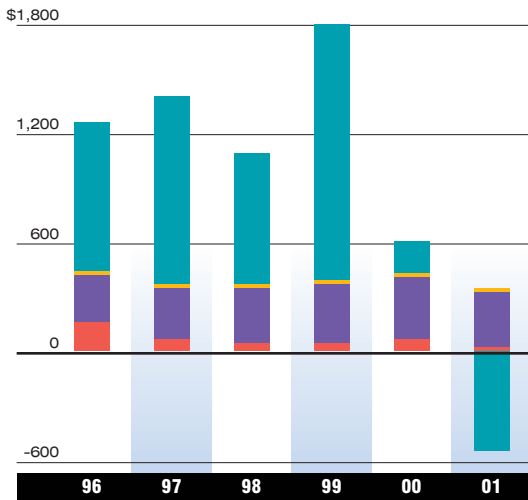
Age	Years of Service	Allowance Reduction
Any age.....	30 .....	None
Any age.....	25 .....	Full actuarial before age 60
60-61 .....	20 .....	3% each year before age 65
62-64 .....	10 .....	3% each year before age 65
65.....	4 .....	None

**Service Benefit Formula**

Number of years of service x 2.00% x FAS\*.

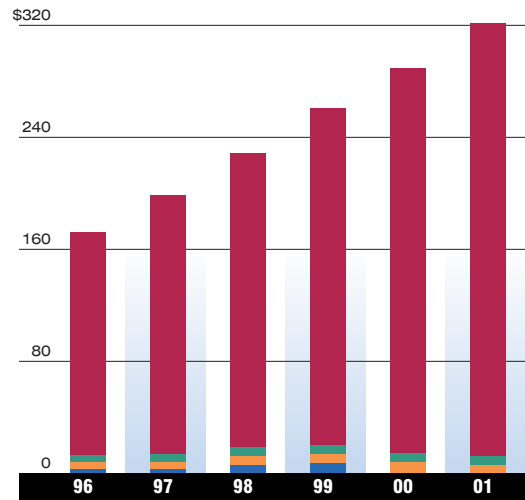
\*FAS (Final Average Salary) = highest three years' earnings converted to a monthly average. Yearly salary increases are limited to 10% plus a COLA determined by the CPI.

**ADDITIONS BY SOURCE**  
(in millions)



Investment Income	\$832.5	1,047.2	734.4	1,421.4	186.8	(544.8)
Member Contributions	6.7	7.3	7.7	10.9	11.5	11.0
Employer Contributions	260.1	294.9	318.6	338.7	352.3	332.0
Transfers from Systems	157.3	50.3	27.2	28.0	51.0	5.3
<b>Totals</b>	<b>\$1,256.6</b>	<b>1,399.7</b>	<b>1,087.9</b>	<b>1,799.0</b>	<b>601.6</b>	<b>(196.5)</b>

**DEDUCTIONS BY TYPE**  
(in millions)



Benefit Payments	\$ 161.0	186.3	213.8	243.8	276.9	311.3
Administrative Expense	5.7	6.3	6.5	7.1	6.8	6.7
Refunds	4.8	5.0	4.5	4.3	5.3	3.3
Transfers to Systems	0.3	0.3	3.5	4.7	—	—
<b>Totals</b>	<b>\$171.8</b>	<b>197.9</b>	<b>228.3</b>	<b>259.9</b>	<b>289.0</b>	<b>321.3</b>



**Noncontributory Retirement System**

**Cost of Living Allowance**

Up to 4% annually on original retirement benefit.

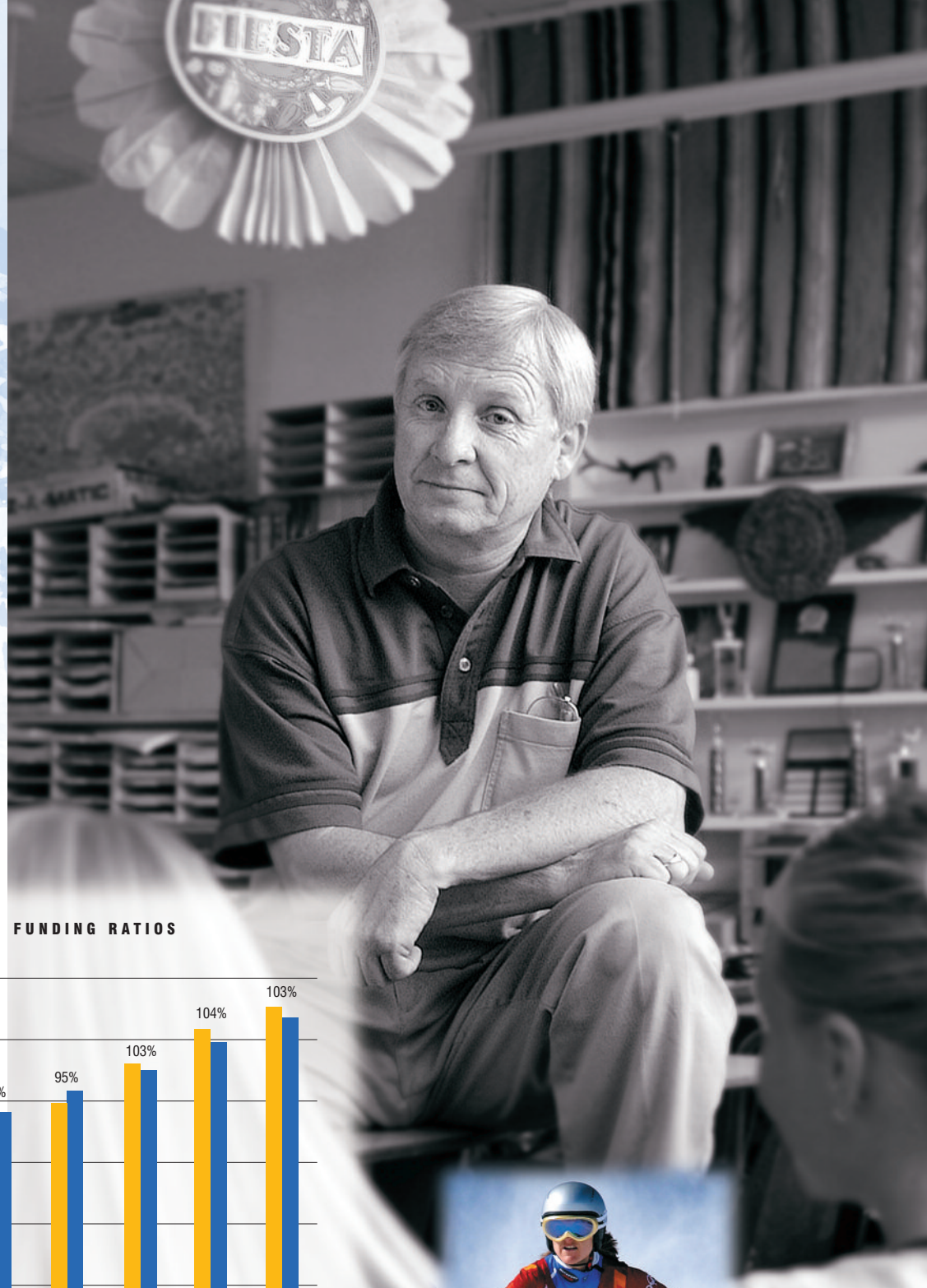
**Contribution Rates**

(as of 12-31-2001)

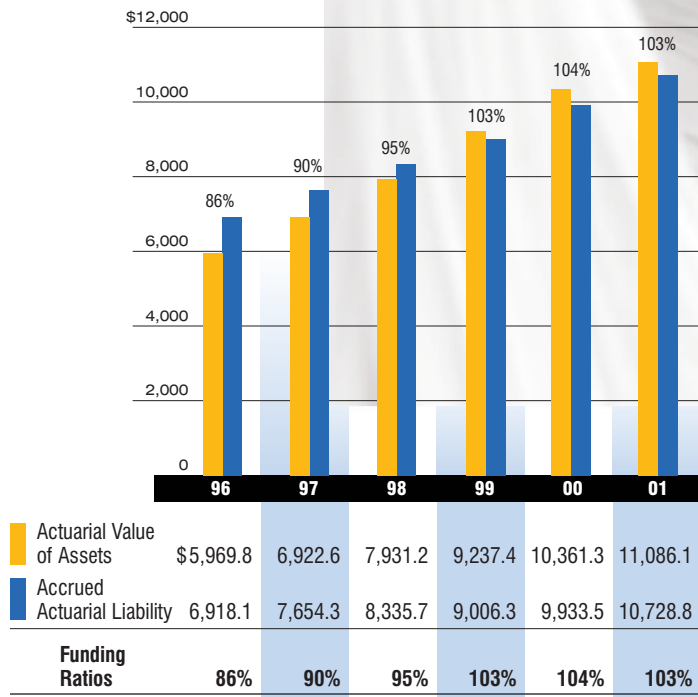
Employer rate for the State and School Division (Level A) is 10.40% of covered salary and 8.20% for the Local Government Division (Level B).

For more detail see Summary of Plan Provisions on page 107.

Pictured Right: Gary Turner, Spanish Teacher Wahlquist Junior High Ogden



**FUNDING PROGRESS WITH FUNDING RATIOS**  
(dollars in millions)



**Public Safety Retirement System Composite Picture**

**Total Membership** .....10,368  
 Active.....6,905  
 Terminated vested .....874  
 Retired .....2,589

**2001 Active Members**        
 Average age .....38.3  
 Average years of service.....8.7  
 Average annual salary.....\$37,705

**2001 Retirees**  
 Number .....271  
 Average age .....52.3  
 Average years of service.....19.7  
 Final average annual salary ....\$48,240  
 Average annual benefit .....\$23,240

**Average annual benefit**  
 —all retirees .....\$17,743

# Public Safety System Highlights

## System Highlights

### Membership

The Public Safety Retirement System includes eligible state and local government employees directly involved in law enforcement. The Public Safety System consists of the Contributory and Noncontributory divisions.

### Service Retirement

Age	Years of Service	Allowance Reduction
Any age	20	None
60	10	None
65	4	None

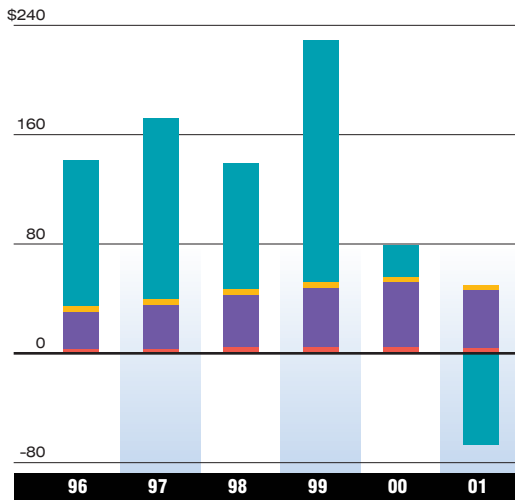
### Service Benefit Formula

- 2.5% x FAS\* x years of service up to 20 years.
- 2.0% x FAS\* x years of service over 20 years.
- Monthly benefit = total of 1 and 2.\*\*

\* FAS (Final Average Salary) = highest three years' earnings converted to a monthly average. Yearly salary increases are limited to 10% plus a COLA determined by the CPI.

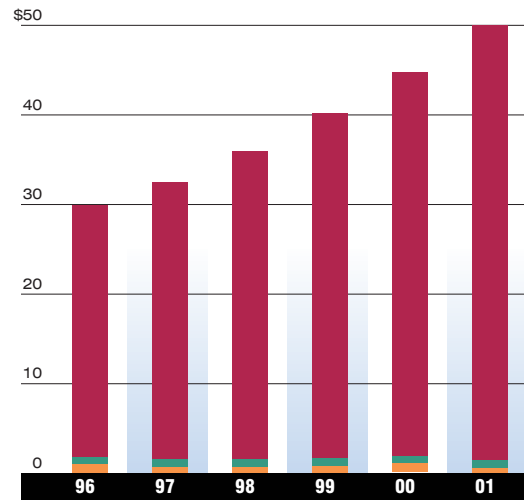
\*\* Benefits paid cannot exceed 70% of FAS.

**ADDITIONS BY SOURCE**  
(in millions)



Investment Income	\$107.1	132.5	92.3	177.0	23.2	(67.7)
Member Contributions	4.2	4.3	4.5	3.9	4.1	4.0
Employer Contributions	29.3	34.2	40.1	45.1	49.4	46.1
Transfers from Systems	0.4	0.9	1.9	2.3	2.0	1.4
<b>Totals</b>	<b>\$141.0</b>	<b>171.9</b>	<b>138.8</b>	<b>228.3</b>	<b>78.7</b>	<b>(16.2)</b>

**DEDUCTIONS BY TYPE**  
(in millions)



Benefit Payments	\$ 28.2	31.0	34.4	38.5	42.8	48.6
Administrative Expense	0.8	0.8	0.8	0.9	0.8	0.8
Refunds	0.9	0.6	0.6	0.7	1.0	0.5
<b>Totals</b>	<b>\$29.9</b>	<b>32.4</b>	<b>35.8</b>	<b>40.1</b>	<b>44.6</b>	<b>49.9</b>

**Public Safety Retirement System**

**Cost of Living Allowance**

Up to 2.5% annually on original retirement benefit.

**Contribution Rates**

(as of 12-31-2001)

**Contributory**

Member rates range from 10.50% to 13.74% of covered salary.

Employer rates range from 2.41% to 18.21% of covered salary.

**Noncontributory**

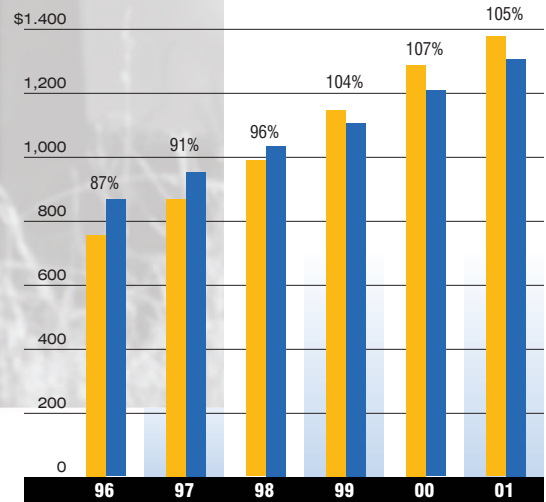
Employer rates range from 14.08% to 30.72% of covered salary.

For more detail see Summary of Plan Provisions on page 108.

Pictured Left:  
Jay P. Melton  
Deputy Sheriff  
Summit County



**FUNDING PROGRESS WITH FUNDING RATIOS**  
(dollars in millions)



Actuarial Value of Assets	\$775.1	867.2	988.8	1,146.3	1,287.0	1,376.5
Accrued Actuarial Liability	866.5	952.1	1,034.1	1,105.2	1,206.9	1,305.9
<b>Funding Ratios</b>	<b>87%</b>	<b>91%</b>	<b>96%</b>	<b>104%</b>	<b>107%</b>	<b>105%</b>

**Firefighters Retirement System Composite Picture**

**Total Membership**.....2,415  
**Active**.....1,498  
**Terminated vested** .....50  
**Retired** .....867

**2001 Active Members**      

**Average age** .....39.1  
**Average years of service**.....10.4  
**Average annual salary**.....\$44,895

**2001 Retirees**

**Number** .....52  
**Average age** .....52.6  
**Average years of service**.....23.9  
**Final average annual salary** ....\$48,985  
**Average annual benefit** .....\$27,940

**Average annual benefit**

—all retirees .....\$20,928

# Firefighters System Highlights

**System Highlights**

**Membership**

**T**he Firefighters Retirement System includes state and local government employees directly involved in fire fighting and whose duties are classified as hazardous.

**Service Retirement**

Age	Years of Service	Allowance Reduction
Any age	20	None
60	10	None
65	4	None

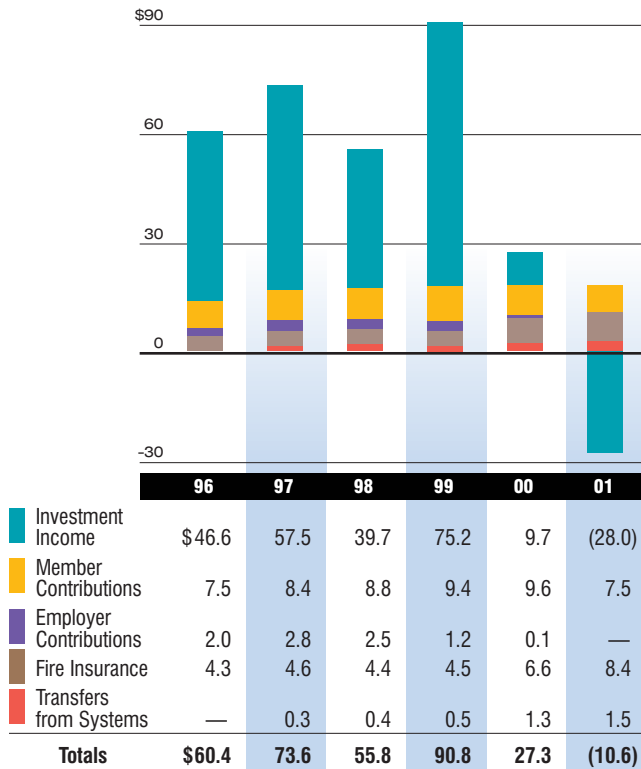
**Service Benefit Formula**

- 2.5% x FAS\* x years of service up to 20 years.
- 2.0% x FAS\* x years of service over 20 years.
- Monthly benefit = total of 1 and 2.\*\*

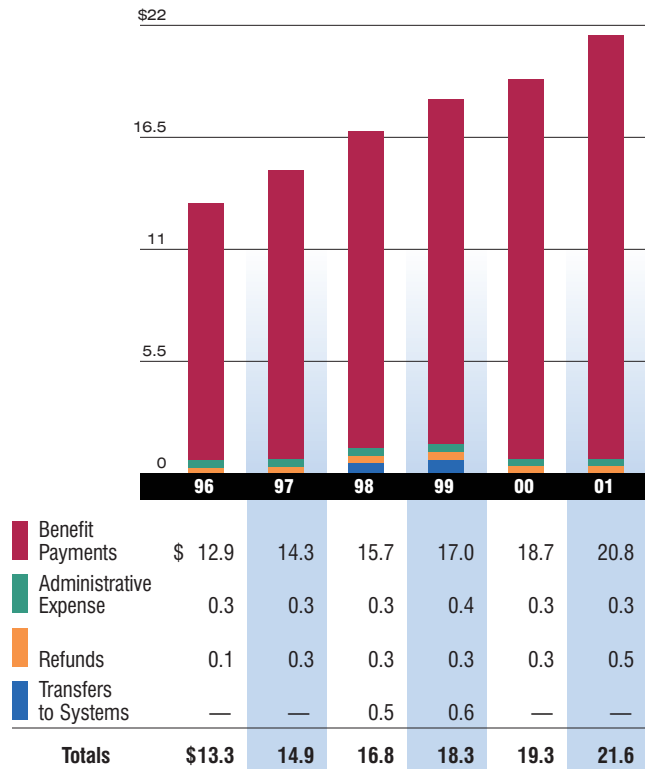
\* FAS (Final Average Salary) = highest three years' earnings converted to a monthly average. Yearly salary increases are limited to 10% plus a COLA determined by the CPI.

\*\* Benefits paid cannot exceed 70% of FAS.

**ADDITIONS BY SOURCE**  
(in millions)



**DEDUCTIONS BY TYPE**  
(in millions)



**Firefighters Retirement System**

**Cost of Living Allowance**

Up to 4% annually on original retirement benefit.

**Contribution Rates**

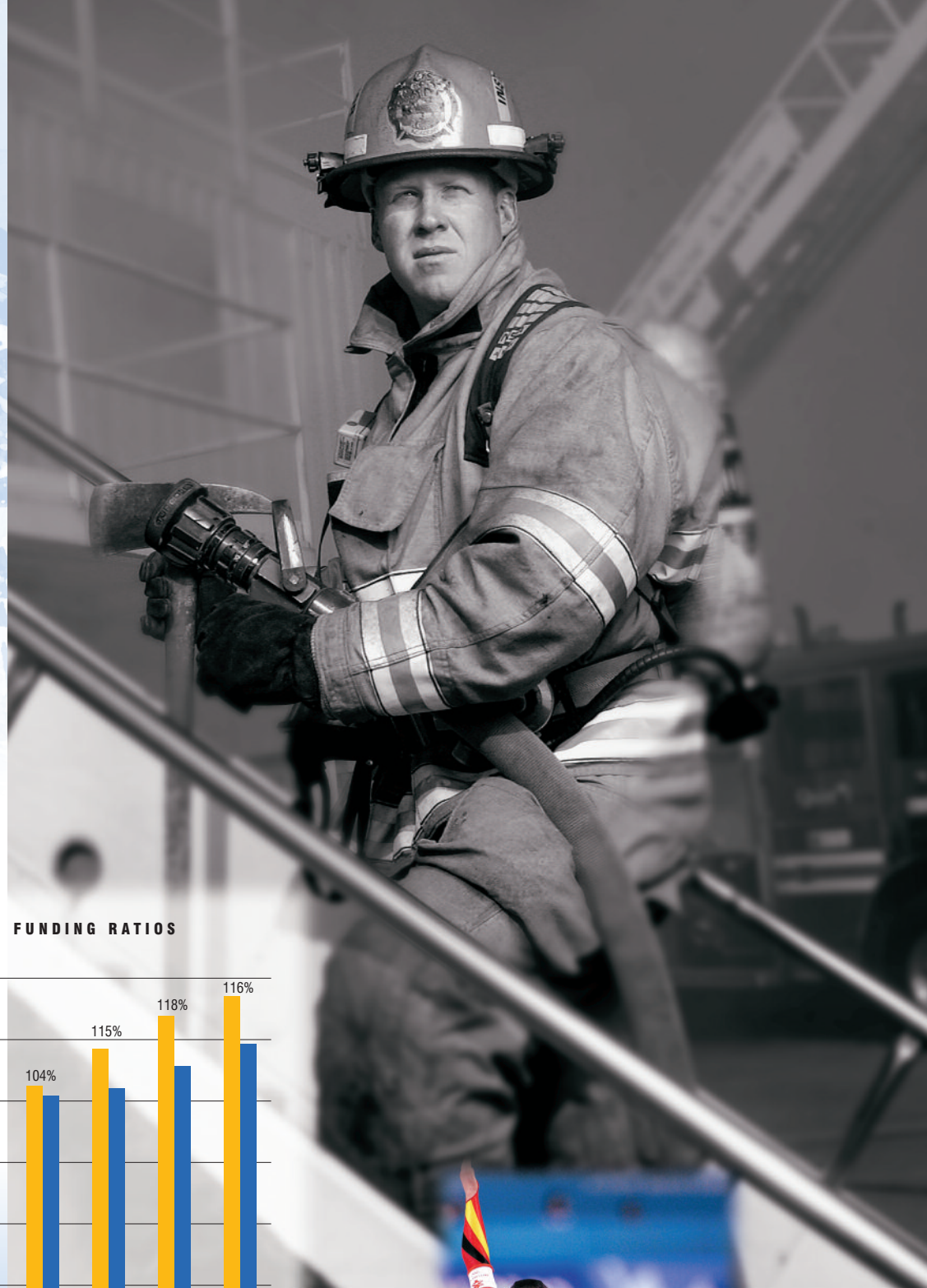
(as of 12-31-2001)

Member rate for Division A (with Social Security) is 6.77% of covered salary and 8.43% for Division B (without Social Security).

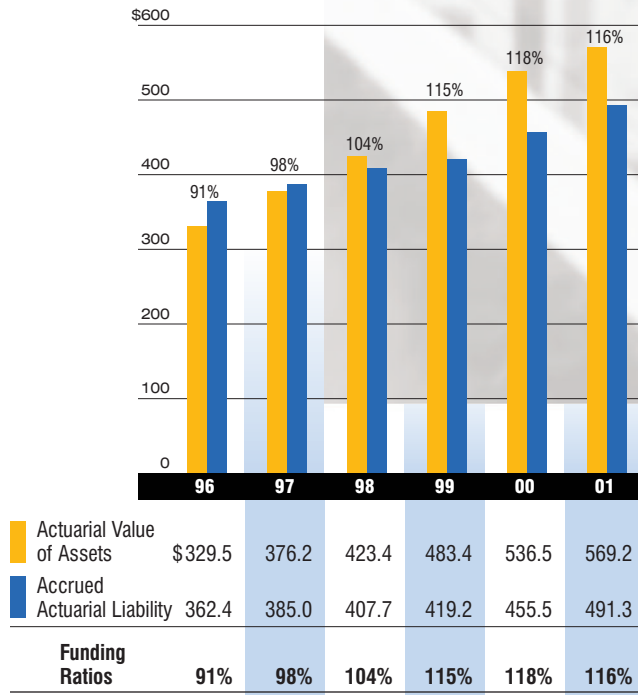
Employer rate for Division A is 0.00% of covered salary and 0.00% for Division B.

*For more detail see Summary of Plan Provisions on page 110.*

Pictured Right:  
Greg Reynolds  
Faculty Member, Utah  
Fire and Rescue Academy  
Salt Lake County Firefighter



**FUNDING PROGRESS WITH FUNDING RATIOS**  
(dollars in millions)



**Judges Retirement System Composite Picture**

**Total Membership**.....187  
**Active**.....105  
**Terminated vested** .....4  
**Retired**.....78

**2001 Active Members**      

**Average age** .....54.5  
**Average years of service**.....10.3  
**Average annual salary**.....\$104,298

**2001 Retirees**

**Number** .....4  
**Average age** .....64.2  
**Average years of service**.....21.2  
**Final average annual salary**....\$96,837  
**Average annual benefit** .....\$62,028

**Average annual benefit**  
**—all retirees** .....\$45,547

# Judges System Highlights

**System Highlights**

**Membership**

The Judges Retirement System includes justices and judges of the Supreme Court, appellate, district, and juvenile courts.

**Service Retirement**

Age	Years of Service	Allowance Reduction
Any age	25	None
55	20	Full actuarial reduction
62	10	None
70	6	None

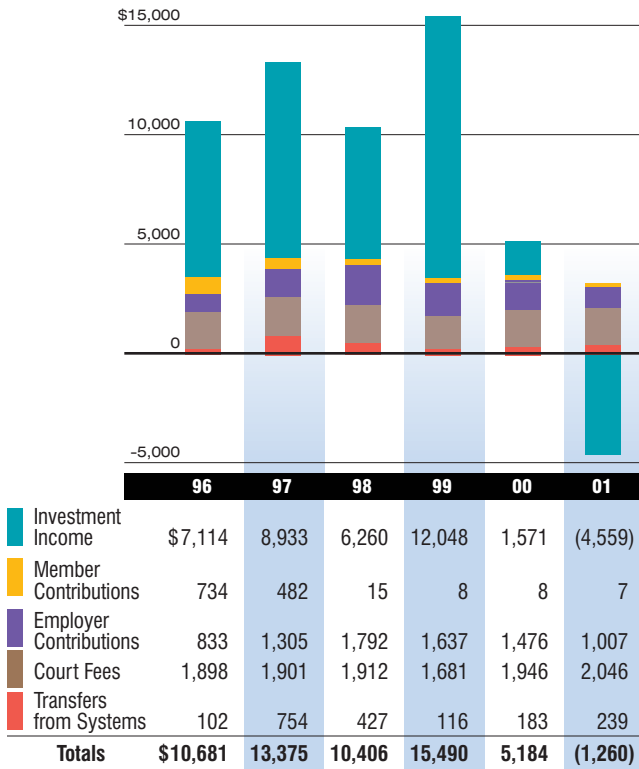
**Service Benefit Formula**

- 5.00% x FAS\* x years of service up to 10 years.
- 2.25% x FAS\* x years of service between 10 and 20 years.
- 1.00% x FAS\* x years of service over 20 years.
- Monthly benefit = total of 1, 2 and 3.\*\*

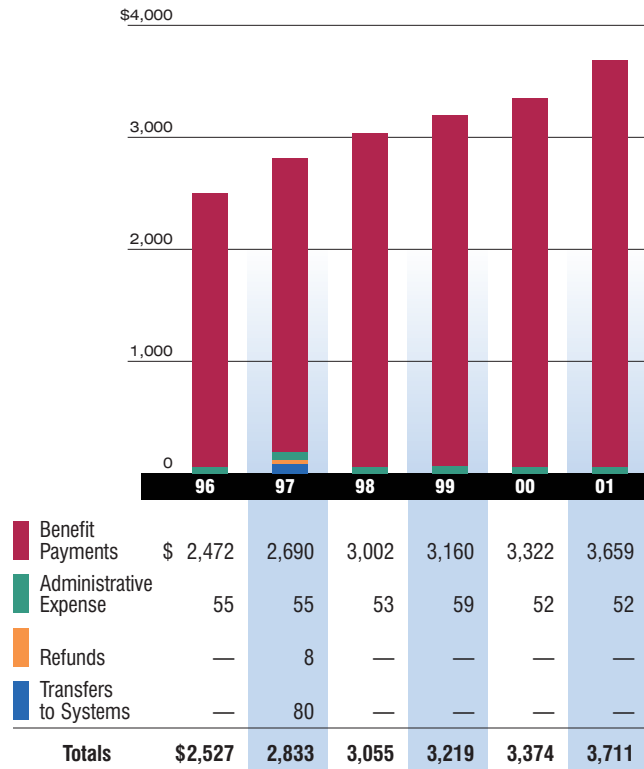
\* FAS (Final Average Salary) = highest two years' earnings converted to a monthly average. Yearly salary increases are limited to 10% plus a COLA determined by the CPI.

\*\* Benefits paid cannot exceed 75% of FAS.

**ADDITIONS BY SOURCE**  
(in thousands)



**DEDUCTIONS BY TYPE**  
(in thousands)



**Judges Retirement System**

**Cost of Living Allowance**

Up to 4% compounded annually.

**Contribution Rates**

(as of 12-31-2001)

**Contributory**

Member rate is 5.55% of covered salary.  
Employer rate is 0.00% of covered salary.

**Noncontributory**

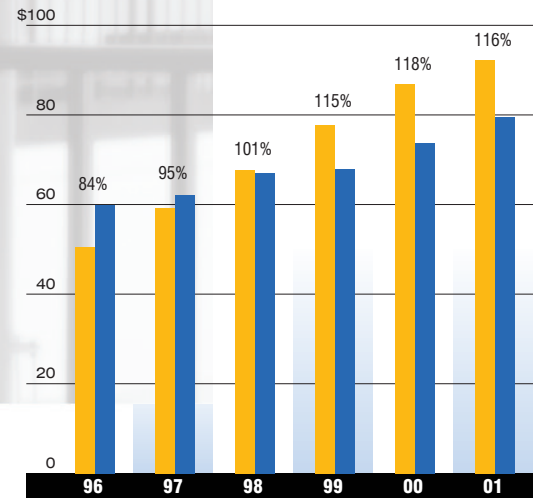
Employer rate is 5.55% of covered salary.

For more detail see Summary of Plan Provisions on page 112.

Pictured Left:  
Judge Sandra Peuler  
Third District Court  
Salt Lake City



**FUNDING PROGRESS WITH FUNDING RATIOS**  
(dollars in millions)



Actuarial Value of Assets	50.7	59.4	68.0	78.1	87.1	92.6
Accrued Actuarial Liability	60.1	62.4	67.2	68.1	74.0	79.9
<b>Funding Ratios</b>	<b>84%</b>	<b>95%</b>	<b>101%</b>	<b>115%</b>	<b>118%</b>	<b>116%</b>

**Governors and Legislative Pension Plan Composite Picture**

**Total Membership**.....410  
 Active.....92  
 Terminated vested .....89  
 Retired .....229

**2001 Active Members**      

Average age .....50.3  
 Average years of service.....5.4  
 Average annual salary.....\$6,422

**2001 Retirees**

Number .....10  
 Average age .....68.0  
 Average years of service.....7.7  
 Final average annual salary .....\$3,943  
 Average annual benefit .....\$2,155

**Average annual benefit**  
 —all retirees .....\$2,606

# Governors and Legislative Pension Plan Highlights

**Plan Highlights**

**Membership**

The Governors and Legislative Pension Plan includes only governors and legislators of the State of Utah.

**Service Retirement**

Age	Years of Service	Allowance Reduction
65	4	None
62	10	3% each year before age 65

**Service Benefit Formula**

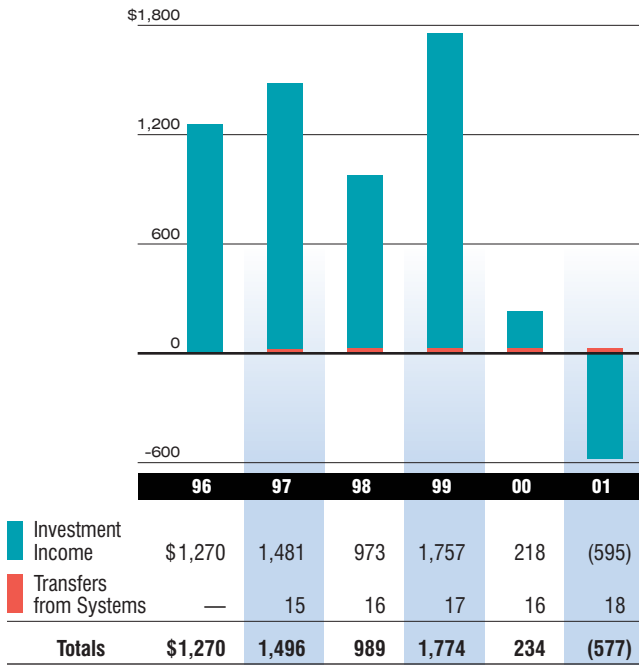
**Governors**

\$500\* per month per term.  
 \* Increased semi-annually up to 2% based on the CPI. The amount as of 12-31-01 is \$1,060 per term.

**Legislators**

\$10\*\* per month per each year of service as a legislator.  
 \*\* Increased semi-annually up to 2% based on the CPI. The amount as of 12-31-01 is \$23.60.

**ADDITIONS BY SOURCE**  
 (in thousands)



**DEDUCTIONS BY TYPE**  
 (in thousands)





**Governors  
& Legislators  
Pension Plan**

**Cost of Living Allowance**

Up to 4% annually on original retirement benefit.

**Contribution Rates**

(as of 12-31-2001)

There are currently no required contributions.

For more detail see Summary of Plan Provisions on page 112.

Pictured Right:  
Beverly Evans  
Utah State Senator  
District 26: Carbon, Daggett,  
Duchesne, Summitt, Uintah  
and Wasatch Counties



**FUNDING PROGRESS WITH FUNDING RATIOS**  
(dollars in millions)



# 401(k) & 457 Plan Highlights

**T**he purpose of the 401(k) and 457 Plans is to allow public employees throughout Utah to adequately prepare themselves for retirement by investing a portion of their pre-tax income in one or both of these supplemental retirement plans.

It has long been recognized that for employees to experience the comfortable and rewarding retirement they desire, they cannot rely entirely upon Social Security and their employer-provided retirement. Employees must take the initiative to personally put aside a portion of their salary into some type of long-term savings plan.

The Plans provide the following benefits:

- Convenient, automatic payroll deduction
- Eleven investment options
- Tax deferred savings
- Increase or decrease contributions as often as every pay period
- Change allocation of future contributions as often as every pay period
- Transfer funds daily between investment options
- Rollover 401(k) funds into any qualified plan or IRA upon termination or retirement
- Upon death, funds transfer to beneficiaries
- Immediate vesting
- No sales commissions
- Low investment and administrative fees

Each year the number of employees participating in these plans increases. Individuals may participate in more than one option. As of December 31, 2001 the number of participants by investment option are shown above:

## NUMBER OF PARTICIPANTS BY OPTION

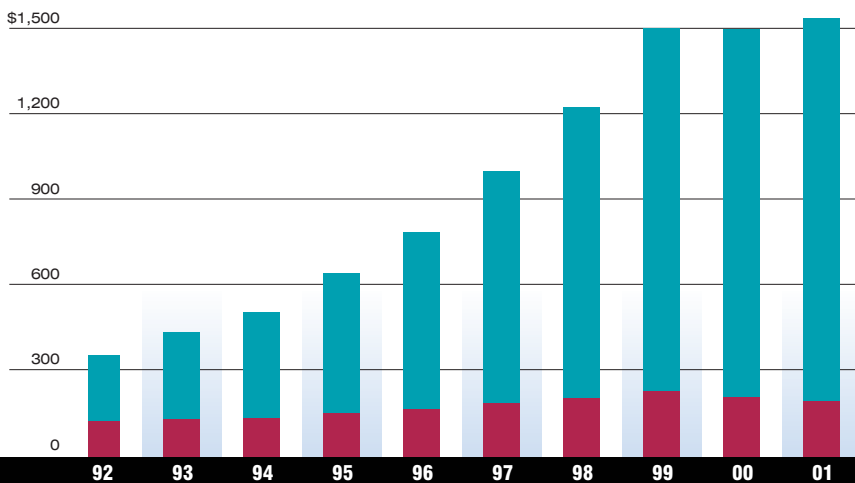
Income Fund.....	98,738
Bond Fund .....	11,470
Balanced Fund.....	58,837
Large Cap Stock Value Fund .....	3,541
Large Cap Stock Index Fund .....	71,651
Large Cap Stock Growth Fund.....	22,193
International Fund.....	44,890
Small Cap Stock Fund.....	17,105
Short Horizon Fund.....	7,295
Medium Horizon Fund .....	10,677
Long Horizon Fund .....	19,341
Loan Fund.....	4,846
Group Annuity Fund.....	19,459

Total 401(k) Plan participants .....	129,524
Total 457 Plan participants .....	9,436

Annualized rates of returns for the Investment Funds are shown on page 91.

## 401(k) AND 457 MEMBER BALANCES

(in millions)



	92	93	94	95	96	97	98	99	00	01
(in millions)										
401(k)	\$229	299	366	485	615	803	1,011	1,259	1,277	1,330
457	132	140	143	159	172	195	211	235	216	200
<b>Totals</b>	<b>\$361</b>	<b>439</b>	<b>509</b>	<b>644</b>	<b>787</b>	<b>998</b>	<b>1,222</b>	<b>1,494</b>	<b>1,493</b>	<b>1,530</b>

# Financial *Section*

**27** Independent  
Auditors' Report

**28** Management's  
Discussion  
and Analysis

**38** Basic Financial  
Statements

**52** Required  
Supplementary  
Information

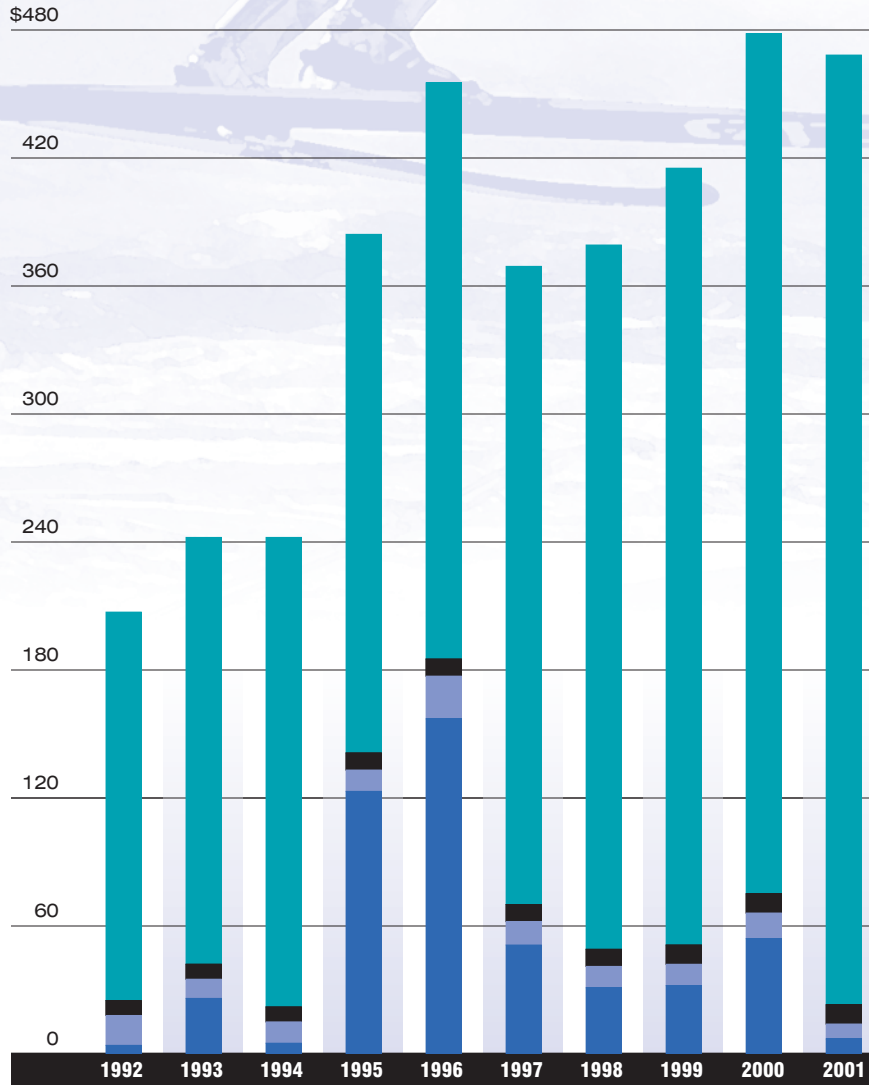
**56** Individual  
Retirement  
Systems'  
Schedules  
by Division

**76** 401(k) and  
457 Plans'  
Schedules by  
Investment Fund

**80** Schedules of  
Administrative  
and Investment  
Expenses

## All Retirement Systems Deductions by Type

(in millions)



(in millions)

Benefits	\$182	200	220	243	270	299	330	364	403	445
Administrative Expense	7	7	7	8	8	8	8	9	9	9
Refunds	14	9	10	10	10	11	10	10	12	7
Transfers to Systems	5	27	6	124	158	52	31	33	55	8
<b>Totals</b>	<b>\$208</b>	<b>243</b>	<b>243</b>	<b>385</b>	<b>446</b>	<b>370</b>	<b>379</b>	<b>416</b>	<b>479</b>	<b>469</b>

# Independent Auditors' Report

Deloitte & Touche LLP  
Suite 1800  
50 South Main Street  
Salt Lake City, Utah 84144-0158

Tel: (801) 328 4706  
Fax: (801) 355 7515  
www.us.deloitte.com



## INDEPENDENT AUDITORS' REPORT

Utah State Retirement Board:

We have audited the accompanying basic financial statements of Utah Retirement Systems, a component unit of the State of Utah, administered by the Utah State Retirement Board as of December 31, 2001, and for the year then ended, listed in the foregoing table of contents. These financial statements are the responsibility of the management of Utah Retirement Systems. Our responsibility is to express an opinion on these basic financial statements based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatements. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, such basic financial statements present fairly, in all material respects, the plan net assets of the pension trust funds of Utah Retirement Systems administered by the Utah State Retirement Board as of December 31, 2001, and the changes in plan net assets of the pension trust funds for the year then ended in conformity with accounting principles generally accepted in the United States of America.

As described in Note 2 to the basic financial statements, in fiscal year 2001, Utah Retirement Systems adopted Governmental Accounting Standards Board ("GASB") No. 34, *Basic Financial Statements—and Management's Discussion and Analysis—for State and Local Governments*, GASB Statement No. 37, *Basic Financial Statements—and Management's Discussion and Analysis—for State and Local Governments: Omnibus*, and GASB Statement No. 38, *Certain Financial Statement Note Disclosures*.

Management's Discussion and Analysis and the Schedules of Funding Progress and of Employer Contributions are not required parts of the basic financial statements, but are supplementary information required by GASB. We have applied certain limited procedures, which consisted principally of inquiries of management regarding the methods of measurement and presentation of the supplementary information. However, we did not audit the information and express no opinion on it.

Our audit was conducted for the purpose of forming an opinion on the basic financial statements taken as a whole. The supplemental financial supporting schedules listed in the foregoing table of contents are presented for the purpose of additional analysis and are not a required part of the basic financial statements of Utah Retirement Systems. The supplemental supporting schedules are also the responsibility of the management of Utah Retirement Systems. Such additional information has been subjected to the auditing procedures applied in our audit of the basic financial statements and, in our opinion, is fairly stated in all material respects when considered in relation to the basic financial statements taken as a whole.

The Introductory Section, Investment Section, Actuarial Section, and Statistical Section listed in the foregoing table of contents are presented for the purpose of additional analysis and are not a required part of the basic financial statements of Utah Retirement Systems. Such additional information has not been subjected to the auditing procedures applied in our audit of the basic financial statement and, accordingly, we express no opinion on it.

In accordance with *Government Auditing Standards*, we have also issued our report dated February 28, 2002, on our consideration of Utah Retirement Systems' internal control over financial reporting and our tests of their compliance with certain provisions of laws and regulation. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* and should be read in conjunction with this report in considering the results of our audit.

*Deloitte & Touche LLP*

February 28, 2002

Deloitte  
Touche  
Tohmatsu

# Management Discussion and Analysis

**T**his section presents management's discussion and analysis of the Utah Retirement Systems' (URS) financial position and performance for the year ended December 31, 2001. It is presented as a narrative overview and analysis. Please read it in conjunction with the Letter of Transmittal included in the Introductory Section, the financial statements and other information which are presented in the Financial Section of this Component Unit Financial Report.

URS is responsible for administering retirement and defined contribution benefits for State, local government and public education employees in the State of Utah. URS is comprised of six defined benefit pension systems (Systems) and two defined contribution plans (Plans). The six defined benefit pension systems are the Public Employees Contributory Retirement System (Contributory System), the Public Employees Noncontributory Retirement System (Noncontributory System), the Public Safety Retirement System (Public Safety System), the Firefighters Retirement System (Firefighters System), the Judges Retirement System (Judges System) and the Governors and Legislative Pension Plan (Governors and Legislative Plan). The two defined contribution plans (Plans) are the 401(k) and 457 Plans. All of these Systems and Plans are defined as pension (and other employee benefit) trust funds, which are fiduciary funds. Throughout this discussion and analysis units of measure (i.e. billions, millions, thousands) are approximate, being rounded up or down to the nearest tenth of the respective unit value.

## Financial Highlights

■ The URS Defined Benefit Pension Systems combined total net assets decreased by \$725.1 million, or 5.4 percent during calendar year 2001. The decrease was primarily due to a downturn in equity markets and increasing benefit payments.

■ The URS Defined Benefit Pension Systems rate of return on investments during calendar year 2001 was negative 5.0 percent compared with calendar year 2000 rate of return of positive 1.9 percent. The decrease in rate of return was due primarily to a downturn in equity markets.

■ The URS Defined Benefit Pension Systems were actuarially funded at an average of 104.7 percent as of January 1, 2001, an increase over the comparative average of 102.9 percent as of January 1, 2000.

■ The Defined Contribution Plans net assets increased \$37.2 million during calendar year 2001 primarily because of increased contributions from participants. The total increases were significantly offset by investment losses due to a downturn in equity markets and participant withdrawals.

■ The Defined Contribution Plans rates of return for investment options ranged from a high of 12.8 percent to a low of negative 21.2 percent compared to prior year investment option returns of a high of 10.4 and a low of negative 22.2 percent.

## Management Discussion and Analysis *(Continued)*

### Overview of the Financial Statements

**T**his discussion and analysis is intended to serve as an introduction to the URS financial reporting which is comprised of the following components:

- (1) basic financial statements,
- (2) notes to the basic financial statements,
- (3) required supplementary information,
- and (4) other supplementary schedules.

Collectively, this information presents the combined net assets held in trust for pension benefits for each of the funds administered by URS as of December 31, 2001. This financial information also summarizes the combined changes in net assets held in trust for pension benefits for the year then ended. The information in each of these components is briefly summarized as follows:

- (1) Basic Financial Statements. For the calendar year ended December 31, 2001, basic financial statements are presented for the fiduciary funds administered by URS. Fiduciary funds are used to account for resources held for the benefit of parties outside of URS. The fiduciary fund is comprised of eight pension (and other employee benefit) trust funds which consist of six defined benefit systems and two defined contribution plans.
  - The Statements of Fiduciary Net Assets are presented for the pension trust funds at December 31, 2001 with combined total comparative information at December 31, 2000. These financial statements reflect the resources available to pay benefits to members, including retirees and beneficiaries, at the end of the years reported.
  - The Statements of Changes in Fiduciary Net Assets are presented for the pension trust funds for the year ended December 31, 2001 with combined total comparative information for the year ended December 31, 2000. These financial statements reflect the changes in the resources available to pay benefits to members, including retirees and beneficiaries, for calendar year 2001 and 2000.
- (2) Notes to the Basic Financial Statements. The Notes to the Basic Financial Statements provide additional information that is essential to a full understanding of the data provided in the basic financial state-

ments. Information in the Notes to the Basic Financial Statements is described below.

- Note 1 provides a general description of URS as well as a description of each of the Systems and Plans administered by URS and a summary of benefits. Information regarding employer and member participation in the Systems and Plans administered by URS is also provided.
  - Note 2 provides a summary of significant accounting policies, including the basis of accounting, investment accounting policies, management's use of estimates, information regarding the implementation of new accounting pronouncements, and other significant accounting policies.
  - Note 3 describes investments, investing authority, investment risk categorizations, and additional information about cash, securities lending, and derivatives.
  - Note 4 explains property and equipment of URS including depreciation and net holding amounts.
  - Note 5 provides information about the funding status and progress for the defined benefit systems administered by URS
  - Note 6 provides information about contributions to the defined benefit systems administered by URS.
  - Note 7 explains transfers to or from affiliated systems.
  - Note 8 describes supplemental benefits.
  - Note 9 provides information about litigation.
  - Note 10 describes commitments for investment funding.
  - Note 11 provides information about post employment benefit and insurance reserves.
  - Note 12 describes required supplementary information.
  - Note 13 provides information about risk management of URS.
- (3) Required Supplementary Information. The required supplementary information consists of two schedules and related notes concerning actuarial information, funded status and required contributions of the defined benefit pension systems administered by URS.

## Management Discussion and Analysis *(Continued)*

- (4) Other Supplementary Schedules. Other schedules include more detailed information pertaining to the Systems and Plans as well as schedules of administrative expenses.

### Financial Analysis of the Systems— Defined Benefit Plans

#### Investments

*Investments of the URS Defined Benefit Systems are combined in a commingled investment pool as authorized by state statute. Each system owns an equity position in the pool and receives proportionate investment income from the pool in accordance with respective ownership percentage.*

Each system's allocated share of each type of investment in the pool is shown in the Statement of Net Assets of each respective system. Investment gains or losses are reported in the Statement of Changes in Net Assets of each retirement system. The rate of return on investments is therefore approximately the same for each of the systems.

#### Systems Total Investments

At December 31, 2001, URS Defined Benefit Systems held total investments of \$12.9 billion, a decrease of \$582.7 million from calendar year 2000 investment totals. The combined investment portfolio experienced a return of negative 5.0 percent compared with the URS investment benchmark return of a negative 4.1 percent. Investment results over time compared with URS benchmarks are presented on page 85 in the Investment Section.

#### Equities

At December 31, 2001, URS Defined Benefit Systems held \$7.1 billion in U.S. and international equity securities, a decrease of \$240.0 million from year 2000. U.S. equity and international equity securities had negative returns of 5.7 percent and 15.7 percent respectively, for the 2001 calendar year, compared to URS benchmark returns of negative 6.6 percent and negative 19.6 percent respectively.

#### Debt Securities

At December 31, 2001, URS Defined Benefit Systems held \$3.5 billion in U.S. debt and international debt securities, an increase of \$78.9 million from year 2000. U.S. debt securities returned 6.4 percent while international debt securities lost 1.6 percent in calendar year 2001 compared with URS benchmark returns of 8.4 percent and negative 0.5 percent respectively.

#### Real Estate

At December 31, 2001, URS Defined Benefit Systems held \$1.1 billion in real estate investments, a decrease of \$57.0 million from year 2000. Real estate investments returned 8.0 percent in calendar year 2001 which exceeded the URS benchmark return of a negative 1.5 percent.

#### Alternative Investments

At December 31, 2001, URS Defined Benefit Systems held \$677.6 million in alternative investments, a decrease of \$372.3 million from year 2000. Alternative investments returned a negative 30.4 percent in calendar year 2001. Alternative investments do not have a benchmark but have an annualized long term target assumption of 15 percent.

#### Short Term

At December 31, 2001, URS Defined Benefit Systems held \$603.1 million in short-term investments, an increase of \$7.8 million from year 2000. Short-term investments returned 7.3 percent in calendar year 2001, which compared to the URS benchmark return of 4.4 percent.

#### Security Lending

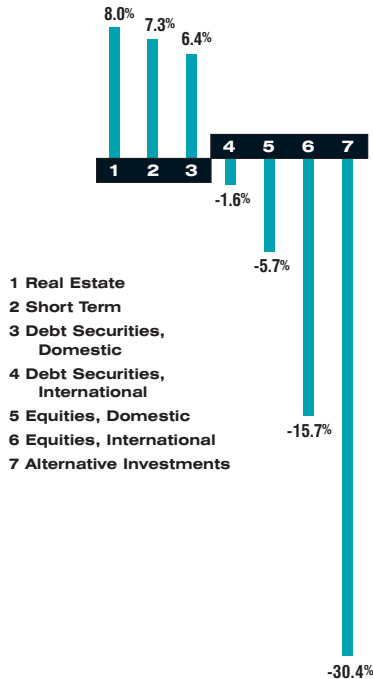
The Systems earn additional investment income by lending investment securities to brokers. This is done on a pooled basis by URS's custodial bank, The Northern Trust Company (TNT). The brokers provide collateral to TNT and generally use the borrowed securities to cover short sales and failed trades. TNT invests the cash collateral received from the brokers in order to earn interest. At December 31, 2001, the Systems had \$1.5 billion on loan secured by collateral of \$1.6 billion. For calendar year 2001, net securities lending income to the Systems amounted to \$5.1 million, an increase of \$0.6 million over calendar year 2000. The increase in security lending revenue for year 2001 represents mainly an increase in demand by brokers to borrow available securities.

Since investment losses in all of the retirement systems were about 5 percent of net assets, further investment performance will not be evaluated in each respective system.



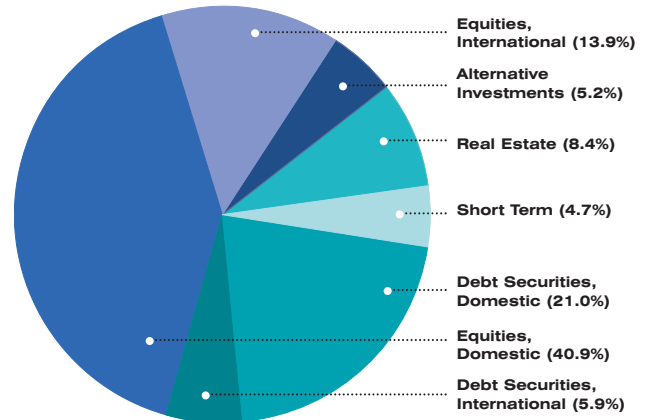
## Management Discussion and Analysis *(Continued)*

### DEFINED BENEFIT SYSTEMS INVESTMENT RATES OF RETURN BY INVESTMENT TYPE FOR 2001



### DEFINED BENEFIT SYSTEMS ASSET ALLOCATION AT FAIR VALUE

December 31, 2001



### Analysis of Individual Systems:

#### Contributory System

The Contributory System provides retirement benefits to covered State of Utah, local government and public education employees. Benefits of the system are funded by member and employer contributions and by earnings on investments.

The system net assets held in trust for benefits at December 31, 2001 amounted to \$844.0 million, a decrease of \$102.4 million (10.8 percent) from \$946.4 million at December 31, 2000.

Additions to the Contributory System net assets held in trust for benefits include employer and member contributions and investment income. For the 2001 calendar year, member and employer contributions decreased from those of 2000 calendar year from \$18.9 million to \$17.1 million or a decrease of \$1.8 million (9.8 percent). Contributions declined because contribution rates decreased and the number of currently employed members for whom contributions are paid decreased. For the most part the Contributory System

is a closed system. For this reason both the numbers of active members and retired individuals are declining. The system recognized a net investment loss of \$47.8 million for the 2001 calendar year compared with net investment income of \$17.5 million for the 2000 calendar year. The decrease in investment income was mainly due to a downturn in equity markets during 2001.

Deductions from the Contributory System net assets held in trust for benefits include mainly retirement and beneficiary benefits, administrative expenses, and transfers to other systems. For the 2001 calendar year, benefits amounted to \$62.7 million, a decrease of \$2.7 million (4.1 percent) from 2000 calendar year. The decrease in benefit payments was due to a decreased number of benefit recipients. For the 2001 calendar year, the costs of administering the system's benefits amounted to \$654 thousand, a decrease of \$26 thousand (3.8 percent) from calendar year 2000.

An actuarial valuation of the Contributory System assets and benefit obligations is performed annually. At the date of the most recent actuarial valuation, January 1, 2001, the funded status of the system increased to 98.8 percent from 98.2 percent at January 1, 2000. The amount by which the Contributory System actuarial assets were under actuarial benefit liabilities was

## Management Discussion and Analysis (Continued)

### NET ASSETS — DEFINED BENEFIT PLANS

December 31

(dollars in thousands)

	Contributory System		Noncontributory System		Public Safety System	
	2001	2000	2001	2000	2001	2000
<b>Assets:</b>						
Cash and receivables	\$ 11,242	34,570	143,421	389,645	17,108	48,114
Investments at fair value	865,614	959,125	10,149,927	10,544,444	1,260,669	1,312,660
Invested securities lending collateral	105,414	101,811	1,234,060	1,120,346	153,526	139,338
Property and equipment	370	411	4,340	4,519	539	562
<b>Total assets</b>	<b>982,640</b>	<b>1,095,917</b>	<b>11,531,748</b>	<b>12,068,954</b>	<b>1,431,842</b>	<b>1,500,674</b>
<b>Liabilities:</b>						
Securities lending liability	105,414	101,811	1,236,060	1,120,346	153,526	139,338
Investment accounts and other payables	33,244	47,686	389,886	524,863	48,413	65,258
<b>Total liabilities</b>	<b>138,658</b>	<b>149,497</b>	<b>1,625,946</b>	<b>1,645,209</b>	<b>201,939</b>	<b>204,596</b>
<b>Total net assets</b>	<b>\$ 843,982</b>	<b>946,420</b>	<b>9,905,802</b>	<b>10,423,745</b>	<b>1,229,903</b>	<b>1,296,078</b>

### CHANGES IN NET ASSETS — DEFINED BENEFIT PLANS

Year Ended December 31

(dollars in thousands)

	Contributory System		Noncontributory System		Public Safety System	
	2001	2000	2001	2000	2001	2000
<b>Additions:</b>						
Contributions	\$ 17,084	18,948	342,920	363,857	50,089	53,485
Investment income (loss)	(47,761)	17,543	(544,848)	186,787	(67,688)	23,226
Transfers from affiliated systems	—	—	5,255	51,020	1,416	2,027
<b>Total additions</b>	<b>(30,677)</b>	<b>36,491</b>	<b>(196,673)</b>	<b>601,664</b>	<b>(16,183)</b>	<b>78,738</b>
<b>Deductions:</b>						
Pension benefits	59,575	60,317	311,311	276,878	48,607	42,769
Refunds	3,087	5,040	3,264	5,292	542	971
Administrative expenses	654	680	6,695	6,850	843	840
Transfers to affiliated systems	8,445	54,549	—	—	—	—
<b>Total deductions</b>	<b>71,761</b>	<b>120,586</b>	<b>321,270</b>	<b>289,020</b>	<b>49,992</b>	<b>44,580</b>
<b>Increase (decrease) in net assets</b>	<b>\$(102,438)</b>	<b>(84,095)</b>	<b>(517,943)</b>	<b>312,644</b>	<b>(66,175)</b>	<b>34,158</b>

\$11.2 million at January 1, 2001, compared with \$16.3 million at January 1, 2000. The increase in funded status as of the last actuarial valuation is a result of the previous 5-year investment performance.

#### Noncontributory System

The Noncontributory System provides retirement benefits to covered State of Utah, local government and public education employees. Benefits of the system are funded by employer contributions and by earnings on investments. The system net assets held in trust for

benefits at December 31, 2001 amounted to \$9.9 billion, a decrease of \$517.9 million (5.0 percent) from \$10.4 billion at December 31, 2000.

Additions to the Noncontributory System net assets held in trust for benefits include employer contributions, investment income and inter system transfers. For the 2001 calendar year, member and employer contributions decreased from those of 2000 calendar year from \$363.9 million to \$342.9 million or a decrease of \$20.9 million (5.8 percent). Contributions decreased because contribution rates decreased. The system

## Management Discussion and Analysis (Continued)

Firefighters System		Judges System		Governors and Legislative Pension Plan		Total Defined Benefit Pension Plans		Total Percent Change
2001	2000	2001	2000	2001	2000	2001	2000	
8,295	19,569	1,190	4,030	130	417	179,386	496,345	(63.9)%
520,019	548,281	84,790	88,041	10,725	11,893	12,891,744	13,474,444	(4.3)
63,328	58,200	10,326	9,345	1,306	1,262	1,569,960	1,430,302	9.8
222	234	36	38	5	5	5,512	5,769	(4.5)
591,864	626,284	96,342	101,454	12,166	13,577	14,646,602	15,406,860	(4.9)
63,328	58,200	10,326	9,345	1,306	1,262	1,569,960	1,430,302	9.8
19,971	27,262	3,256	4,378	412	591	495,182	670,038	(26.1)
83,299	85,462	13,582	13,723	1,718	1,853	2,065,142	2,100,340	(1.7)
508,565	540,822	82,760	87,731	10,448	11,724	12,581,460	13,306,520	(5.4)%

Firefighters System		Judges System		Governors and Legislative Pension Plan		Total Defined Benefit Pension Plans		Total Percent Change
2001	2000	2001	2000	2001	2000	2001	2000	
15,903	16,372	3,060	3,430	—	—	429,056	456,092	(5.9)%
(28,038)	9,733	(4,599)	1,571	(595)	218	(693,489)	239,078	(390.1)
1,517	1,303	239	183	18	16	8,445	54,549	(84.5)
(10,618)	27,408	(1,260)	5,184	(577)	234	(255,988)	749,719	(134.1)
20,778	18,738	3,659	3,322	691	662	444,621	402,686	10.4
543	312	—	—	2	1	7,438	11,616	(36.0)
318	319	52	52	6	6	8,568	8,747	(2.0)
—	—	—	—	—	—	8,445	54,549	(84.5)
21,639	19,369	3,711	3,374	699	669	469,072	477,598	(1.8)
(32,357)	8,039	(4,971)	1,810	(1,276)	(435)	(725,060)	272,121	(366.4)%

recognized a net investment loss of \$544.8 million for the 2001 calendar year compared with net investment income of \$186.8 million for the 2000 calendar year. The decrease in investment income was mainly due to a downturn in equity markets during 2001.

Deductions from the Noncontributory System net assets held in trust for benefits include mainly retirement and beneficiary benefits, and administrative expenses. For the 2001 calendar year, benefits amounted to \$314.6 million, an increase of \$32.4 million (11.5 percent) over 2000 calendar year. The

increase in benefit payments was due to an increased number of benefit recipients and benefit increases. For the 2001 calendar year the costs of administering the system's benefits amount to \$6.7 million, a decrease of \$155 thousand (2.3 percent) from calendar year 2000.

An actuarial valuation of the Noncontributory System assets and benefit obligations is performed annually. At the date of the most recent actuarial valuation, January 1, 2001, the funded status of the system increased to 104.3 percent from 102.6 percent at January 1, 2000. The amount by which the Non-

## Management Discussion and Analysis *(Continued)*

contributory System actuarial assets were over actuarial benefit liabilities was \$427.8 million at January 1, 2001, compared with \$231.1 million at January 1, 2000. The increase in funded status as of the last actuarial valuation is a result of the previous 5-year investment performance.

### Public Safety System

The Public Safety System provides retirement benefits to State of Utah, local government and higher education public safety personnel covered under the Public Safety System. Benefits of the system are funded by member and employer contributions and by earnings on investments. The system net assets held in trust for benefits at December 31, 2001 amounted to \$1.2 billion, a decrease of \$66.2 million (5.1 percent) from \$1.3 billion at December 31, 2000.

Additions to the Public Safety System net assets held in trust for benefits include employer contributions, investment income and inter system transfers. For the 2001 calendar year, member and employer contributions decreased from those of 2000 calendar year from \$53.5 million to \$50.1 million or a decrease of \$3.4 million (6.3 percent). Contributions decreased because contribution rates decreased. The system recognized a net investment loss of \$67.7 million for the 2001 calendar year compared with net investment income of \$23.2 million for the 2000 calendar year. The decrease in investment income was mainly due to a downturn in equity markets during 2001.

Deductions from the Public Safety System net assets held in trust for benefits include mainly retirement and beneficiary benefits, and administrative expenses. For the 2001 calendar year, benefits amounted to \$49.1 million, an increase of \$5.4 million (12.4 percent) over 2000 calendar year. The increase in benefit payments was due to an increased number of benefit recipients and benefit increases. For the 2001 calendar year, the costs of administering the system's benefits amounted to \$843 thousand, an increase of \$3 thousand (0.4 percent) from calendar year 2000.

An actuarial valuation of the Public Safety System assets and benefit obligations is performed annually. At the date of the most recent actuarial valuation, January 1, 2001, the funded status of the system increased to 106.6 percent from 103.7 percent at January 1, 2000. The amount by which the Public Safety System actuarial assets were over actuarial benefit liabilities was \$80.1 million at January 1, 2001, compared with \$41.2 million at January 1, 2000. The increase in funded status as of the last actuarial valuation is a result of the previous 5-year investment performance.

### Firefighters System

The Firefighters System provides retirement benefits to covered firefighters of the State of Utah and local governments. Benefits of the system are funded by member and employer contributions, and by earnings on investments. The system net assets held in trust for benefits at December 31, 2001 amounted to \$508.6 million, a decrease of \$32.3 million (6.0 percent) from \$540.8 million at December 31, 2000.

Additions to the Firefighters System net assets held in trust for benefits consist of employer contributions, including insurance premium taxes, investment income and inter system transfers. For the 2001 calendar year, member and employer contributions decreased from those of 2000 calendar year from \$16.4 million to \$15.9 million or a decrease of \$469 thousand (2.9 percent). Contributions decreased because contribution rates decreased. The system recognized a net investment loss of \$28.0 million for the 2001 calendar year compared with net investment income of \$9.7 million for the 2000 calendar year. The decrease in investment income was mainly due to a downturn in equity markets during 2001.

Deductions from the Firefighters System net assets held in trust for benefits include mainly retirement and beneficiary benefits, and administrative expenses. For the 2001 calendar year, benefits amounted to \$21.3 million, an increase of \$2.3 million (11.9 percent) over 2000 calendar year. The increase in benefit payments was due to an increased number of benefit recipients and benefit increases. For the 2001 calendar year, the costs of administering the system's benefits amounted to \$318 thousand, a decrease of \$1.0 thousand (0.3 percent) from calendar year 2000.

An actuarial valuation of the Firefighters System assets and benefit obligations is performed annually. At the date of the most recent actuarial valuation, January 1, 2001, the funded status of the system increased to 117.8 percent from 115.3 percent at January 1, 2000. The amount by which the Firefighters System actuarial assets were over actuarial benefit liabilities was \$81.0 million at January 1, 2001, compared with \$64.2 million at January 1, 2000. The increase in funded status as of the last actuarial valuation is a result of the previous 5-year investment performance.

### Judges System

The Judges System provides retirement benefits to judges in the State of Utah who are eligible to participate in the system. Benefits of the system are funded by employer contributions and by earnings on investments. The system net assets held in trust for benefits at

## Management Discussion and Analysis *(Continued)*

December 31, 2001 amounted to \$82.8 million, a decrease of \$5.0 million (5.7 percent) from \$87.7 million at December 31, 2000.

Additions to the Judges System net assets held in trust for benefits consist of employer contributions including court fees, investment income and inter system transfers. For the 2001 calendar year, member and employer contributions decreased from those of 2000 calendar year from \$3.4 million to \$3.1 million or a decrease of \$370 thousand (10.8 percent). Contributions decreased because contribution rates decreased. The system recognized a net investment loss of \$4.6 million for the 2001 calendar year compared with net investment income of \$1.6 million for the 2000 calendar year. The decrease in investment income was mainly due to a downturn in equity markets during 2001.

Deductions from the Judges System net assets held in trust for benefits include mainly retirement and beneficiary benefits, and administrative expenses. For the 2001 calendar year, benefits amounted to \$3.7 million, an increase of \$337 thousand (10.1 percent) over 2000 calendar year. The increase in benefit payments was due to an increased number of benefit recipients and benefit increases. For the 2001 calendar year, the costs of administering the system's benefits amounted to \$52 thousand, which was the same as calendar year 2000.

An actuarial valuation of the Judges System assets and benefit obligations is performed annually. At the date of the most recent actuarial valuation, January 1, 2001, the funded status of the system increased to 117.8 percent from 114.7 percent at January 1, 2000. The amount by which the Judges System actuarial assets were over actuarial benefit liabilities was \$13.2 million at January 1, 2001, compared with \$10.0 million at January 1, 2000. The increase in funded status as of the last actuarial valuation is a result of the previous 5-year investment performance.

### **Governors and Legislative Plan**

The Governors and Legislative Plan provides retirement benefits to governors and legislators of the State of Utah. Benefits of the system are funded by employer contributions and by earnings on investments. The system net assets held in trust for benefits at December 31, 2001 amounted to \$10.4 million, a decrease of \$1.3 million (10.9 percent) from \$11.7 million at December 31, 2000.

Additions to the Governors and Legislative Plan net assets held in trust for benefits include investment income and inter system transfers. No employer contributions were needed for this plan because of the current over funded status. The system recognized a net investment loss of \$595 thousand for the 2001 calendar year

compared with net investment income of \$218 thousand for the 2000 calendar year. The decrease in investment income was mainly due to a downturn in equity markets during 2001.

Deductions from the Governors and Legislative Plan net assets held in trust for benefits include mainly retirement and beneficiary benefits, and administrative expenses. For the 2001 calendar year, retirement benefits amounted to \$693 thousand, an increase of \$30 thousand (4.5 percent) from 2000 calendar year. The increase in benefit payments was due to an increased number of benefit recipients and benefit increases. For the 2001 calendar year, the costs of administering the system's benefits amounted to \$6 thousand or the same as that of the preceding year.

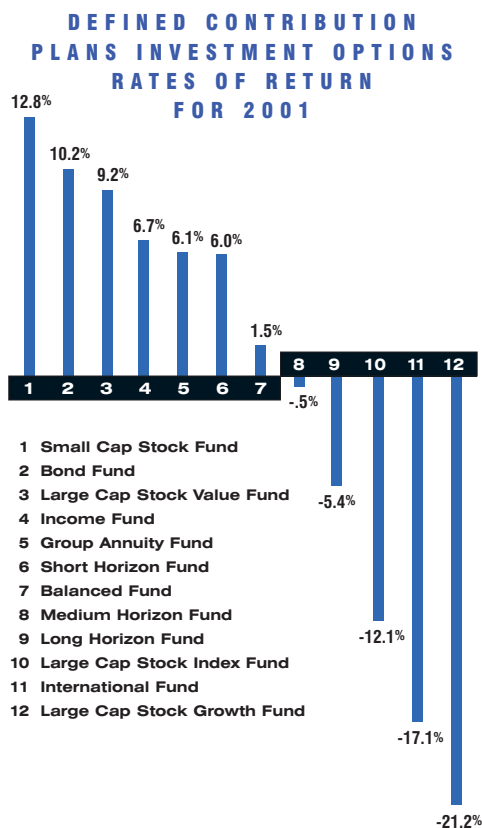
An actuarial valuation of the Governors and Legislative Plan assets and benefit obligations is performed annually. At the date of the most recent actuarial valuation, January 1, 2001, the funded status of the system increased to 146.3 percent from 132.6 percent at January 1, 2000. The amount by which the Governors and Legislative Plan actuarial assets were over actuarial benefit liabilities was \$3.7 million at January 1, 2001, compared with \$2.7 million at January 1, 2000. The increase in funded status as of the last actuarial valuation is a result of the previous 5-year investment performance.

### **Actuarial Valuations and Funding Progress**

**A**n actuarial valuation of each URS defined benefit plan is performed annually. At the date of the most recent actuarial valuation, January 1, 2001, the funded status of each of the systems is shown in the Schedules of Funding Progress on pages 52 and 53.

Funding ratios range from a high 146.3 percent to a low of 98.8 percent. This table shows the January 1, 2001 funding ratios compared with the ratios at January 1, 2000. The table also shows the amount by which actuarial assets exceeded or fell short of actuarial benefit liabilities. The funding ratio improvement is a result of the overall positive investment performance of prior years. The full impact of investment market downturn during 2000 and 2001 is not yet reflected in the funding status. At December 31, 2001, the actuarial value of assets exceeded the market value of assets

## Management Discussion and Analysis *(Continued)*



**DEFINED CONTRIBUTION PLANS COMPARATIVE ANNUALIZED RATES OF RETURN**

*Year Ended December 31*

Investment Option	2001	2000
Income Fund	6.7%	6.2%
Bond Fund	10.2	10.4
Balanced Fund	1.5	3.0
Large Cap Stock Value Fund	9.2	NA
Large Cap Stock Index Fund	-12.1	-9.6
Large Cap Stock Growth Fund	-21.2	-22.2
International Fund	-17.1	19.2
Small Cap Stock Fund	12.8	2.4
Short Horizon Fund	6.1	0.1
Medium Horizon Fund	-0.5	-5.4
Long Horizon Fund	-5.4	-9.0
Group Annuity Fund	6.1	6.2

by \$1.5 billion compared with a market value of assets exceeding the actuarial value of assets by \$98.4 million at December 31, 2000.

### Defined Contribution Plans

#### 401(k) Defined Contribution Plan

The 401(k) Plan is established under Section 401(k) of the Internal Revenue Code. This plan provides supplemental retirement benefits for plan participants.

The plan is funded by contributions and by investment earnings. The plan net assets held in trust for benefits at December 31, 2001 amounted to \$1.3 billion, an increase of \$53.3 million (4.2 percent) over net assets at December 31, 2000.

Additions to the 401(k) Plan net assets held in trust for benefits include contributions and investment income. For the 2001 calendar year, contributions increased from those of 2000 calendar year from \$137.6 million to \$145.6 million or an increase of \$8.0 million (5.8 percent). Contributions increased because of increased participation. The plan recognized a net investment loss of \$34.1 million for the 2001 calendar year compared

with a net investment loss of \$55.0 million for the 2000 calendar year. The negative return from investments was mainly due to a downturn in equity markets.

Deductions from the 401(k) Plan net assets include mainly participant and beneficiary refunds, and administrative expenses. For the 2001 calendar year, refunds amounted to \$54.8 million, a decrease of \$7.1 million (11.4 percent) under 2000 calendar year. The decrease in refunds was due to a decline in withdrawals for calendar year 2001. For the 2001 calendar year, the costs of administering the system's benefits amounted to \$3.4 million, an increase of \$1.0 thousand over calendar year 2000.

Benefit obligations of the 401(k) Defined Contribution Plan are equal to the member account balances, which are equal to net assets of the plan.

#### 457 Defined Contribution Plan

The 457 Plan is established under Section 457 of the Internal Revenue Code. This plan provides supplemental retirement benefits for plan participants. The plan is funded by contributions and by investment earnings. The plan net assets held in trust for benefits at December 31, 2001 amounted to \$199.5 million, a decrease of \$16.1 million (7.5 percent) under net assets at December 31, 2000.

## Management Discussion and Analysis *(Continued)*

### NET ASSETS — DEFINED CONTRIBUTION PLANS

December 31

(dollars in thousands)

	2001	401(k) Plan 2000	2001	457 Plan 2000	Total Defined Contribution Plans 2001	Total Defined Contribution Plans 2000	Total Percent Change
<b>Assets:</b>							
Cash and receivables	\$ 25,644	22,502	335	555	25,979	23,057	12.7%
Investments at fair value	1,305,790	1,258,404	199,546	216,427	1,505,336	1,474,831	2.1
Invested securities							
lending collateral	28,099	29,528	4,012	4,940	32,111	34,468	(6.8)
Total assets	1,359,533	1,310,434	203,893	221,922	1,563,426	1,532,356	2.0
<b>Liabilities:</b>							
Securities lending liability	28,099	29,528	4,012	4,940	32,111	34,468	(6.8)
Investment accounts							
and other payables	1,389	4,174	363	1,377	1,752	5,551	(68.4)
Total liabilities	29,488	33,702	4,375	6,317	33,863	40,019	(15.4)
Total net assets	\$1,330,045	1,276,732	199,518	215,605	1,529,563	1,492,337	2.5%

### CHANGES IN NET ASSETS — DEFINED CONTRIBUTION PLANS

Year Ended December 31

(dollars in thousands)

	2001	401(k) Plan 2000	2001	457 Plan 2000	Total Defined Contribution Plans 2001	Total Defined Contribution Plans 2000	Total Percent Change
<b>Additions:</b>							
Contributions	\$ 145,557	137,563	5,935	5,983	151,492	143,546	5.5%
Investment income (loss)	(34,051)	(55,001)	(5,395)	(9,061)	(39,446)	(64,062)	(38.4)
Total additions	111,506	82,562	540	(3,078)	112,046	79,484	41.0
<b>Deductions:</b>							
Refunds	54,819	61,898	16,129	15,747	70,948	77,645	(8.6)
Administrative expenses	3,374	3,373	498	558	3,872	3,931	(1.5)
Total deductions	58,193	65,271	16,627	16,305	74,820	81,576	(8.3)
Increase (decrease) in net assets	\$ 53,313	17,291	(16,087)	(19,383)	37,226	(2,092)	(1,879.4)%

Additions to the 457 Plan net assets held in trust for benefits include contributions and investment income. For the 2001 calendar year, contributions decreased from those of 2000 calendar year from \$6.0 million to \$5.9 million or a decrease of \$48 thousand (0.8 percent). Contributions decreased because of decreased participation. The plan recognized a net investment loss of \$5.4 million for the 2001 calendar year compared with a net investment loss of \$9.1 million for the 2000 calendar year. The negative return from investments was mainly due to a downturn in equity markets during 2001.

Deductions from the 457 Plan net assets include mainly participant and beneficiary refunds, and administrative expenses. For the 2001 calendar year, refunds amounted to \$16.1 million, an increase of \$382 thousand (2.4 percent) over 2000 calendar year. The increase in refunds was due to an increase in withdrawals for calendar year 2001. For the 2001 calendar year, the costs of administering the system's benefits amounted to \$498 thousand, a decrease of \$60 thousand under calendar year 2000.

Benefit obligations of the 457 Defined Contribution Plan are equal to the member account balances, which are equal to net assets of the plan.

# Basic Financial Statements

## Statements of Fiduciary Net Assets— Pension (and Other Employee Benefit) Trust Funds

December 31, 2001

With Comparative Totals for December 31, 2000

(in thousands)

	Contributory System	Noncontributory System	Public Safety System	Firefighters System
<b>Assets:</b>				
Cash	\$ 2	2	14	2
Receivables:				
Member contributions	431	—	178	241
Employer contributions	410	19,494	1,773	1,806
Court fees and fire insurance premium tax	—	—	—	—
Investments	10,399	121,925	15,143	6,246
Total receivables	11,240	141,419	17,094	8,293
Investments at fair value:				
Short-term securities, domestic	36,019	422,353	52,458	21,638
Short-term securities, international	4,473	52,441	6,514	2,687
Debt securities, domestic	181,433	2,127,436	264,237	108,996
Debt securities, international	51,096	599,131	74,414	30,696
Equity investments, domestic	353,914	4,149,885	515,434	212,614
Equity investments, international	120,677	1,415,023	175,753	72,497
Alternative investments	45,497	533,487	66,262	27,333
Real estate	72,280	847,524	105,267	43,422
Mortgage loans	225	2,647	330	136
Investment contracts	—	—	—	—
Total investments	865,614	10,149,927	1,260,669	520,019
Invested securities lending collateral	105,414	1,236,060	153,526	63,328
Property and equipment at cost, net of accumulated depreciation	370	4,340	539	222
Total assets	982,640	11,531,748	1,431,842	591,864
<b>Liabilities:</b>				
Securities lending liability	105,414	1,236,060	153,526	63,328
Disbursements in excess of cash balance	1,013	11,881	1,475	609
Insurance and post employment benefits reserve	3,260	38,219	4,746	1,958
Investment accounts payable	28,971	339,786	42,192	17,404
Total liabilities	138,658	1,625,946	201,939	83,299
Net assets held in trust for pension benefits (see supplemental schedules of funding progress, page 52)	\$ 843,982	9,905,802	1,229,903	508,565

See accompanying notes to basic financial statements.



Defined Benefit Pension Plans			Defined Contribution Plans			Total Pension Trust Funds	
Judges System	Governors and Legislative Pension Plan	Total Defined Benefit Pension Plans	401(k) Plan	457 Plan	Total Defined Contribution Plans	2001	2000
1	1	22	1,767	335	2,102	2,124	2,302
—	—	850	—	—	—	850	1,037
147	—	23,630	—	—	—	23,630	24,079
23	—	23	—	—	—	23	60
1,019	129	154,861	23,877	—	23,877	178,738	491,924
1,189	129	179,364	23,877	—	23,877	203,241	517,100
3,528	446	536,442	—	—	—	536,442	529,368
438	55	66,608	—	—	—	66,608	65,873
17,772	2,248	2,702,122	447,932	61,242	509,174	3,211,296	3,035,595
5,005	633	760,975	—	—	—	760,975	767,420
34,667	4,385	5,270,899	726,769	102,082	828,851	6,099,750	6,064,242
11,821	1,495	1,797,266	94,384	10,309	104,693	1,901,959	2,233,227
4,457	564	677,600	—	—	—	677,600	1,049,887
7,080	896	1,076,469	—	—	—	1,076,469	1,133,488
22	3	3,363	—	—	—	3,363	3,473
—	—	—	36,705	25,913	62,618	62,618	66,702
84,790	10,725	12,891,744	1,305,790	199,546	1,505,336	14,397,080	14,949,275
10,326	1,306	1,569,960	28,099	4,012	32,111	1,602,071	1,464,770
36	5	5,512	—	—	—	5,512	5,769
96,342	12,166	14,646,602	1,359,533	203,893	1,563,426	16,210,028	16,939,216
10,326	1,306	1,569,960	28,099	4,012	32,111	1,602,071	1,464,770
99	13	15,090	544	273	817	15,907	15,151
319	40	48,542	—	—	—	48,542	51,246
2,838	359	431,550	845	90	935	432,485	609,192
13,582	1,718	2,065,142	29,488	4,375	33,863	2,099,005	2,140,359
82,760	10,448	12,581,460	1,330,045	199,518	1,529,563	14,111,023	14,798,857

**Basic Financial Statements***Statements of Changes in Fiduciary Net Assets—  
Pension (and Other Employee Benefit) Trust Funds*

Year Ended December 31, 2001

With Comparative Totals for Year Ended December 31, 2000

(in thousands)

	Contributory System	Noncontributory System	Public Safety System	Firefighters System
<b>Additions:</b>				
Contributions:				
Member contributions	\$ 8,604	10,969	3,976	7,549
Employer contributions	8,480	331,951	46,113	—
Court fees and fire insurance premium tax	—	—	—	8,354
<b>Total contributions</b>	<b>17,084</b>	<b>342,920</b>	<b>50,089</b>	<b>15,903</b>
Investment income:				
Net appreciation (depreciation) in fair value of investments	(72,423)	(826,185)	(102,635)	(42,515)
Interest, dividends and other investment income	26,186	298,719	37,107	15,372
<b>Total investment income (loss)</b>	<b>(46,237)</b>	<b>(527,466)</b>	<b>(65,528)</b>	<b>(27,143)</b>
Less investment expenses	1,524	17,382	2,160	895
<b>Net investment income (loss)</b>	<b>(47,761)</b>	<b>(544,848)</b>	<b>(67,688)</b>	<b>(28,038)</b>
Transfers from affiliated systems	—	5,255	1,416	1,517
<b>Total additions</b>	<b>(30,677)</b>	<b>(196,673)</b>	<b>(16,183)</b>	<b>(10,618)</b>
<b>Deductions:</b>				
Retirement benefits	36,714	265,102	41,084	16,207
Cost of living benefits	20,528	46,209	6,801	3,775
Supplemental retirement benefits	2,333	—	722	796
Refunds	3,087	3,264	542	543
Administrative expenses	654	6,695	843	318
Transfers to affiliated systems	8,445	—	—	—
<b>Total deductions</b>	<b>71,761</b>	<b>321,270</b>	<b>49,992</b>	<b>21,639</b>
<b>Increase (decrease) from operations</b>	<b>(102,438)</b>	<b>(517,943)</b>	<b>(66,175)</b>	<b>(32,257)</b>
Net assets held in trust for pension benefits beginning of year	946,420	10,423,745	1,296,078	540,822
<b>Net assets held in trust for pension benefits end of year</b>	<b>\$ 843,982</b>	<b>9,905,802</b>	<b>1,229,903</b>	<b>508,565</b>

See accompanying notes to basic financial statements.

Judges System	Defined Benefit Pension Plans		Defined Contribution Plans			Total Pension Trust Funds	
	Governors and Legislative Pension Plan	Total Defined Benefit Pension Plans	401(k) Plan	457 Plan	Total Defined Contribution Plans	2001	2000
7	—	31,105	145,557	5,935	151,492	182,597	177,285
1,007	—	387,551	—	—	—	387,551	413,792
2,046	—	10,400	—	—	—	10,400	8,561
3,060	—	429,056	145,557	5,935	151,492	580,548	599,638
(6,914)	(902)	(1,051,574)	(36,767)	(6,853)	(43,620)	(1,095,194)	(222,942)
2,500	326	380,210	4,214	1,646	5,860	386,070	420,306
(4,414)	(576)	(671,364)	(32,553)	(5,207)	(37,760)	(709,124)	197,364
145	19	22,125	1,498	188	1,686	23,811	22,348
(4,559)	(595)	(693,489)	(34,051)	(5,395)	(39,446)	(732,935)	175,016
239	18	8,445	—	—	—	8,445	54,549
(1,260)	(577)	(255,988)	111,506	540	112,046	(143,942)	829,203
2,965	547	362,619	—	—	—	362,619	326,659
694	144	78,151	—	—	—	78,151	71,698
—	—	3,851	—	—	—	3,851	4,329
—	2	7,438	54,819	16,129	70,948	78,386	89,261
52	6	8,568	3,374	498	3,872	12,440	12,678
—	—	8,445	—	—	—	8,445	54,549
3,711	699	469,072	58,193	16,627	74,820	543,892	559,174
(4,971)	(1,276)	(725,060)	53,313	(16,087)	37,226	(687,834)	270,029
87,731	11,724	13,306,520	1,276,732	215,605	1,492,337	14,798,857	14,528,828
82,760	10,448	12,581,460	1,330,045	199,518	1,529,563	14,111,023	14,798,857

## Basic Financial Statements

# Notes to Basic Financial Statements

December 31, 2001

## 1 Description of Systems and Plans

Note

A brief description of the Utah Retirement Systems (Systems) and 401(k) and 457 Plans (Plans) follows. For a more complete description of plan provisions, membership and benefit statistics, see the Systems Highlights on pages 12 through 24 and Summaries of Plan Provisions on pages 106 through 115.

### (A) General Information and Reporting Entity

**General**—The Utah Retirement Systems are comprised of the following pension trust funds:

- i) the **Public Employees Contributory Retirement System (Contributory System)**; the **Public Employees Noncontributory Retirement System (Noncontributory System)**; and the **Firefighters Retirement System** which are multiple-employer, cost sharing, public employee retirement systems;
- ii) the **Public Safety Retirement System** which is a mixed agent and cost-sharing, multiple-employer retirement system;
- iii) the **Judges Retirement System** and the **Governors and Legislative Pension Plan** which are single employer public employee retirement systems; and
- iv) two defined contribution plans comprised of the **401(k) Plan** and the **457 Plan**.

These Systems and Plans cover employees of the State of Utah and participating local government and public education entities.

**Reporting Entity**—These basic financial statements cover all of the foregoing retirement systems and defined contribution plans administered by the Utah State Retirement Board (Board), the sole governing body for these Systems and Plans.

The Systems are established and governed by the respective sections of Title 49 of the Utah Code Annotated 1953, as amended. The Systems' defined benefit plans are amended statutorily by the State Legislature. The Utah State Retirement Office Act in Title 49 provides for the administration of the Systems and Plans under the direction of the Board, whose members are appointed by the Governor. The Plans are established under the authority of the same sections of the Utah Code Annotated 1953, as amended, as well as under Sections 401(k) and 457 of the Internal Revenue Code. The Plans may be amended by the Board within the parameters of Sections 401(k) and 457 of the Internal Revenue Code. The Systems and Plans are fiduciary funds defined as pension (and other employee benefit) trust funds. Utah Retirement Systems are a component unit of the State of Utah.

### (B) Retirement and Death Benefits

Retirement Systems' benefits are specified by the statute listed in note 1 (A). The Retirement Systems are defined benefit plans wherein benefits are based on age and/or years of service and highest average salary. Various plan options within the Systems may be selected by retiring members. Some options require actuarial reductions based on attained age, age of spouse and similar actuarial factors. A brief summary of eligibility and benefits of the various Systems is shown in the table on page 43.

The Governors and Legislative Pension Plan provides the following benefits. Former governors at age 65 receive \$1,060 per month per term. Legislators receive a benefit at age 65 with four or more years of service at the rate of \$23.60 per month per year of service. Retirement at age 62 with ten or more years of service will receive an actuarial reduction. Both the governors' and legislators' benefits are adjusted based on the CPI limited to 4% of the base benefit per year.

## Basic Financial Statements

# Notes to Basic Financial Statements (Continued)

December 31, 2001

### S U M M A R Y O F B E N E F I T S B Y S Y S T E M

	Contributory System	Noncontributory System	Public Safety System	Firefighters System	Judges System
Final average salary is	Highest 5 years	Highest 3 years	Highest 3 years		Highest 2 years
Years of service required and/or age eligible for benefit	30 years any age 20 years age 60* 10 years age 62* 4 years age 65	30 years any age 25 years any age* 20 years age 60* 10 years age 62* 4 years age 65	20 years any age 10 years age 60 4 years age 65		25 years any age 20 years age 55* 10 years age 62 6 years age 70
Benefit percent per year of service**	1.10% per year to June 1967 1.25% per year July 1967 to June 1975 2.00% per year July 1975 to present	2.0% per year all years	2.5% per year up to 20 years 2.0% per year over 20 years Benefit cannot exceed 70% of final average salary		5.00% first 10 years 2.25% second 10 years 1.00% over 20 years Benefit cannot exceed 75% of final average salary

Note: The Governors and Legislative Pension Plan benefits are explained in the paragraph following this table.

\* With full actuarial reductions.

\*\*For members and retirees in the systems, prior to January 1, 1990, there may be a 3% benefit enhancement.

Death benefits for active and retired employees are in accordance with retirement statutes. Upon termination of employment, members of the Systems may leave their retirement account intact for future benefits based on vesting qualification or withdraw the accumulated funds in their individual member account and forfeit service credits and rights to future benefits upon which the contributions were based.

#### (C) 401(k) and 457 Plans

The 401(k) and 457 Plans administered by the Board are defined contribution plans. These Plans are available as supplemental plans to the basic retirement benefits of the Retirement Systems for employees of employers who have adopted the 401(k) and 457 Plans. Contributions may be made into the Plans subject to plan and Internal Revenue Code limitations by employees of employers sponsoring the Plans. Employer contributions may be made into the Plans at rates determined by the employers. There are 329 employers participating in the 401(k) Plan and 153 employers participating in the 457 Plan. There are 129,524 plan participants in the 401(k) Plan and 9,436 participants in the 457 Plan.

After termination of employment, benefits are paid out to individuals in lump-sum, or as periodic benefit payments, at the option of the participant based on individual account balances and plan provisions. The 401(k) and 457 Plans account balances are fully vested to the participants at the time of deposit.

Investments in the 401(k) and 457 Plans are individually directed and controlled by plan participants who direct the investment of their funds among several investment options of varying degrees of risk and earnings potential. Participants may transfer their funds between these options daily. Investments of the Plans are reported at fair value.

#### (D) Contributions

As a condition of participation in the Systems, employers and/or employees are required to contribute certain percentages of salaries and wages as authorized by statute and specified by the Board. Employee contributions may be paid in part or in whole by the employer. Contributions in some Systems are also augmented by fees or insurance premium taxes. Contribution rates are listed in note 6. In the defined contribution plans, voluntary deferral of compensation within the limits of Plan provisions may be made by employees. In addition to employee voluntary deferrals, employer contributions may be made into the Plans in behalf of employees. The recognition of deferred compensation, employer contributions and earnings on the accounts are deferred for income tax purposes until actually paid to the participant or beneficiary.

Employee (member) contributions are placed into member accounts, and in systems where it is authorized, interest is credited to member accounts. Upon termination of employment, a member may withdraw their account balance, including interest which has

## Basic Financial Statements

# Notes to Basic Financial Statements (Continued)

December 31, 2001

been credited. Upon withdrawal a member forfeits the service credit which corresponds to the member contributions withdrawn. The noncontributory retirement systems have no member contributions flowing into them. However, where members had a balance transferred in or purchased service credit in the system, these balances and on-going interest, where authorized, are credited to individual member accounts which may be withdrawn upon the termination of employment.

### (E) Covered Employees

The **Public Employees Contributory Retirement System (Contributory System)** includes eligible public employees of the State of Utah and its political subdivisions including public education employees of those entities covered by the System. Members of this System are those who did not elect to transfer to the Public Employees Noncontributory Retirement System during the period when they were eligible to transfer or whose employers are not participants in the Noncontributory System.

The **Public Employees Noncontributory Retirement System (Noncontributory System)** was established on July 1, 1986. All eligible employees of the State and school entities hired subsequent to that date are automatically members of the Noncontributory System. Local government entities had the option of adopting

the new System or remaining with the Contributory System. All Contributory System members whose employers adopted the Noncontributory System were given the opportunity to transfer to the new System during limited window periods. All eligible new hires subsequent to adoption of the noncontributory plans are automatically members of that plan.

The **Public Safety Retirement System** includes eligible state and local government employees directly involved in law enforcement (e.g., game wardens, prison guards, police officers and highway patrol officers). The Public Safety System consists of both contributory and noncontributory divisions. The non-contributory divisions were authorized by the Legislature effective July 1, 1989.

The **Firefighters Retirement System** includes eligible state and local government employees directly involved in fire fighting.

The **Judges Retirement System** includes eligible state and local, appointed or elected judges.

The **Governors and Legislative Pension Plan** includes only governors and legislators of the State.

The **401(k) and 457 Plans** may be utilized by employers adopting the Plans and by their employees.

At December 31, 2001 participating members by System are included in the table below.

### PARTICIPATING MEMBERS BY SYSTEM

	Contributory System	Noncontributory System	Public Safety System	Firefighters System	Judges System	Governors and Legislative Pension Plan
<b>Number of participating:</b>						
Employers	164	374	116	39	1	1
Members:						
Active	3,760	81,383	6,905	1,498	105	92
Terminated vested	1,539	19,067	874	50	4	89
Retirees and beneficiaries:						
Service benefits	7,683	19,164	2,542	799	78	229
Disability benefits	165	1	47	68	—	—

## Basic Financial Statements

# Notes to Basic Financial Statements (Continued)

December 31, 2001

## 2 Summary of Significant Accounting Policies

Note

The following are the significant accounting policies followed by the Systems and Plans:

### (A) Method of Accounting

The Systems maintain records and accounts, and prepare financial statements using fund accounting principles and the accrual basis of accounting, under which expenses are recorded when the liability is incurred and revenues are recorded in the accounting period in which they are earned and become measurable. All of the Systems and Plans are fiduciary funds defined as pension (and other employee benefit) trust funds.

Utah Retirement Systems adhere to Governmental Accounting Standards Board (GASB) Statement No. 25, *Financial Reporting for Defined Benefit Pension Plans and Note Disclosures for Defined Contribution Plans*, GASB Statement No. 34, *Basic Financial Statements and Management's Discussion and Analysis—for State and Local Governments*, GASB Statement No. 37, *Basic Financial Statements—and Management's Discussion and Analysis—for State and Local Governments: Omnibus*, and GASB Statement No. 38, *Certain Financial Statement Note Disclosures*. Investments are presented at fair value. The actuarial accrued liability under the entry age actuarial funding method is presented in the Required Supplementary Information on page 52.

### (B) Investments

By state statute all of the investment assets of the various Systems are pooled and invested in the common Pension Investment Trust Fund (Investment Fund). Each of the Systems has equity in the Investment Fund based on funds contributed and earnings allocated. Earnings of the Investment Fund are allocated based on the average month-end balances of each of the respective Systems. Individual investments in the Investment Fund are not specifically identified to the respective Systems (see note 3). For financial statement presentation, the Investment Fund assets, liabilities, revenues and expenses have been allocated to and presented in each respective system in the general purpose financial statements as required for investment pools.

Investments are presented at fair value. The fair

value of investments is based on published market prices and quotations from major investment brokers at current exchange rates, as available. Many factors are considered in arriving at that value. Corporate debt securities are valued based on yields currently available on comparable securities of issuers with similar credit ratings.

Mortgages have been valued on an amortized cost basis which approximates market or fair value. The fair value of real estate investments has been estimated based on independent appraisals. Short-term investments are reported at market value when published market prices and quotations are available, or at cost plus accrued interest, which approximates market or fair value. For investments where no readily ascertainable market value exists, management, in consultation with their investment advisors, have determined the fair values for the individual investments.

Approximately 11% of the net assets held in trust for pension benefits are invested in debt securities of the U.S. Government and its instrumentalities. The Systems and Plans have no investments of any commercial or industrial organization whose market value equals 5% or more of the Systems' net assets available for benefits.

### (C) Property and Equipment

Property and equipment are recorded at cost (see note 4), are depreciated utilizing the straight-line method, and are included in the assets of the Investment Fund. The schedule below summarizes the estimated useful life by class.

#### ESTIMATED USEFUL LIFE BY CLASS

Buildings	40 years
Building improvements	10 years
Furniture and equipment	3-10 years

### (D) Administrative Expenses

Expenses for the administration of the Systems and Plans are budgeted and approved by the Board. Systems expenses are paid from investment earnings. Plan expenses are paid from Plan assets.

### (E) Reclassification

Certain reclassifications have been made to prior years amounts to conform to classifications adopted in the current year.

## Basic Financial Statements

## Notes to Basic Financial Statements (Continued)

December 31, 2001

### Note 3 Deposits and Investments

Investing is governed by the prudent person rule in accordance with statutes of the State of Utah. All investments of the Systems are considered to have been made in accordance with these governing statutes.

#### (A) Deposits

All deposits of the Systems and Plans are carried at cost plus accrued interest which approximates fair value. At December 31, 2001 the carrying amount of deposits totaled approximately \$(13,783,000) and the corresponding bank balance was \$1,080,334. The deposits are held in one financial institution with an insured balance of \$100,000. The deposits in the bank in excess of \$100,000 are Category 3 which is uncollateralized. Deposits are not collateralized nor are they required to be by state statute. Deposits are presented in the general purpose financial statements at cost plus accrued interest which is also the market or fair value.

#### CASH DEPOSITS

(in thousands)

Cash	\$ 2,124
Disbursements in excess of cash balances	(15,907)
<b>Total</b>	<b>\$(13,783)</b>

#### (B) Investments

The table below provides information about the custodial credit risks associated with the Systems' and Plans' investments. Category 1 includes investments that are insured or registered, or for which the securities are held by the systems or its agent in the systems' name. Category 2 includes uninsured and unregistered investments for which the securities are held by the counterparty's trust department or agent in the systems' name. Category 3 includes uninsured and unregistered investments for which the securities are held by the counterparty or by its trust department or agent but not in the systems' name. Currently the Systems and Plans have no category 2 or 3 investments.

#### INVESTMENTS BY CATEGORY OF CUSTODIAL RISK

(in thousands)

Fair Value

<b>Category 1 Investments:</b>	
Debt securities, domestic	\$ 2,689,388
Debt securities, international	644,134
Equity investments, domestic	5,008,198
Equity investments, international	1,633,367
<b>Total Category 1 Investments</b>	<b>9,975,087</b>
<b>Investments not categorized:</b>	
Short-term securities pools	603,050
Mortgage loans:	
Collateralized loans	68
Real estate notes	3,295
Real estate	504,627
Real estate joint ventures	571,842
Alternative investments	677,600
Guaranteed investment contracts	62,618
Equity investments, domestic (pooled)	105,405
Mutual fund, international	104,692
Mutual fund, balanced	242,989
Investments held by broker-dealers under securities lending program:	
U.S. Government and agency securities	429,238
Corporate Debt securities, domestic	92,670
Equity investments, domestic	743,158
Debt securities, international	116,841
Equities, international	163,900
<b>Total investments not categorized</b>	<b>4,421,993</b>
<b>Total investments</b>	<b>\$ 14,397,080</b>
Securities lending collateral pool (not categorized)	\$ 1,602,071



**Basic Financial Statements**

*Notes to Basic Financial Statements (Continued)*

December 31, 2001

**(C) Securities Lending**

The Systems and Plans participate in a security lending program as authorized by Board policy, whereby securities are transferred to an independent broker or dealer in exchange for collateral in the form of cash, government securities and irrevocable bank letters of credit equal to approximately 102% of the market value of the domestic securities on loan and 105% of the market value of the international securities on loan, with a simultaneous agreement to return the collateral for the same securities in the future. The custodial bank is the agent for the securities lending program. Securities under loan are maintained in the financial records and are classified in the following summary of custodial risk. A corresponding liability is recorded for the market value of the collateral received.

At year end there was no credit risk exposure to borrowers because the collateral exceeded the amount borrowed. The securities on loan at year end were \$1,545,807,000, and the collateral received for those securities on loan was \$1,602,071,000. Under the terms of the lending agreement, the Systems are indemnified against loss should the lending agent be unable to recover borrowed securities and distributions due to borrower insolvency or failure of the lending agent to properly evaluate the creditworthiness of the borrower. In addition, the Systems are indemnified against loss should the lending agent fail to demand adequate and appropriate collateral on a timely basis.

All securities loaned can be terminated on demand by either the Systems or the borrower. Cash collateral is invested in the lending agent's short-term investment pool. The short-term investment pool guidelines specify that a minimum of 20% of the invested cash collateral is to be available each business day and the dollar weighted average maturity of holdings should not exceed 60 days. The relationship between the maturities of the short-term investment pool and the Systems' loans is affected by the maturities of the securities loans made by other entities that use the agent's pool, which the Systems cannot determine. Since the securities lending collateral is in a pool maintained by the custodial bank, the Systems do not have the ability to pledge or sell the securities, and it is not necessary to report the total income and expenses of securities lending.

**(D) Derivative Financial Instruments**

The Systems invest in derivative financial investments as authorized by Board policy. Derivatives are financial arrangements between two parties whose payments are

based on, or "derived" from, the performance of some agreed-upon benchmark. As of December 31, 2001 the Systems had three types of derivative financial instruments: Futures, currency forwards, and options.

Futures represent commitments to purchase (asset) or sell (liability) securities or money market instruments at a future date and at a specific price. Futures contracts are traded on organized exchanges (exchange traded) thereby minimizing the Systems' credit risk. The net change in the futures contract value is settled daily in cash with the exchanges. Net gains or losses resulting from the daily settlements are included with trading account securities gains (losses) in the Statement of Changes in Fiduciary Net Assets. At December 31, 2001 the Systems' investments had the following futures balances:

	<u>Value Covered by Contract</u>
Long-equity futures.....	\$51,470,413
Short-equity futures .....	(34,556,759)
Long-debt securities futures .....	80,070,891
Short-debt securities futures.....	(21,271,453)

Currency forwards represent forward foreign exchange contracts that are entered into in order to hedge the exposure to changes in foreign currency exchange rates on the foreign currency dominated portfolio holdings. A forward foreign exchange contract is a commitment to purchase or sell a foreign currency at a future date at a negotiated forward rate. The gain or loss arising from the difference between the original contracts and the closing of such contracts is included in net realized gains or losses on foreign currency related transactions. At December 31, 2001 the Systems' investments included the following currency forwards balances:

Currency forwards (pending foreign exchange purchases) .....	\$827,573,482
Currency forwards (pending foreign exchange sales).....	(832,652,293)

Options represent or give buyers the right, but not the obligation, to buy or sell an asset at a preset price over a specified period. The option's price is usually a small percentage of the underlying asset's value. As a writer of financial options, the Systems receives a premium at the outset of the agreement and bears the risk of an unfavorable change in the price of the financial instrument underlying the option. As a purchaser of financial options, the Systems pay a premium at the outset of the agreement and the counterparty bears the

**Basic Financial Statements**

*Notes to Basic Financial Statements (Continued)*

December 31, 2001

risk of an unfavorable change in the price of the financial instrument underlying the option. At December 31, 2001 the Systems' investments had the following options balances:

	Value Covered by Contract
Cash and cash equivalent purchased call options.....	\$3,380,538
Fixed income written put options.....	(851,628)
Fixed income written call options.....	(1,033,987)

**(E) Investment Payables**

The investment accounts payable are comprised of investment advisor fees payable of \$5,701,000, administrative expenses payable of \$506,000, investment purchases payable of \$422,830,000 and real estate liabilities of \$3,448,000.

**4**  
Note

**Property and Equipment**

*Property and equipment consists of the amounts shown in the following table as of December 31, 2001 and 2000. There were no significant leases as of December 31, 2001 or 2000.*

**PROPERTY AND EQUIPMENT**

	(in thousands)	
	2001	2000
Land	\$ 1,779	1,779
Buildings and building improvements	10,587	10,200
Furniture and equipment	2,984	2,930
Total property and equipment	15,350	14,909
Less accumulated depreciation	6,517	5,874
Less operating reserves	3,321	3,266
Net property and equipment	\$ 5,512	5,769

**5**  
Note

**Funding Status and Progress**

**(A) Actuarial Asset Valuation**

*The actuarial value of assets is used in determining the funding progress of the Retirement Systems. The actuarial value of assets is based on a smoothed expected income investment rate. Investment income in excess or shortfall of the expected 8% rate on fair value is smoothed over a five-year period with 20% of a year's excess or shortfall being recognized each year beginning with the current year.*

This smoothed actuarial value of assets utilized by the actuary in determining the actuarial funding status of the retirement systems is also used in establishing the contribution rates necessary to accumulate needed assets to pay benefits when due.

The above calculation was utilized in determining the actuarial value of assets as of January 1, 2001, and the next table shows the smoothed actuarial value of assets for each System.

**CALCULATION OF ACTUARIAL VALUE OF ASSETS**

January 1, 2001

(dollars in thousands)

1. Fair value of assets	\$13,306,520		
2. Deferral to smooth asset values based on (excess)/shortfall of expected investment income for:			
Year	Total (Excess)/ Shortfall	Percent Deferred	Amount Deferred
a. 2000	\$ 814,093	80%	\$ 651,273
b. 1999	(932,957)	60%	(559,775)
c. 1998	(137,130)	40%	(54,852)
d. 1997	(675,272)	20%	(135,054)
e. Total			(98,407)
3. Actuarial value of assets available for benefits			\$13,208,113

**Basic Financial Statements***Notes to Basic Financial Statements (Continued)*

December 31, 2001

**ACTUARIAL VALUE OF ASSETS BY SYSTEM**

January 1, 2001

(in thousands)

	Contributory System	Noncontributory System	Public Safety System	Firefighters System	Judges System	Governors and Legislative	Total All Systems
1. Net assets available for benefits at fair value	\$936,798	10,433,367	1,296,078	540,822	87,731	11,724	13,306,520
2. Deferral to smooth asset values based on (excess)/shortfall of expected investment income on fair value	(12,225)	(72,034)	(9,082)	(4,319)	(592)	(155)	(98,407)
3. Actuarial value of assets available for benefits	\$924,573	10,361,333	1,286,996	536,503	87,139	11,569	13,208,113

**(B) Actuarial Accrued Liability**

The actuarial accrued liability for the Systems is presented in the Required Supplementary Information Schedule of Funding Progress on page 52 of this report.

**(C) Actuarial Cost Method and Assumptions**

The Board engages an independent firm of actuaries to estimate the present value of actuarial accrued liability for the purpose of determining actuarial accrued liabilities for active and terminated members, retired individuals and beneficiaries, and for the determination

of contribution rates (note 6).

Actuarial accrued liabilities are future periodic payments including lump-sum distributions that are attributable to the service employees have rendered to date and the plan provisions of the various systems. The present value of actuarial accrued liabilities are calculated based on the entry age actuarial cost method with benefits based on projected salary increases.

A schedule of the actuarial assumptions used in the actuarial report dated January 1, 2001 is presented in Notes to Required Supplementary Information on page 55.

## 6 Actuarially Determined Contribution Requirements and Contributions Made

Note

*Employer contribution rates consist of (1) an amount for normal cost (the estimated amount necessary to finance benefits earned by the members during the current service year) and (2) an amount for amortization of the unfunded or excess funded actuarial accrued liability over an open 20 year amortization period.*

These rates are determined using the entry age actuarial cost method with a supplemental present value, and the same actuarial assumptions that were used to calculate the actuarial accrued liability in the Schedules of Funding Progress on page 52.

The following schedule summarizes contribution rates in effect as of December 31, 2001.

System	CONTRIBUTION RATES		
	Contribution Rates as a Percent of Covered Payroll		
	Member	Employer	Other
Contributory	6.00%	4.19 - 5.91%	—
Noncontributory	—	8.20-10.40	—
Public Safety:			
Contributory	10.50-13.74	2.41-18.21	—
Noncontributory	—	14.08-30.72	—
Firefighters:			
Division A	6.77	0.00	8.28%
Division B	8.43	0.00	8.28
Judges:			
Contributory	5.55	0.00	18.93
Noncontributory	—	5.55	18.93
Governors and Legislative	—	—	—

**Basic Financial Statements***Notes to Basic Financial Statements (Continued)*

December 31, 2001

Contributions made by employers and members were in accordance with actuarially computed funding requirements. Fire insurance premium taxes and court fees are considered as part of employer contributions in the schedule below for the Firefighters and Judges Systems, respectively. These contribution rates also include rates for a 3% benefit enhancement which is funded by the State. For contribution rate purposes the

actuary evaluates the assets of the Systems based on a five-year smoothed expected return wherein 20% of a year's excess or shortfall of expected return is recognized each year for five years.

The actuary recommended some increases and some decreases in contribution rates which became effective July 1, 2001.

**REQUIRED CONTRIBUTIONS**

(dollars in thousands)

System	Contribution Requirements				Total Required Contributions	Total Actual Contributions	Contributions Made				Covered Payroll
	Normal Cost		Unfunded Cost				Member		Employer		
	Amount	Percent of Covered Payroll	Amount	Percent of Covered Payroll			Amount	Percent of Covered Payroll	Amount	Percent of Covered Payroll	
Contributory	\$ 14,486	10.14%	\$ 2,598	1.82%	\$ 17,084	\$ 17,084	\$ 8,604	6.02%	\$ 8,480	5.93%	\$ 142,882
Noncontributory	359,563	12.70	(16,643)	(0.59)	342,920	342,920	10,969	0.39	331,951	11.72	2,832,060
Public Safety	50,173	19.24	(84)	(0.03)	50,089	50,089	3,976	1.52	46,113	17.68	260,783
Firefighters	19,383	28.85	(3,480)	(5.18)	15,903	15,903	7,549	11.23	8,354	12.43	67,192
Judges	3,499	32.03	(439)	(4.02)	3,060	3,060	7	0.06	3,053	27.95	10,924
Governors and Legislative	—	0.00	—	0.00	—	—	—	0.00	—	0.00	556
<b>Total</b>	<b>\$447,104</b>		<b>\$(18,048)</b>		<b>\$429,056</b>	<b>\$429,056</b>	<b>\$31,105</b>		<b>\$397,951</b>		<b>\$3,314,397</b>

Information with regard to contributions to the Retirement Systems for the year ended December 31, 2001 is indicated in the schedule above.

Member contributions in the 401(k) and 457 Plans total \$151,492,000, which in combination with the

member contributions made in the Retirement Systems total \$182,597.

There are no funding requirements in the 401(k) and 457 Plans other than deposit of employee contributions or contributions for the employee by the employer.

**7 Transfers To or From  
Affiliated Systems****Note**

*Asset transfers to or from affiliated systems are for the purpose of spreading*

employer contribution costs across same employer and same class of employee groups and to record transfers of benefits and corresponding assets where employees transfer from one system to another. Benefit transfers usually are between contributory and noncontributory systems as allowed during authorized transfer windows established by statute or as otherwise authorized.

**8 Supplemental Benefits****Note**

*In the past, the Utah State Legislature appropriated funds as supplemental*

retirement benefits to be paid to qualified participants who have previously retired under the Contributory System. These benefits, already granted, are now and will continue to be funded through contribution rates unless otherwise provided by the legislature.

**Basic Financial Statements***Notes to Basic Financial Statements (Continued)*

December 31, 2001

## 9 **Litigation**

Note

*The Systems are involved in various claims and legal actions arising in the*

ordinary course of business. In the opinion of management and legal counsel, the ultimate disposition of these matters will not have a material adverse effect on the Systems' financial position as a whole.

## 10 **Commitments**

Note

*At December 31, 2001, the Systems had committed to fund*

certain alternative investment partnerships and real estate projects for an amount of \$1,101,751,209. Funding of \$615,584,858 had been provided by December 31, 2001 leaving an unfunded commitment as of December 31, 2001 of \$486,167,351.

## 11 **Post Employment Benefits and Insurance Reserves**

Note

*This consists of termination and post employment benefits of*

\$1,565,000 and an insurance reserve of \$46,977,000. The termination and post employment benefit reserve was established to pay out termination and post employment benefits and compensated absences for Utah State Retirement Office employees as explained below. As set forth in section 67-19-14(2) of the Utah Code Annotated, 1953 as amended, upon retirement, all employees will receive up to five years health and life insurance, and may be paid for 25% of unused accumulated sick leave at the employee's current rate of pay. Retired employees may use accrued sick leave (after the 25% cashout) for coverage of health insurance benefits at the rate of one month's coverage for each eight hours of unused sick leave to age 65. This reserve is fully funded. As of December 31, 2001, there were eight retired individuals on the insurance program. For the year ended December 31, 2001, the System payout was \$34,310 in insurance premiums.

## 12 **Required Supplementary Information**

Note

*The historical trend information designed to provide information*

about the Utah Retirement Systems' progress made in accumulating sufficient assets to pay benefits when due is required supplementary information. Required supplementary information is included immediately following the notes to the financial statements on pages 52 through 55. Other supplementary information presented in succeeding sections of this report is for the benefit of statement users and is not a required part of the general purpose financial statements.

## 13 **Risk Management**

Note

*Most risks of loss to which the Systems, Plans and Investment*

Fund are exposed other than routine investment losses are covered under commercial insurance policies. Risks for large deductibles and otherwise uninsured losses are retained by the Systems, Plans or Investment Fund. There have been no reductions of insurance coverage from coverages of the previous year in any of the categories of risk. Coverages were increased commensurate with real estate acquisitions. During the past three calendar years, no loss settlements exceeded insurance coverages beyond immaterial deductible amounts. Experience and contingency losses of the Systems or Plans may be paid out of the experience and insurance reserve established by the board from investment earnings as authorized by statute.

# Required Supplementary Information

## Schedules of Funding Progress

		(dollars in thousands)					
System	Date	(1) Actuarial Value of Assets	(2) Actuarial Accrued Liability (AAL) Entry Age	(3) Unfunded AAL (UAAL) (2)-(1)	(4) Funding Ratios (1)/(2)	(5) Annual Covered Payroll	(6) UAAL as a % of Covered Payroll (3)/(5)
<b>Contributory Retirement System</b>	1/01/93	\$ 835,299	1,054,163	218,864	79.2%	\$ 286,183	76.5%
	1/01/94	911,717	1,099,162	187,445	82.9	293,833	63.8
	1/01/95	964,218	1,176,222	212,004	82.0	287,743	73.7
	1/01/96	852,034	992,374	140,340	85.9	261,685	53.6
	1/01/97	772,977	868,723	95,746	89.0	141,974	67.4
	1/01/98	809,388	880,499	71,111	91.9	138,231	51.4
	1/01/99	840,215	891,983	51,768	94.2	137,042	37.8
	1/01/00	878,190	894,484	16,294	98.2	137,561	11.8
	1/01/01	924,573	935,799	11,226	98.8	141,067	8.0
	12/31/01	945,723	962,035	16,312	98.3	142,882	11.4
<b>Noncontributory Retirement System</b>	1/01/93	\$ 3,480,582	4,186,743	706,161	83.1%	1,381,842	51.1%
	1/01/94	4,039,120	4,624,515	585,395	87.3	1,477,220	39.6
	1/01/95	4,372,190	5,205,873	833,683	84.0	1,642,123	50.8
	1/01/96	5,136,582	6,032,412	895,830	85.1	1,801,948	49.7
	1/01/97	5,969,813	6,917,958	948,145	86.3	2,054,879	46.1
	1/01/98	6,922,583	7,654,335	731,752	90.4	2,200,988	33.2
	1/01/99	7,931,193	8,335,731	404,538	95.1	2,365,650	17.1
	1/01/00	9,237,447	9,006,308	(231,139)	102.6	2,499,087	(9.2)
	1/01/01	10,361,333	9,933,514	(427,819)	104.3	2,659,200	(16.1)
	12/31/01	11,086,134	10,728,754	(357,380)	103.3	2,832,060	(12.6)
<b>Public Safety Retirement System</b>	1/01/93	\$ 485,861	557,664	71,803	87.1%	\$ 120,904	59.4%
	1/01/94	555,514	627,358	71,844	88.5	138,954	51.7
	1/01/95	596,892	691,107	94,215	86.4	148,791	63.3
	1/01/96	670,610	771,150	100,540	87.0	159,943	62.9
	1/01/97	755,106	866,504	111,398	87.1	176,979	62.9
	1/01/98	867,151	952,100	84,949	91.1	195,464	43.5
	1/01/99	988,800	1,034,147	45,347	95.6	212,414	21.3
	1/01/00	1,146,331	1,105,166	(41,165)	103.7	226,057	(18.2)
	1/01/01	1,286,996	1,206,876	(80,120)	106.6	247,985	(32.3)
	12/31/01	1,376,466	1,305,903	(70,563)	105.4	260,783	(27.1)

See accompanying notes to required supplementary information.

**Required Supplementary Information**  
*Schedules of Funding Progress* (Continued)

(dollars in thousands)

System	Date	(1) Actuarial Value of Assets	(2) Actuarial Accrued Liability (AAL) Entry Age	(3) Unfunded AAL (UAAL) (2)-(1)	(4) Funding Ratios (1)/(2)	(5) Annual Covered Payroll	(6) UAAL as a % of Covered Payroll (3)/(5)
<b>Firefighters Retirement System</b>	1/01/93	\$ 213,159	237,752	24,593	89.7%	\$ 36,517	67.3%
	1/01/94	243,228	279,084	35,856	87.2	37,879	94.7
	1/01/95	261,523	307,459	45,936	85.1	40,157	114.4
	1/01/96	293,816	333,432	39,616	88.1	43,027	92.1
	1/01/97	329,475	362,411	32,936	90.9	45,969	71.6
	1/01/98	376,178	384,975	8,797	97.7	51,287	17.2
	1/01/99	423,405	407,703	(15,702)	103.9	54,326	(28.9)
	1/01/00	483,374	419,157	(64,217)	115.3	57,561	(111.6)
	1/01/01	536,503	455,456	(81,047)	117.8	63,274	(128.1)
	12/31/01	569,151	491,331	(77,820)	115.8	67,192	(115.8)
<b>Judges Retirement System</b>	1/01/93	\$ 30,254	40,594	10,340	74.5%	\$ 6,538	158.2%
	1/01/94	35,479	45,631	10,152	77.8	7,013	144.8
	1/01/95	38,726	49,830	11,104	77.7	6,955	159.7
	1/01/96	44,304	55,952	11,648	79.2	7,903	147.4
	1/01/97	50,721	60,055	9,334	84.5	8,981	103.9
	1/01/98	59,373	62,406	3,033	95.1	9,286	32.7
	1/01/99	67,998	67,211	(787)	101.2	9,388	(8.4)
	1/01/00	78,130	68,134	(9,996)	114.7	10,104	(98.9)
	1/01/01	87,139	73,962	(13,177)	117.8	10,397	(126.7)
	12/31/01	92,649	79,932	(12,717)	115.9	10,927	(116.4)
<b>Governors and Legislative Pension Plan</b>	1/01/93	\$ 7,122	6,150	(972)	115.8%	\$ 254	(382.7)%
	1/01/94	7,683	6,116	(1,567)	125.6	246	(637.0)
	1/01/95	7,804	6,606	(1,198)	118.1	398	(301.0)
	1/01/96	8,185	6,853	(1,332)	119.4	398	(334.7)
	1/01/97	8,636	7,020	(1,616)	123.0	482	(335.3)
	1/01/98	9,318	6,998	(2,320)	133.2	468	(495.7)
	1/01/99	9,988	7,278	(2,710)	137.2	468	(579.1)
	1/01/00	10,946	8,253	(2,693)	132.6	468	(575.4)
	1/01/01	11,569	7,908	(3,661)	146.3	464	(789.0)
12/31/01	11,710	7,839	(3,871)	149.4	556	(696.2)	

See accompanying notes to required supplementary information.

**Required Supplementary Information**  
*Schedules of Employer Contributions*

(dollars in thousands)

System	Year Ended	Employer Contributions	
		Annual Required Contributions	Percentage Contributed
<b>Contributory Retirement System</b>	1992	\$ 19,142	100%
	1993	17,938	100
	1994	18,719	100
	1995	17,723	100
	1996	10,224	100
	1997	10,651	100
	1998	10,729	100
	1999	10,840	100
	2000	10,484	100
	2001	8,480	100
<b>Noncontributory Retirement System</b>	1992	\$171,505	100%
	1993	174,227	100
	1994	194,202	100
	1995	220,955	100
	1996	260,068	100
	1997	294,937	100
	1998	318,635	100
	1999	338,704	100
	2000	352,339	100
	2001	331,951	100
<b>Public Safety Retirement System</b>	1992	\$ 19,441	100%
	1993	16,960	100
	1994	18,895	100
	1995	24,732	100
	1996	29,271	100
	1997	34,217	100
	1998	40,099	100
	1999	45,110	100
	2000	49,353	100
	2001	46,113	100

System	Year Ended	Employer Contributions	
		Annual Required Contributions	Percentage Contributed
<b>Firefighters Retirement System</b>	1992	\$4,409	100%
	1993	4,960	100
	1994	5,498	100
	1995	6,547	100
	1996	6,335	100
	1997	7,388	100
	1998	6,937	100
	1999	5,737	100
	2000	6,755	100
	2001	8,354	100
<b>Judges Retirement System</b>	1992	\$2,045	100%
	1993	2,260	100
	1994	2,213	100
	1995	2,352	100
	1996	2,731	100
	1997	3,206	100
	1998	3,704	100
	1999	3,318	100
	2000	3,422	100
	2001	3,053	100
<b>Governors and Legislative Pension Plan</b>	1992	\$ 0	100%
	1993	0	100
	1994	0	100
	1995	0	100
	1996	0	100
	1997	0	100
	1998	0	100
	1999	0	100
	2000	0	100
	2001	0	100

See accompanying notes to required supplementary information.



**Required Supplementary Information***Notes to Required Supplementary Information*

December 31, 2001

**1 Schedules of Funding Progress**

Note

*The information contained in the schedule of funding progress is based*

on the actuarial study dated January 1, 2001 and calendar year 2001 activity. The actuarial accrued liability is presented based on the report generated by that study conducted by Gabriel, Roeder, Smith & Company. The actuarial value of assets for that date is based on a smoothed expected investment income rate. Investment income in excess or shortfall of the expected 8% return on fair value is smoothed over a five-year period with 20% of a year's excess or shortfall being recognized each year beginning with the current year. The calculations for this smoothing process are disclosed in note 5 of the notes to the basic financial statements on page 48.

**2 Schedules of Employer Contributions**

Note

*The required employer contributions and percent of those contributions*

actually made are presented in the schedule.

**3 Actuarial Assumptions**

Note

*The information presented in the required supplementary schedules was*

determined as part of the actuarial valuations at the dates indicated. Additional information as of the latest actuarial valuations follows.

**ADDITIONAL ACTUARIAL INFORMATION**

	Contributory	Noncontributory	Public Safety	Firefighters	Judges	Governors and Legislative
Valuation date	1/1/01	1/1/01	1/1/01	1/1/01	1/1/01	1/1/01
Actuarial cost method	Entry Age	Entry Age	Entry Age	Entry Age	Entry Age	Entry Age
Amortization method	Level Percent of Payroll	Level Percent of Payroll	Level Percent of Payroll	Level Percent of Payroll	Level Percent of Payroll	Level Dollar Amount
Amortization period	Open Group 20 Years Open Period	Open Group 20 Years Open Period	Open Group 20 Years Open Period	Open Group 20 Years Open Period	Open Group 20 Years Open Period	Open Group 20 Years Open Period
Actuarial asset valuation method (All Systems under same method.)	Based on the total fair value income of investments with the excess/shortfall of actual investment income over or under the expected investment return spread over five years. One-fifth of the excess/shortfall is recognized each year for five years.					
Actuarial assumptions:						
Investment rate of return	8%	8%	8%	8%	8%	8%
Projected salary increases	4.75-15.00%	4.75-15.00%	4.75-10.75%	4.75-11.75%	4.75%	None
Inflation rate	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Post retirement cost-of-living adjustment	3.00%	3.00%	2.50%	3.00%	3.00%	3.00%

NOTE: All post retirement cost-of-living adjustments are noncompounding and are based on the original benefit except for Judges which is a compounding benefit. The cost-of-living adjustments are also limited to the actual CPI increase for the year although unused CPI increases not met may be carried forward to subsequent years.

# Contributory

## Retirement System

### Schedules of Plan Net Assets by Division

December 31, 2001

With Comparative Totals for December 31, 2000

(in thousands)

	Local Government	State and School	Total All Divisions	
			2001	2000
<b>Assets:</b>				
Cash	\$ 1	1	2	2
Receivables:				
Member contributions	147	284	431	440
Employer contributions	156	254	410	591
Investments	2,915	7,484	10,399	33,537
Total receivables	3,218	8,022	11,240	34,568
Investments at fair value:				
Short-term securities, domestic	10,096	25,923	36,019	37,681
Short-term securities, international	1,254	3,219	4,473	4,689
Debt securities, domestic	50,855	130,578	181,433	186,263
Debt securities, international	14,322	36,774	51,096	54,626
Equity investments, domestic	99,201	254,713	353,914	369,554
Equity investments, international	33,825	86,852	120,677	150,650
Alternative investments	12,753	32,744	45,497	74,732
Real estate	20,260	52,020	72,280	80,683
Mortgage loans	63	162	225	247
Total investments	242,629	622,985	865,614	959,125
Invested securities lending collateral	29,547	75,867	105,414	101,811
Property and equipment at cost, net of accumulated depreciation	104	266	370	411
Total assets	275,499	707,141	982,640	1,095,917
<b>Liabilities:</b>				
Securities lending liability	29,547	75,867	105,414	101,811
Disbursements in excess of cash balance	284	729	1,013	978
Insurance and post employment benefits reserve	914	2,346	3,260	3,648
Investment accounts payable	8,121	20,850	28,971	43,060
Total liabilities	38,866	99,792	138,658	149,497
Net assets held in trust for pension benefits	\$236,633	607,349	843,982	946,420

**Contributory Retirement System***Schedules of Changes in Plan Net Assets by Division*

Year Ended December 31, 2001

With Comparative Totals for Year Ended December 31, 2000

(in thousands)

	Local Government	State and School	Total All Divisions	
			2001	2000
<b>Additions:</b>				
Contributions:				
Member	\$ 3,444	5,160	8,604	8,464
Employer	2,926	5,554	8,480	10,484
Total contributions	6,370	10,714	17,084	18,948
Investment income:				
Net appreciation (depreciation) in fair value of investments	(20,049)	(52,374)	(72,423)	(11,419)
Interest, dividends and other investment income	7,249	18,937	26,186	30,477
Total investment income (loss)	(12,800)	(33,437)	(46,237)	19,058
Less investment expenses	422	1,102	1,524	1,515
Net investment income (loss)	(13,222)	(34,539)	(47,761)	17,543
Total additions	(6,852)	(23,825)	(30,677)	36,491
<b>Deductions:</b>				
Retirement benefits	7,826	28,888	36,714	36,662
Cost of living benefits	3,787	16,741	20,528	20,929
Supplemental retirement benefits	315	2,018	2,333	2,726
Refunds	1,204	1,883	3,087	5,040
Administrative expenses	179	475	654	680
Transfers to affiliated systems	3,457	4,988	8,445	54,549
Total deductions	16,768	54,993	71,761	120,586
Increase (decrease) from operations	(23,620)	(78,818)	(102,438)	(84,095)
Net assets held in trust for pension benefits				
beginning of year	260,253	686,167	946,420	1,030,515
Net assets held in trust for pension				
benefits end of year	\$236,633	607,349	843,982	946,420

**Contributory Retirement System***Schedules of Funding Progress by Division*

(dollars in thousands)							
Division	Date	(1) Actuarial Value of Assets	(2) Actuarial Accrued Liability (AAL) Entry Age	(3) Unfunded AAL (UAAL) (2)-(1)	(4) Funding Ratios (1)/(2)	(5) Annual Covered Payroll	(6) UAAL as a % of Covered Payroll (3)/(5)
<b>Contributory</b>	1/01/93	\$209,020	254,884	45,864	82.0%	\$ 97,317	47.1%
<b>Local</b>	1/01/94	232,690	271,413	38,723	85.7	99,903	38.8
<b>Government</b>	1/01/95	247,291	298,280	50,989	82.9	97,715	52.2
	1/01/96	215,418	254,449	39,031	84.7	91,446	42.7
	1/01/97	191,393	218,534	27,141	87.6	54,829	49.5
	1/01/98	207,641	226,233	18,592	91.8	52,444	35.5
	1/01/99	219,415	232,061	12,646	94.6	52,448	24.1
	1/01/00	236,830	239,601	2,771	98.8	53,388	5.2
	1/01/01	253,681	256,676	2,995	98.8	56,007	5.3
	12/31/01	264,969	269,883	4,914	98.2	56,444	8.7
<b>Contributory State and School</b>	1/01/93	\$626,279	799,279	173,000	78.4%	\$188,866	91.6%
	1/01/94	679,027	827,749	148,722	82.0	193,930	76.7
	1/01/95	716,927	877,942	161,015	81.7	190,028	84.7
	1/01/96	636,616	737,925	101,309	86.3	170,239	59.5
	1/01/97	581,584	650,189	68,605	89.4	87,145	78.7
	1/01/98	601,747	654,266	52,519	92.0	85,787	61.2
	1/01/99	620,800	659,922	39,122	94.1	84,594	46.2
	1/01/00	641,360	654,883	13,523	97.9	84,173	16.1
	1/01/01	670,892	679,123	8,231	98.8	85,060	9.7
	12/31/01	680,754	692,152	11,398	98.4	86,438	13.2
<b>Total Contributory Retirement System</b>	1/01/93	\$835,299	1,054,163	218,864	79.2%	\$286,183	76.5%
	1/01/94	911,717	1,099,162	187,445	82.9	293,833	63.8
	1/01/95	964,218	1,176,222	212,004	82.0	287,743	73.7
	1/01/96	852,034	992,374	140,340	85.9	261,685	53.6
	1/01/97	772,977	868,723	95,746	89.0	141,974	67.4
	1/01/98	809,388	880,499	71,111	91.9	138,231	51.4
	1/01/99	840,215	891,983	51,768	94.2	137,042	37.8
	1/01/00	878,190	894,484	16,294	98.2	137,561	11.8
	1/01/01	924,573	935,799	11,226	98.8	141,067	8.0
	12/31/01	945,723	962,035	16,312	98.3	142,882	11.4

**Contributory Retirement System***Schedules of Employer Contributions by Division*

(dollars in thousands)

Division	Year Ended	Employer Contributions	
		Annual Required Contributions	Percentage Contributed
<b>Contributory</b>	1992	\$ 3,612	100%
<b>Local</b>	1993	3,427	100
<b>Government</b>	1994	4,200	100
	1995	4,329	100
	1996	3,009	100
	1997	3,332	100
	1998	3,393	100
	1999	3,530	100
	2000	3,524	100
	2001	2,926	100
<b>Contributory</b>	1992	\$15,530	100%
<b>State and</b>	1993	14,511	100
<b>School</b>	1994	14,519	100
	1995	13,394	100
	1996	7,215	100
	1997	7,319	100
	1998	7,336	100
	1999	7,310	100
	2000	6,960	100
	2001	5,554	100
<b>Total</b>	1992	\$19,142	100%
<b>Contributory</b>	1993	17,938	100
<b>Retirement</b>	1994	18,719	100
<b>System</b>	1995	17,723	100
	1996	10,224	100
	1997	10,651	100
	1998	10,729	100
	1999	10,840	100
	2000	10,484	100
	2001	8,480	100

# Noncontributory

## Retirement System

### Schedules of Plan Net Assets by Division

December 31, 2001

With Comparative Totals for December 31, 2000

(in thousands)

	Local Government	State and School	Total All Divisions	
			2001	2000
<b>Assets:</b>				
Cash	\$ 1	1	2	2
Receivables:				
Employer contributions	2,374	17,120	19,494	20,598
Investments	19,655	102,270	121,925	369,045
Total receivables	22,029	119,390	141,419	389,643
Investments at fair value:				
Short-term securities, domestic	68,085	354,268	422,353	414,649
Short-term securities, international	8,454	43,987	52,441	51,599
Debt securities, domestic	342,953	1,784,483	2,127,436	2,049,681
Debt securities, international	96,583	502,548	599,131	601,115
Equity investments, domestic	668,982	3,480,903	4,149,885	4,066,662
Equity investments, international	228,109	1,186,914	1,415,023	1,657,794
Alternative investments	86,001	447,486	533,487	822,370
Real estate	136,625	710,899	847,524	887,854
Mortgage loans	427	2,220	2,647	2,720
Total investments	1,636,219	8,513,708	10,149,927	10,554,444
Invested securities lending collateral	199,259	1,036,801	1,236,060	1,120,346
Property and equipment at cost, net of accumulated depreciation	700	3,640	4,340	4,519
Total assets	1,858,208	9,673,540	11,531,748	12,068,954
<b>Liabilities:</b>				
Securities lending liability	199,259	1,036,801	1,236,060	1,120,346
Disbursements in excess of cash balance	1,915	9,966	11,881	10,755
Insurance and post employment benefits reserve	6,161	32,058	38,219	40,142
Investment accounts payable	54,760	285,026	339,786	473,966
Total liabilities	262,095	1,363,851	1,625,946	1,645,209
Net assets held in trust for pension benefits	\$1,596,113	8,309,689	9,905,802	10,423,745

**Noncontributory Retirement System***Schedules of Changes in Plan Net Assets by Division*

Year Ended December 31, 2001

With Comparative Totals for Year Ended December 31, 2000

(in thousands)

	Local Government	State and School	Total All Divisions	
			2001	2000
<b>Additions:</b>				
Contributions:				
Member	\$ 2,532	8,437	10,969	11,518
Employer	54,274	277,677	331,951	352,339
Total contributions	56,806	286,114	342,920	363,857
Investment income:				
Net appreciation (depreciation) in fair value of investments	(132,734)	(693,451)	(826,185)	(121,582)
Interest, dividends and other investment income	47,992	250,727	298,719	324,500
Total investment income (loss)	(84,742)	(442,724)	(527,466)	202,918
Less investment expenses	2,793	14,589	17,382	16,131
Net investment income (loss)	(87,535)	(457,313)	(544,848)	186,787
Transfers from affiliated systems	4,056	1,199	5,255	51,020
Total additions	(26,673)	(170,000)	(196,673)	601,664
<b>Deductions:</b>				
Retirement benefits	37,447	227,655	265,102	236,377
Cost of living benefits	5,781	40,428	46,209	40,501
Refunds	732	2,532	3,264	5,292
Administrative expenses	1,059	5,636	6,695	6,850
Total deductions	45,019	276,251	321,270	289,020
Increase (decrease) from operations	(71,692)	(446,251)	(517,943)	312,644
Net assets held in trust for pension benefits				
beginning of year	1,667,805	8,755,940	10,423,745	10,111,101
Net assets held in trust for pension				
benefits end of year	\$1,596,113	8,309,689	9,905,802	10,423,745

**Noncontributory Retirement System***Schedules of Funding Progress by Division*

(dollars in thousands)							
Division	Date	(1) Actuarial Value of Assets	(2) Actuarial Accrued Liability (AAL) Entry Age	(3) Unfunded AAL (UAAL) (2)-(1)	(4) Funding Ratios (1)/(2)	(5) Annual Covered Payroll	(6) UAAL as a % of Covered Payroll (3)/(5)
<b>Noncontributory</b>	1/01/93	\$ 513,514	526,878	13,364	97.5%	\$ 243,372	5.5%
<b>Local</b>	1/01/94	591,167	587,087	(4,080)	100.7	265,872	(1.5)
<b>Government</b>	1/01/95	642,303	640,310	(1,993)	100.3	286,648	(0.7)
	1/01/96	779,728	812,952	33,224	95.9	324,541	10.2
	1/01/97	930,817	987,043	56,226	94.3	394,828	14.2
	1/01/98	1,083,991	1,101,505	17,514	98.4	443,169	4.0
	1/01/99	1,252,949	1,217,362	(35,587)	102.9	478,195	(7.4)
	1/01/00	1,470,043	1,342,091	(127,952)	109.5	511,311	(25.0)
	1/01/01	1,660,838	1,515,951	(144,887)	109.6	555,112	(26.1)
	12/31/01	1,785,998	1,657,673	(128,325)	107.7	583,682	(22.0)
<b>Noncontributory</b>	1/01/93	\$2,967,068	3,659,865	692,797	81.1%	\$1,138,470	60.9%
<b>State and</b>	1/01/94	3,447,953	4,037,428	589,475	85.4	1,211,348	48.7
<b>School</b>	1/01/95	3,729,887	4,565,563	835,676	81.7	1,355,475	61.7
	1/01/96	4,356,854	5,219,460	862,606	83.5	1,477,407	58.4
	1/01/97	5,038,996	5,930,915	891,919	85.0	1,660,051	53.7
	1/01/98	5,838,592	6,552,830	714,238	89.1	1,757,819	40.6
	1/01/99	6,678,244	7,118,369	440,125	93.8	1,887,455	23.3
	1/01/00	7,767,404	7,664,217	(103,187)	101.3	1,987,776	(5.2)
	1/01/01	8,700,495	8,417,563	(282,932)	103.4	2,104,088	(13.4)
	12/31/01	9,300,136	9,071,081	(229,055)	102.5	2,248,378	(10.2)
<b>Total</b>	1/01/93	\$3,480,582	4,186,743	706,161	83.1%	\$1,381,842	51.1%
<b>Noncontributory</b>	1/01/94	4,039,120	4,624,515	585,395	87.3	1,477,220	39.6
<b>Retirement</b>	1/01/95	4,372,190	5,205,873	833,683	84.0	1,642,123	50.8
<b>System</b>	1/01/96	5,136,582	6,032,412	895,830	85.1	1,801,948	49.7
	1/01/97	5,969,813	6,917,958	948,145	86.3	2,054,879	46.1
	1/01/98	6,922,583	7,654,335	731,752	90.4	2,200,988	33.2
	1/01/99	7,931,193	8,335,731	404,538	95.1	2,365,650	17.1
	1/01/00	9,237,447	9,006,308	(231,139)	102.6	2,499,087	(9.2)
	1/01/01	10,361,333	9,933,514	(427,819)	104.3	2,659,200	(16.1)
	12/31/01	11,086,134	10,728,754	(357,380)	103.3	2,832,060	(12.6)



**Noncontributory Retirement System***Schedules of Employer Contributions by Division*

(dollars in thousands)

Division	Year Ended	Employer Contributions	
		Annual Required Contributions	Percentage Contributed
<b>Noncontributory</b>	1992	\$ 17,715	100%
<b>Local</b>	1993	18,983	100
<b>Government</b>	1994	23,214	100
	1995	28,014	100
	1996	37,215	100
	1997	46,053	100
	1998	50,947	100
	1999	55,110	100
	2000	58,626	100
	2001	54,274	100
<b>Noncontributory</b>	1992	\$153,790	100%
<b>State and</b>	1993	155,244	100
<b>School</b>	1994	170,988	100
	1995	192,941	100
	1996	222,853	100
	1997	248,884	100
	1998	267,688	100
	1999	283,594	100
	2000	293,713	100
	2001	277,677	100
<b>Total</b>	1992	\$171,505	100%
<b>Noncontributory</b>	1993	174,227	100
<b>Retirement</b>	1994	194,202	100
<b>System</b>	1995	220,955	100
	1996	260,068	100
	1997	294,937	100
	1998	318,635	100
	1999	338,704	100
	2000	352,339	100
	2001	331,951	100

# Public Safety

## Retirement System

### Schedules of Plan Net Assets by Division

December 31, 2001

With Comparative Totals for December 31, 2000

	(in thousands)		
	State of Utah Public Safety	Other Division A (with Social Security)	Salt Lake City
<b>Assets:</b>			
Cash	\$ 2	2	2
Receivables:			
Member contributions	5	129	1
Employer contributions	678	775	221
Investments	5,522	6,209	1,484
Total receivables	6,205	7,113	1,706
Investments at fair value:			
Short-term securities, domestic	19,130	21,508	5,141
Short-term securities, international	2,375	2,671	638
Debt securities, domestic	96,360	108,340	25,897
Debt securities, international	27,137	30,511	7,293
Equity investments, domestic	187,964	211,333	50,517
Equity investments, international	64,092	72,060	17,225
Alternative investments	24,164	27,168	6,494
Real estate	38,388	43,160	10,317
Mortgage loans	120	135	32
Total investments	459,730	516,886	123,554
Invested securities lending collateral	55,986	62,947	15,047
Property and equipment at cost, net of accumulated depreciation	197	221	53
Total assets	522,120	587,169	140,362
<b>Liabilities:</b>			
Securities lending liability	55,986	62,947	15,047
Disbursements in excess of cash balance	538	605	145
Insurance and post employment benefits reserve	1,731	1,946	465
Investment accounts payable	15,386	17,299	4,135
Total liabilities	73,641	82,797	19,792
Net assets held in trust for pension benefits	\$448,479	504,372	120,570

Ogden	Provo	Logan	Bountiful	Other Division B (without Social Security)	Total All Divisions	
					2001	2000
2	1	1	2	2	14	14
—	—	—	—	43	178	201
—	—	—	11	88	1,773	1,999
446	260	147	123	952	15,143	45,900
446	260	147	134	1,083	17,094	48,100
1,545	899	511	425	3,299	52,458	51,572
192	112	63	53	410	6,514	6,417
7,782	4,530	2,572	2,140	16,616	264,237	254,920
2,191	1,276	724	603	4,679	74,414	74,761
15,179	8,836	5,018	4,175	32,412	515,434	505,772
5,176	3,013	1,711	1,424	11,052	175,753	206,179
1,951	1,136	645	537	4,167	66,262	102,277
3,100	1,804	1,025	853	6,620	105,267	110,423
10	6	3	3	21	330	339
37,126	21,612	12,272	10,213	79,276	1,260,669	1,312,660
4,521	2,632	1,495	1,244	9,654	153,526	139,338
16	9	5	4	34	539	562
42,111	24,514	13,920	11,597	90,049	1,431,842	1,500,674
4,521	2,632	1,495	1,244	9,654	153,526	139,338
43	25	14	12	93	1,475	1,338
140	81	46	38	299	4,746	4,991
1,243	723	411	342	2,653	42,192	58,929
5,947	3,461	1,966	1,636	12,699	201,939	204,596
36,164	21,053	11,954	9,961	77,350	1,229,903	1,296,078

**Public Safety Retirement System***Schedules of Changes in Plan Net Assets by Division*

Year Ended December 31, 2001

With Comparative Totals for Year Ended December 31, 2000

	(in thousands)		
	State of Utah Public Safety	Other Division A (with Social Security)	Salt Lake City
<b>Additions:</b>			
Contributions:			
Member	\$ 250	2,039	20
Employer	17,990	16,326	6,052
Total contributions	18,240	18,365	6,072
Investment income:			
Net appreciation (depreciation) in fair value of investments	(37,466)	(42,043)	(10,129)
Interest, dividends and other investment income	13,546	15,201	3,662
Total investment income (loss)	(23,920)	(26,842)	(6,467)
Less investment expenses	788	885	213
Net investment income (loss)	(24,708)	(27,727)	(6,680)
Transfers from affiliated systems	597	1,139	243
Total additions	(5,871)	(8,223)	(365)
<b>Deductions:</b>			
Retirement benefits	15,747	14,652	6,249
Cost of living benefits	2,712	2,014	1,426
Supplemental retirement benefits	387	201	87
Refunds	21	328	33
Administrative expenses	316	315	104
Total deductions	19,183	17,510	7,899
Increase (decrease) from operations	(25,054)	(25,733)	(8,264)
Net assets held in trust for pension benefits beginning of year	473,533	530,105	128,834
Net assets held in trust for pension benefits end of year	\$448,479	504,372	120,570

Ogden	Provo	Logan	Bountiful	Other Division B (without Social Security)	Total All Divisions	
					2001	2000
13	591	245	—	818	3,976	4,132
1,070	485	109	320	3,761	46,113	49,353
1,083	1,076	354	320	4,579	50,089	53,485
(3,056)	(1,758)	(997)	(832)	(6,354)	(102,635)	(15,115)
1,105	635	360	301	2,297	37,107	40,346
(1,951)	(1,123)	(637)	(531)	(4,057)	(65,528)	25,231
64	37	21	18	134	2,160	2,005
(2,015)	(1,160)	(658)	(549)	(4,191)	(67,688)	23,226
55	27	53	10	(708)	1,416	2,027
(877)	(57)	(251)	(219)	(320)	(16,183)	78,738
1,623	749	283	278	1,503	41,084	35,900
281	188	52	51	77	6,801	6,105
27	13	2	5	—	722	764
—	119	—	—	41	542	971
27	16	8	7	50	843	840
1,958	1,085	345	341	1,671	49,992	44,580
(2,835)	(1,142)	(596)	(560)	(1,991)	(66,175)	34,158
38,999	22,195	12,550	10,521	79,341	1,296,078	1,261,920
36,164	21,053	11,954	9,961	77,350	1,229,903	1,296,078

**Public Safety Retirement System***Schedules of Funding Progress by Division*

(dollars in thousands)

Division	Date	(1) Actuarial Value of Assets	(2) Actuarial Accrued Liability (AAL) Entry Age	(3) Unfunded AAL (UAAL) (2)-(1)	(4) Funding Ratios (1)/(2)	(5) Annual Covered Payroll	(6) UAAL as a % of Covered Payroll (3)/(5)
<b>Public Safety State of Utah</b>	1/01/93	\$178,409	214,757	36,348	83.1%	\$43,715	83.1%
	1/01/94	204,170	245,379	41,209	83.2	52,803	78.0
	1/01/95	219,963	268,672	48,709	81.9	56,174	86.7
	1/01/96	246,859	296,811	49,952	83.2	57,193	87.3
	1/01/97	278,328	334,751	56,423	83.1	64,857	87.0
	1/01/98	318,711	363,551	44,840	87.7	69,652	64.4
	1/01/99	363,057	391,061	28,004	92.8	74,094	37.8
	1/01/00	419,682	415,815	(3,867)	100.9	77,352	(5.0)
	1/01/01	470,153	452,131	(18,022)	104.0	83,674	(21.5)
	12/31/01	501,970	487,233	(14,737)	103.0	88,523	(16.6)
<b>Public Safety Other Division A (with Social Security)</b>	1/01/93	\$197,574	187,752	(9,822)	105.2%	\$45,614	(21.5)%
	1/01/94	225,842	213,216	(12,626)	105.9	54,192	(23.3)
	1/01/95	242,135	239,066	(3,069)	101.3	57,909	(5.3)
	1/01/96	272,119	272,849	730	99.7	64,802	1.1
	1/01/97	306,419	311,406	4,987	98.4	71,915	6.9
	1/01/98	352,448	344,437	(8,011)	102.3	79,944	(10.0)
	1/01/99	402,408	380,864	(21,544)	105.7	89,257	(24.1)
	1/01/00	467,856	407,837	(60,019)	114.7	97,056	(61.8)
	1/01/01	526,386	450,645	(75,741)	116.8	109,941	(68.9)
	12/31/01	564,325	492,688	(71,637)	114.5	115,482	(62.0)
<b>Public Safety Salt Lake City</b>	1/01/93	\$ 56,930	94,811	37,881	60.0%	\$11,565	327.5%
	1/01/94	63,359	100,095	36,736	63.3	11,116	330.5
	1/01/95	66,034	106,419	40,385	62.1	12,387	326.0
	1/01/96	72,889	114,732	41,843	63.5	13,787	303.5
	1/01/97	80,299	120,767	40,468	66.5	13,804	293.2
	1/01/98	90,670	130,903	40,233	69.3	16,069	250.4
	1/01/99	101,349	136,236	34,887	74.4	16,355	213.3
	1/01/00	115,568	143,223	27,655	80.7	17,224	160.6
	1/01/00	127,803	148,910	21,107	85.8	17,883	118.0
	12/31/01	135,031	156,721	21,690	86.2	18,579	116.7
<b>Public Safety Ogden</b>	1/01/93	\$ 16,767	21,781	5,014	77.0%	\$ 3,844	130.4%
	1/01/94	19,148	24,542	5,394	78.0	3,254	165.8
	1/01/95	20,375	26,990	6,615	75.5	3,464	191.0
	1/01/96	22,461	27,287	4,826	82.3	3,442	140.2
	1/01/97	24,767	30,598	5,831	80.9	3,629	160.7
	1/01/98	27,838	31,691	3,853	87.8	3,899	98.8
	1/01/99	31,038	34,191	3,153	90.8	4,126	76.4
	1/01/00	35,220	36,839	1,619	95.6	4,442	36.4
	1/01/01	38,652	38,128	(524)	101.4	4,513	(11.6)
	12/31/01	40,505	40,160	(345)	100.9	4,763	(7.2)
<b>Public Safety Provo</b>	1/01/93	\$ 8,777	12,486	3,709	70.3%	\$ 2,092	177.3%
	1/01/94	9,837	13,339	3,502	73.7	2,304	152.0
	1/01/95	10,416	14,397	3,981	72.3	2,608	152.6
	1/01/96	11,597	15,800	4,203	73.4	2,750	152.8
	1/01/97	12,955	17,344	4,389	74.7	3,160	138.9
	1/01/98	14,904	18,311	3,407	81.4	3,532	96.5
	1/01/99	16,906	20,036	3,130	84.4	3,740	83.7
	1/01/00	19,601	21,478	1,877	91.3	4,069	46.1
	1/01/01	22,045	23,608	1,563	93.4	4,446	35.2
	12/31/01	23,568	25,320	1,752	93.1	4,365	40.1

**Public Safety Retirement System***Schedules of Funding Progress by Division (Continued)*

(dollars in thousands)

Division	Date	(1) Actuarial Value of Assets	(2) Actuarial Liability (AAL) Entry Age	(3) Unfunded AAL (UAAL) (2)-(1)	(4) Funding Ratios (1)/(2)	(5) Annual Covered Payroll	(6) UAAL as a % of Covered Payroll (3)/(5)
<b>Public Safety Logan</b>	1/01/93	\$ 4,783	5,475	692	87.4%	\$ 1,064	65.0%
	1/01/94	5,489	5,585	96	98.3	1,667	5.8
	1/01/95	5,912	5,929	17	99.7	1,213	1.4
	1/01/96	6,590	6,639	49	99.3	1,354	3.6
	1/01/97	7,352	7,749	397	94.9	1,500	26.5
	1/01/98	8,397	8,358	(39)	100.5	1,671	(2.3)
	1/01/99	9,542	9,066	(476)	105.3	1,800	(26.4)
	1/01/00	11,086	9,898	(1,188)	112.0	2,019	(58.8)
	1/01/01	12,462	11,221	(1,241)	111.1	2,131	(58.2)
	12/31/01	13,375	12,259	(1,116)	109.1	2,199	(50.8)
<b>Public Safety Bountiful</b>	1/01/93	\$ 4,358	4,601	243	94.7%	\$ 990	24.5%
	1/01/94	4,925	5,346	421	92.1	1,112	37.9
	1/01/95	5,250	5,717	467	91.8	1,109	42.1
	1/01/96	5,847	6,524	677	89.6	1,100	61.5
	1/01/97	6,500	7,607	1,107	85.4	1,167	94.9
	1/01/98	7,402	8,310	908	89.1	1,246	72.9
	1/01/99	8,157	8,959	802	91.0	1,327	60.4
	1/01/00	9,369	9,444	75	99.2	1,384	5.4
	1/01/01	10,439	10,101	(338)	103.3	1,442	(23.4)
	12/31/01	11,148	10,867	(281)	102.6	1,518	(18.5)
<b>Public Safety Division B (without Social Security)</b>	1/01/93	\$ 18,263	16,001	(2,262)	114.1%	\$ 12,020	(18.8)%
	1/01/94	22,744	19,856	(2,888)	114.5	12,506	(23.1)
	1/01/95	26,807	23,917	(2,890)	112.1	13,927	(20.8)
	1/01/96	32,248	30,508	(1,740)	105.7	15,515	(11.2)
	1/01/97	38,486	36,282	(2,204)	106.1	16,947	(13.0)
	1/01/98	46,781	46,539	(242)	100.5	19,451	(1.2)
	1/01/99	56,343	53,734	(2,609)	104.9	21,715	(12.0)
	1/01/00	67,949	60,632	(7,317)	112.1	22,511	(32.5)
	1/01/01	79,056	72,132	(6,924)	109.6	23,955	(28.9)
	12/31/01	86,544	80,655	(5,889)	107.3	25,354	(23.2)
<b>Total Public Safety Retirement System</b>	1/01/93	\$ 485,861	557,664	71,803	87.1%	\$120,904	59.4%
	1/01/94	555,514	627,358	71,844	88.5	138,954	51.7
	1/01/95	596,892	691,107	94,215	86.4	148,791	63.3
	1/01/96	670,610	771,150	100,540	87.0	159,943	62.9
	1/01/97	755,106	866,504	111,398	87.1	176,979	62.9
	1/01/98	867,151	952,100	84,949	91.1	195,464	43.5
	1/01/99	988,800	1,034,147	45,347	95.6	212,414	21.3
	1/01/00	1,146,331	1,105,166	(41,165)	103.7	226,057	(18.2)
	1/01/01	1,286,996	1,206,876	(80,120)	106.6	247,985	(32.3)
	12/31/01	1,376,466	1,305,903	(70,563)	105.4	260,783	(27.1)

**Public Safety Retirement System***Schedules of Employer Contributions by Division*

(dollars in thousands)

Division	Year Ended	Employer Contributions	
		Annual Required Contributions	Percentage Contributed
<b>Public Safety State of Utah</b>	1992	\$ 8,855	100%
	1993	8,205	100
	1994	8,907	100
	1995	10,670	100
	1996	12,938	100
	1997	14,310	100
	1998	16,515	100
	1999	17,888	100
	2000	19,250	100
	2001	17,990	100
<b>Public Safety Other Division A (with Social Security)</b>	1992	\$ 4,984	100%
	1993	3,809	100
	1994	4,503	100
	1995	7,101	100
	1996	8,860	100
	1997	10,755	100
	1998	13,448	100
	1999	15,611	100
	2000	17,700	100
	2001	16,326	100
<b>Public Safety Salt Lake City</b>	1992	\$ 3,582	100%
	1993	3,307	100
	1994	3,755	100
	1995	4,363	100
	1996	4,359	100
	1997	5,222	100
	1998	5,482	100
	1999	5,986	100
	2000	6,286	100
	2001	6,052	100
<b>Public Safety Ogden</b>	1992	\$ 423	100%
	1993	369	100
	1994	352	100
	1995	689	100
	1996	792	100
	1997	899	100
	1998	1,003	100
	1999	1,133	100
	2000	1,122	100
	2001	1,070	100
<b>Public Safety Provo</b>	1992	\$ 319	100%
	1993	240	100
	1994	273	100
	1995	303	100
	1996	341	100
	1997	423	100
	1998	479	100
	1999	537	100
	2000	562	100
	2001	485	100



**Public Safety Retirement System***Schedules of Employer Contributions by Division (Continued)*

(dollars in thousands)

Division	Year Ended	Employer Contributions	
		Annual Required Contributions	Percentage Contributed
<b>Public Safety Logan</b>	1992	\$ 121	100%
	1993	100	100
	1994	94	100
	1995	82	100
	1996	72	100
	1997	96	100
	1998	131	100
	1999	162	100
	2000	162	100
	2001	109	100
<b>Public Safety Bountiful</b>	1992	\$ 127	100%
	1993	130	100
	1994	149	100
	1995	179	100
	1996	203	100
	1997	230	100
	1998	277	100
	1999	320	100
	2000	340	100
	2001	320	100
<b>Public Safety Division B (without Social Security)</b>	1992	\$ 1,030	100%
	1993	800	100
	1994	862	100
	1995	1,345	100
	1996	1,706	100
	1997	2,282	100
	1998	2,764	100
	1999	3,473	100
	2000	3,931	100
	2001	3,761	100
<b>Total Public Safety Retirement System</b>	1992	\$19,441	100%
	1993	16,960	100
	1994	18,895	100
	1995	24,732	100
	1996	29,271	100
	1997	34,217	100
	1998	40,099	100
	1999	45,110	100
	2000	49,353	100
	2001	46,113	100

# Firefighters

## Retirement System

### Schedules of Plan Net Assets by Division

December 31, 2001

With Comparative Totals for December 31, 2000

(in thousands)

	Local Government	State and School	Total All Divisions	
			2001	2000
<b>Assets:</b>				
Cash	\$ 1	1	2	2
Receivables:				
Member contributions	22	219	241	396
Employer contributions	174	1,632	1,806	—
Fire insurance premiums	—	—	—	—
Investments	596	5,650	6,246	19,171
Total receivables	792	7,501	8,293	19,567
Investments at fair value:				
Short-term securities, domestic	2,066	19,572	21,638	21,540
Short-term securities, international	257	2,430	2,687	2,680
Debt securities, domestic	10,408	98,588	108,996	106,477
Debt securities, international	2,931	27,765	30,696	31,227
Equity investments, domestic	20,302	192,312	212,614	211,254
Equity investments, international	6,923	65,574	72,497	86,119
Alternative investments	2,610	24,723	27,333	42,721
Real estate	4,146	39,276	43,422	46,122
Mortgage loans	13	123	136	141
Total investments	49,656	470,363	520,019	548,281
Invested securities lending collateral	6,047	57,281	63,328	58,200
Property and equipment at cost, net of accumulated depreciation	21	201	222	234
Total assets	56,517	535,347	591,864	626,284
<b>Liabilities:</b>				
Securities lending liability	6,047	57,281	63,328	58,200
Disbursements in excess of cash balance	58	551	609	559
Insurance and post employment benefits reserve	187	1,771	1,958	2,085
Investment accounts payable	1,662	15,742	17,404	24,618
Total liabilities	7,954	75,345	83,299	85,462
Net assets held in trust for pension benefits	\$48,563	460,002	508,565	540,822

**Firefighters Retirement System***Schedules of Changes in Plan Net Assets by Division*

Year Ended December 31, 2001

With Comparative Totals for Year Ended December 31, 2000

(in thousands)

	Local Government	State and School	Total All Divisions	
			2001	2000
<b>Additions:</b>				
Contributions:				
Member	\$ 1,183	6,366	7,549	9,617
Employer	—	—	—	140
Fire insurance premium tax	1,489	6,865	8,354	6,615
Total contributions	2,672	13,231	15,903	16,372
Investment income:				
Net appreciation (depreciation) in fair value of investments	(4,069)	(38,446)	(42,515)	(6,337)
Interest, dividends and other investment income	1,471	13,901	15,372	16,911
Total investment income (loss)	(2,598)	(24,545)	(27,143)	10,574
Less investment expenses	86	809	895	841
Net investment income (loss)	(2,684)	(25,354)	(28,038)	9,733
Transfers from affiliated systems	(15,654)	17,171	1,517	1,303
Total additions	(15,666)	5,048	(10,618)	27,408
<b>Deductions:</b>				
Retirement benefits	1,043	15,164	16,207	14,496
Cost of living benefits	201	3,574	3,775	3,403
Supplemental retirement benefits	46	750	796	839
Refunds	62	481	543	312
Administrative expenses	27	291	318	319
Total deductions	1,379	20,260	21,639	19,369
Increase (decrease) from operations	(17,045)	(15,212)	(32,257)	8,039
Net assets held in trust for pension benefits				
beginning of year	65,608	475,214	540,822	532,783
Net assets held in trust for pension				
benefits end of year	\$48,563	460,002	508,565	540,822

**Firefighters Retirement System***Schedules of Funding Progress by Division*

(dollars in thousands)							
Division	Date	(1) Actuarial Value of Assets	(2) Actuarial Accrued Liability (AAL) Entry Age	(3) Unfunded AAL (UAAL) (2)-(1)	(4) Funding Ratios (1)/(2)	(5) Annual Covered Payroll	(6) UAAL as a % of Covered Payroll (3)/(5)
<b>Firefighters</b>	1/01/93	\$ 21,570	17,367	(4,203)	124.2%	\$ 5,327	(78.9)%
<b>Division A</b>	1/01/94	25,213	20,326	(4,887)	124.0	5,682	(86.0)
<b>(with Social</b>	1/01/95	27,804	24,708	(3,096)	112.5	5,768	(53.7)
<b>Security)</b>	1/01/96	31,807	28,026	(3,781)	113.5	6,299	(60.0)
	1/01/97	36,473	32,138	(4,335)	113.5	7,032	(61.6)
	1/01/98	42,528	37,464	(5,064)	113.5	7,968	(63.6)
	1/01/99	48,851	40,479	(8,372)	120.7	9,375	(89.3)
	1/01/00	56,976	42,464	(14,512)	134.2	10,944	(132.6)
	1/01/01	49,688	38,955	(10,733)	127.6	9,733	(110.3)
	12/31/01	54,345	44,683	(9,662)	121.6	12,070	(80.0)
<b>Firefighters</b>	1/01/93	\$191,589	220,385	28,796	86.9%	\$31,190	92.3%
<b>Division B</b>	1/01/94	218,015	258,758	40,743	84.3	32,197	126.5
<b>(without Social</b>	1/01/95	233,719	282,751	49,032	82.7	34,389	142.6
<b>Security)</b>	1/01/96	262,009	305,406	43,397	85.8	36,728	118.2
	1/01/97	293,002	330,273	37,271	88.7	38,937	95.7
	1/01/98	333,650	347,511	13,861	96.0	43,319	32.0
	1/01/99	374,554	367,224	(7,330)	102.0	44,951	(16.3)
	1/01/00	426,398	376,693	(49,705)	113.2	46,617	(106.6)
	1/01/01	486,815	416,501	(70,314)	116.9	53,541	(131.3)
	12/31/01	514,806	446,648	(68,158)	115.3	55,122	(123.6)
<b>Total</b>	1/01/93	\$213,159	237,752	24,593	89.7%	\$36,517	67.3%
<b>Firefighters</b>	1/01/94	243,228	279,084	35,856	87.2	37,879	94.7
<b>Retirement</b>	1/01/95	261,523	307,459	45,936	85.1	40,157	114.4
<b>System</b>	1/01/96	293,816	333,432	39,616	88.1	43,027	92.1
	1/01/97	329,475	362,411	32,936	90.9	45,969	71.6
	1/01/98	376,178	384,975	8,797	97.7	51,287	17.2
	1/01/99	423,405	407,703	(15,702)	103.9	54,326	(28.9)
	1/01/00	483,374	419,157	(64,217)	115.3	57,561	(111.6)
	1/01/01	536,503	455,456	(81,047)	117.8	63,274	(128.1)
	12/31/01	569,151	491,331	(77,820)	115.8	67,192	(115.8)

**Firefighters Retirement System***Schedules of Employer Contributions by Division*

(dollars in thousands)

Division	Year Ended	Employer Contributions	
		Annual Required Contributions	Percentage Contributed
<b>Firefighters</b>	1992	\$ 204	100%
<b>Division A</b>	1993	394	100
<b>(with Social Security)</b>	1994	499	100
	1995	697	100
	1996	651	100
	1997	691	100
	1998	758	100
	1999	813	100
	2000	1,290	100
	2001	1,489	100
<b>Firefighters</b>	1992	\$4,205	100%
<b>Division B</b>	1993	4,566	100
<b>(without Social Security)</b>	1994	4,999	100
	1995	5,850	100
	1996	5,684	100
	1997	6,697	100
	1998	6,179	100
	1999	4,924	100
	2000	5,465	100
	2001	6,865	100
<b>Total</b>	1992	\$4,409	100%
<b>Firefighters</b>	1993	4,960	100
<b>Retirement</b>	1994	5,498	100
<b>System</b>	1995	6,547	100
	1996	6,335	100
	1997	7,388	100
	1998	6,937	100
	1999	5,737	100
	2000	6,755	100
	2001	8,354	100

# 401(k) Plan

## Schedules of Plan Net Assets by Investment Fund

December 31, 2001

With Comparative Totals for December 31, 2000

(dollars in thousands)

	Income Fund	Group Annuity Fund	Member Loan Fund	Bond Fund	Balanced Fund	Large Cap Stock Value Fund
<b>Assets:</b>						
Cash	\$ 346	—	2	—	133	172
Receivables	—	—	23,877	—	—	—
Investments at fair value:						
Debt securities	348,422	—	—	46,300	—	—
Equity investments, domestic	—	—	—	—	218,227	14,267
Equity investments, international	—	—	—	—	—	—
Investment contracts	—	36,705	—	—	—	—
Total investments	348,422	36,705	23,879	46,300	218,227	14,267
Invested securities lending collateral	—	—	—	—	9,464	—
Total assets	348,768	36,705	23,879	46,300	227,824	14,439
<b>Liabilities:</b>						
Securities lending liability	—	—	—	—	9,464	—
Disbursements in excess of cash balance	—	4	—	166	—	—
Administrative expenses payable	261	8	—	10	46	3
Investment advisor fees payable	132	—	—	—	88	—
Total liabilities	393	12	—	176	9,598	3
Net assets held in trust for pension benefits	\$348,375	36,693	23,879	46,124	218,226	14,436

### 401(k) Plan

## Schedules of Changes in Plan Net Assets by Investment Fund

Year Ended December 31, 2001

With Comparative Totals for Year Ended December 31, 2000

(dollars in thousands)

	Income Fund	Group Annuity Fund	Member Loan Fund	Bond Fund	Balanced Fund	Large Cap Stock Value Fund
<b>Additions:</b>						
Member contributions	\$ 27,728	504	—	5,229	21,279	1,507
Investment Income:						
Net appreciation (depreciation) in fair value of investments	22,478	—	—	3,068	3,872	482
Investment contracts	—	2,269	1,945	—	—	—
Total investment income (loss)	22,478	2,269	1,945	3,068	3,872	482
Less investment expenses	504	—	—	—	361	—
Net investment income (loss)	21,974	2,269	1,945	3,068	3,511	482
Transfers (to) from affiliated funds	10,730	(1,258)	2,283	20,638	(12,611)	12,741
Total additions	60,432	1,515	4,228	28,935	12,179	14,730
<b>Expenditures:</b>						
Member refunds	17,682	2,267	1,014	1,540	9,001	270
Administrative expenses	917	93	113	94	541	24
Total deductions	18,599	2,360	1,127	1,634	9,542	294
Increase (decrease) from operations	41,833	(845)	3,101	27,301	2,637	14,436
Net assets held in trust for pension benefits beginning of the year	306,542	37,538	20,778	18,823	215,589	—
Net assets held in trust for pension benefits end of year	\$348,375	36,693	23,879	46,124	218,226	14,436

Large Cap Stock Index Fund	Large Cap Stock Growth Fund	Small Cap Stock Fund	International Fund	Short Horizon Fund	Medium Horizon Fund	Long Horizon Fund	Total	
							2001	2000
359	292	293	—	—	79	91	1,767	1,725
—	—	—	—	—	—	—	23,877	20,777
—	—	—	—	22,487	17,553	13,170	447,932	367,939
326,639	53,291	54,169	—	2,825	17,309	40,042	726,769	749,582
—	—	—	68,991	1,363	6,218	17,812	94,384	102,666
—	—	—	—	—	—	—	36,705	38,217
326,639	53,291	54,169	68,991	26,675	41,080	71,024	1,305,790	1,258,404
15,581	1,548	—	—	144	419	943	28,099	29,528
342,579	55,131	54,462	68,991	26,819	41,578	72,058	1,359,533	1,310,434
15,581	1,548	—	—	144	419	943	28,099	29,528
—	—	—	342	32	—	—	544	905
69	11	11	15	6	9	15	464	1,397
24	43	—	60	3	9	22	381	1,872
15,674	1,602	11	417	185	437	980	29,488	33,702
326,905	53,529	54,451	68,574	26,634	41,141	71,078	1,330,045	1,276,732

Large Cap Stock Index Fund	Large Cap Stock Growth Fund	Small Cap Stock Fund	International Fund	Short Horizon Fund	Medium Horizon Fund	Long Horizon Fund	Total	
							2001	2000
32,983	10,654	6,438	9,797	3,754	8,713	16,971	145,557	137,563
(44,693)	(12,995)	4,983	(12,312)	1,407	1	(3,058)	(36,767)	(56,673)
—	—	—	—	—	—	—	4,214	3,142
(44,693)	(12,995)	4,983	(12,312)	1,407	1	(3,058)	(32,553)	(53,531)
102	167	—	236	13	33	82	1,498	1,470
(44,795)	(13,162)	4,983	(12,548)	1,394	(32)	(3,140)	(34,051)	(55,001)
(27,189)	(5,983)	3,070	(8,341)	4,052	1,679	189	—	—
(39,001)	(8,491)	14,491	(11,092)	9,200	10,360	14,020	111,506	82,562
13,085	1,682	1,499	2,442	1,388	1,283	1,666	54,819	61,898
851	133	115	178	59	93	163	3,374	3,373
13,936	1,815	1,614	2,620	1,447	1,376	1,829	58,193	65,271
(52,937)	(10,306)	12,877	(13,712)	7,753	8,984	12,191	53,313	17,291
379,842	63,835	41,574	82,286	18,881	32,157	58,887	1,276,732	1,259,441
326,905	53,529	54,451	68,574	26,634	41,141	71,078	1,330,045	1,276,732

# 457 Plan

## Schedules of Plan Net Assets by Investment Fund

December 31, 2001

With Comparative Totals for December 31, 2000

(dollars in thousands)

	Income Fund	Group Annuity Fund	Bond Fund	Balanced Fund	Large Cap Stock Value Fund
<b>Assets:</b>					
Cash	\$ —	—	7	—	1
Investments at fair value:					
Debt securities	44,441	—	8,064	—	—
Equity investments, domestic	—	—	—	24,762	2,699
Equity investments, international	—	—	—	—	—
Investment contracts	—	25,913	—	—	—
Total investments	44,441	25,913	8,064	24,762	2,699
Invested securities lending collateral	—	—	—	1,074	—
Total assets	44,441	25,913	8,071	25,836	2,700
<b>Liabilities:</b>					
Securities lending liability	—	—	—	1,074	—
Disbursements in excess of cash balance	51	—	—	5	—
Administrative expenses payable	9	6	2	5	1
Investment advisor fees payable	17	—	—	10	—
Total liabilities	77	6	2	1,094	1
Net assets held in trust for pension benefits	\$44,364	25,907	8,069	24,742	2,699

### 457 Plan

## Schedules of Changes in Plan Net Assets by Investment Fund

Year Ended December 31, 2001

With Comparative Totals for Year Ended December 31, 2000

(dollars in thousands)

	Income Fund	Group Annuity Fund	Bond Fund	Balanced Fund	Large Cap Stock Value Fund
<b>Additions:</b>					
Member contributions	\$ 1,136	430	195	727	72
Investment Income:					
Net appreciation (depreciation) in fair value of investments	2,999	—	527	424	102
Investment contracts	—	1,646	—	—	—
Total investment income (loss)	2,999	1,646	527	424	102
Less investment expenses	64	—	—	42	—
Net investment income (loss)	2,935	1,646	527	382	102
Transfers (to) from affiliated funds	3,893	(568)	4,229	(2,174)	2,637
Total additions	7,964	1,508	4,951	(1,065)	2,811
<b>Expenditures:</b>					
Member refunds	3,905	3,515	501	2,108	107
Administrative expenses	104	67	17	63	5
Total deductions	4,009	3,582	518	2,171	112
Net Increase (decrease) from operations	3,955	(2,074)	4,433	(3,236)	2,699
Net assets held in trust for pension benefits beginning of the year	40,409	27,981	3,636	27,978	—
Net assets held in trust for pension benefits end of year	\$44,364	25,907	8,069	24,742	2,699



Large Cap Stock Index Fund	Large Cap Stock Growth Fund	Small Cap Stock Fund	International Fund	Short Horizon Fund	Medium Horizon Fund	Long Horizon Fund	Total	
							2001	2000
17	293	—	—	3	5	9	335	555
—	—	—	—	5,225	2,439	1,073	61,242	50,907
52,555	6,846	8,896	—	656	2,405	3,263	102,082	122,913
—	—	—	7,677	317	864	1,451	10,309	14,122
—	—	—	—	—	—	—	25,913	28,485
52,555	6,846	8,896	7,677	6,198	5,708	5,787	199,546	216,427
2,507	199	—	—	23	63	146	4,012	4,940
55,079	7,338	8,896	7,677	6,224	5,776	5,942	203,893	221,922
2,507	199	—	—	23	63	146	4,012	4,940
—	—	147	70	—	—	—	273	514
11	1	2	2	1	1	1	42	248
4	6	—	7	1	1	2	48	615
2,522	206	149	79	25	65	149	4,375	6,317
52,557	7,132	8,747	7,598	6,199	5,711	5,793	199,518	215,605

Large Cap Stock Index Fund	Large Cap Stock Growth Fund	Small Cap Stock Fund	International Fund	Short Horizon Fund	Medium Horizon Fund	Long Horizon Fund	Total	
							2001	2000
1,266	441	271	313	191	345	548	5,935	5,983
(8,092)	(2,055)	745	(1,479)	345	(35)	(334)	(6,853)	(10,652)
—	—	—	—	—	—	—	1,646	1,822
(8,092)	(2,055)	745	(1,479)	345	(35)	(334)	(5,207)	(8,830)
17	23	—	27	3	5	7	188	231
(8,109)	(2,078)	745	(1,506)	342	(40)	(341)	(5,395)	(9,061)
(6,832)	(1,917)	933	(1,819)	1,468	237	(87)	—	—
(13,675)	(3,554)	1,949	(3,012)	2,001	542	120	540	(3,078)
3,905	313	429	455	346	412	133	16,129	15,747
141	18	20	21	14	14	14	498	558
4,046	331	449	476	360	426	147	16,627	16,305
(17,721)	(3,885)	1,500	(3,488)	1,641	116	(27)	(16,087)	(19,383)
70,278	11,017	7,247	11,086	4,558	5,595	5,820	215,605	234,988
52,557	7,132	8,747	7,598	6,199	5,711	5,793	199,518	215,605

## Schedules of Administrative and Investment Expenses

Year Ended December 31, 2001

(in thousands)

	Defined Benefit Pension Plans	Investments	401(k) and 457 Plans	Total
<b>Personal services:</b>				
Salaries and wages	\$3,391	918	1,972	6,281
Employee benefits	1,281	294	750	2,325
<b>Total personal services</b>	<b>4,672</b>	<b>1,212</b>	<b>2,722</b>	<b>8,606</b>
<b>Professional services:</b>				
Audit	67	—	15	82
Actuarial services	139	—	—	139
General counsel	496	5	6	507
Banking services	48	—	37	85
Security handling expense	—	1,427	155	1,582
Investment advisor fees	—	19,231	1,686	20,917
Other consulting services	41	—	3	44
<b>Total professional services</b>	<b>791</b>	<b>20,663</b>	<b>1,902</b>	<b>23,356</b>
<b>Communications:</b>				
Telephone	283	23	48	354
Postage	161	—	111	272
<b>Total communications</b>	<b>444</b>	<b>23</b>	<b>159</b>	<b>626</b>
<b>Rentals:</b>				
Office space	699	69	100	868
Office equipment rental	9	—	—	9
Data processing equipment	168	—	—	168
<b>Total rentals</b>	<b>876</b>	<b>69</b>	<b>100</b>	<b>1,045</b>
<b>Miscellaneous:</b>				
Data processing	169	108	441	718
Travel	131	44	35	210
Contractual services	435	1	146	582
Supplies and maintenance	115	4	—	119
Insurance and bonding premiums	154	—	6	160
Subscription expense	9	1	2	12
Office supplies	181	—	34	215
Other	146	—	11	157
Depreciation expense	445	—	—	445
<b>Total miscellaneous</b>	<b>1,785</b>	<b>158</b>	<b>675</b>	<b>2,618</b>
<b>Total administrative expenses</b>	<b>\$8,568</b>	<b>22,125</b>	<b>5,558</b>	<b>36,251</b>
<b>Allocation of administrative expenses:</b>				
Contributory Retirement System	\$ 654	—	—	654
Noncontributory Retirement System	6,695	—	—	6,695
Public Safety Retirement System	843	—	—	843
Firefighters Retirement System	318	—	—	318
Judges Retirement System	52	—	—	52
Governors and Legislative Pension Plan	6	—	—	6
401(k) Plan	—	—	3,374	3,374
457 Plan	—	—	498	498
<b>Total administrative expenses</b>	<b>8,568</b>	<b>—</b>	<b>3,872</b>	<b>12,440</b>
Investment administrative expense	—	2,894	—	2,894
<b>Investment advisor fees:</b>				
Investments	—	19,231	—	19,231
401(k) Plan	—	—	1,498	1,498
457 Plan	—	—	188	188
<b>Total investment advisor fees</b>	<b>—</b>	<b>19,231</b>	<b>1,686</b>	<b>20,917</b>
<b>Total administrative expense allocations</b>	<b>\$8,568</b>	<b>22,125</b>	<b>5,558</b>	<b>36,251</b>

# Investment *Section*

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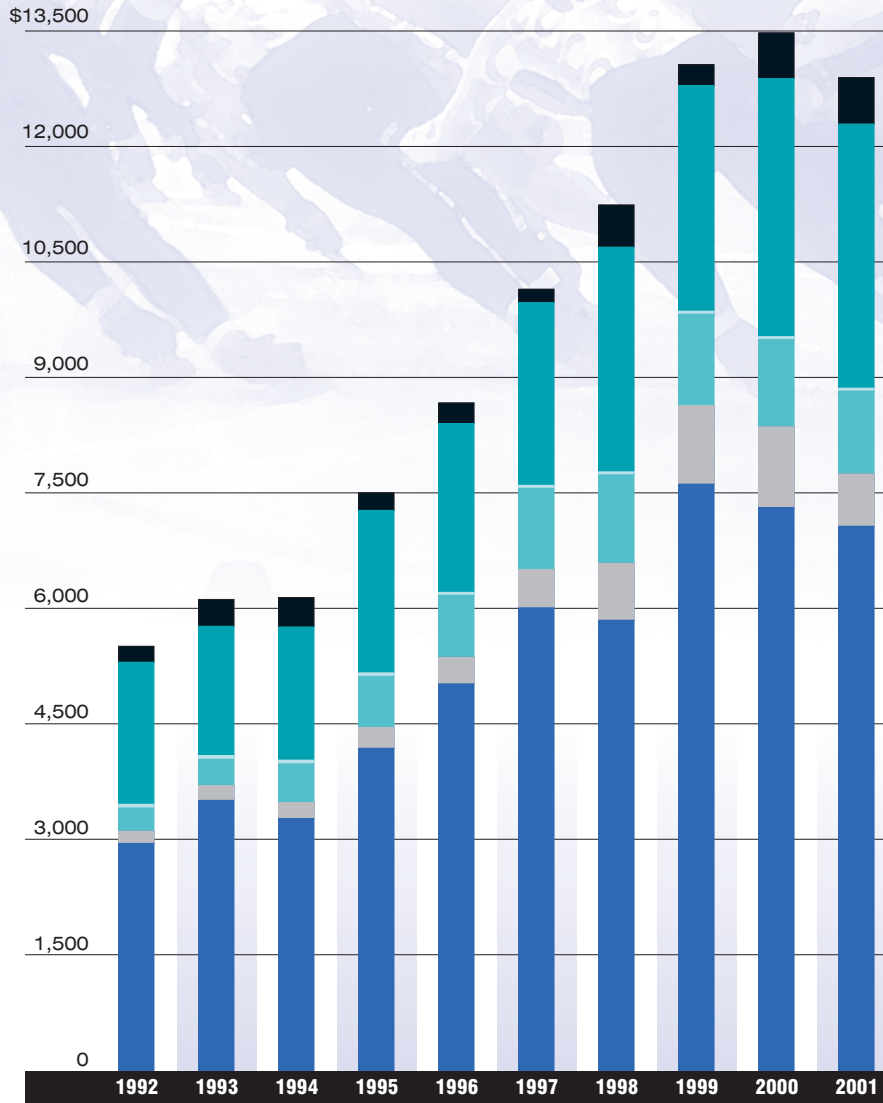
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All Retirement Systems

# Ten-Year Investment Comparison

(in millions)



(in millions)

Short-term Securities	\$ 206	348	380	231	269	174	548	273	595	603
Debt Securities	1,879	1,712	1,763	2,143	2,225	2,406	2,951	2,960	3,384	3,463
Mortgages	13	15	12	11	4	4	4	4	3	3
Real Estate	300	339	502	662	805	1,057	1,149	1,188	1,133	1,076
Alternative Investments	160	193	209	271	344	494	738	1,018	1,050	678
Equities	2,951	3,510	3,274	4,186	5,022	6,009	5,848	7,614	7,308	7,068
<b>Totals</b>	<b>\$5,059</b>	<b>6,117</b>	<b>6,140</b>	<b>7,504</b>	<b>8,669</b>	<b>10,144</b>	<b>11,238</b>	<b>13,057</b>	<b>13,473</b>	<b>12,892</b>

## Report on Investment Activity

UTAH STATE RETIREMENT BOARD

### UTAH RETIREMENT SYSTEMS

560 East 200 South  
Salt Lake City, Utah 84102-2021  
(801) 366-7700  
(800) 365-8772 TOLL FREE  
(801) 366-7734 FAX

ROBERT V. NEWMAN  
EXECUTIVE DIRECTOR

February 28, 2002

Utah State Retirement Board  
560 East 200 South  
Salt Lake City, UT 84102-2021

Dear Members of the Utah Retirement Systems:

We have just concluded what has been a very difficult year. The U.S. economy fell into recession for the first time in ten years. Consequently, corporate profits experienced their worst decline since the early 1930s. These events took a heavy toll on equity markets around the world. The Standard and Poors 500 index declined 11.9% for the year while the NASDAQ market fell by 21.3%. This is the first time since 1973-74 that the Standard and Poors 500 index has suffered a decline in value two years in a row. Other major equity markets around the world did not fare any better: Japan lost over 33.0% in U.S. dollars, Germany lost over 24.0% in U.S. dollars, and the United Kingdom lost over 18.0% in U.S. dollars.

During times such as these it is important to keep a long-term perspective. While the last two years have been painful to go through, they are not unprecedented. There have been several other times when both the economy and the equity markets have experienced extended corrections. Inevitably, these painful periods correct the excesses that have built up in the economy and the stock market. This sets the stage for the next economic recovery and stock market expansion. Of course, it is impossible to predict where we are in this process at any particular point in time.

Unlike 2000 when the markets also produced negative returns and Utah Retirement Systems (Systems) achieved a positive return, the Systems experienced its first decline in value since 1973-74. The Systems declined in fair market value by 5.0%. This decline resulted in a decrease in the Systems' fair market value of \$860,000,000. This loss had a significant impact on the Systems' five-year return number reducing it to 7.5%. In spite of the setback experienced by the Systems in 2001, it is still financially strong.

The Systems' basic investment objective is to

achieve a total return that exceeds the actuarial assumption (8.0%) over rolling five-year periods. While the Systems dipped below this number for the most recent five-year period, it still exceeds the assumed 8.0% return at the ten-year mark having returned 9.4%. A second goal of the Systems is to produce returns comparable to other public systems. The Systems continues to be successful in this effort.

In order to assure the long-term success of the Systems and its ability to meet its obligations to employees and employers it is critical to maintain its focus. Recent events have not altered the Systems' philosophy of being a long-term investor. Trying to predict short-term market movements is a futile game. The Systems' assets are invested to produce satisfactory returns twenty to thirty years into the future. The best way to assure future success as individual investors and as an institutional investor is to formulate a sound strategy and stick with it. A sure-fire prescription for poor investment results is to panic and abandon such plans because of the most recent changes in the investing environment.

Utah Retirement Systems is committed to following a disciplined plan that will produce long-term success. The main determinant of that success is the Systems' asset allocation. The Systems has determined that the portfolio mix which has a high probability of meeting the Systems' long-term obligations is 58% equity investments, 26% fixed income investments, 9% real estate investments, and 7% alternative investments.

Through prudent planning and maintaining a long-term focus the Systems will weather the current turbulent times. The plan is positioned to participate in the inevitable growth that will occur in the U.S. and world economies. I look forward to the opportunities and challenges of the future.

Sincerely,



Richard L. Cherry  
Chief Investment Officer

## Defined Benefit Investments

### *Investment Highlights*

#### *Outline of Investment Policies*

**T**he governing body of the Retirement Systems (Systems) is the seven member Utah State Retirement Board. The Board is composed of the Utah State Treasurer, who serves as an ex-officio member, and six trustees who are appointed by the Governor. Four board members are appointed for their investment expertise, and two members are appointed to represent employee and employer interests.

The Board has statutory authority to pool pension assets in the Utah Retirement Investment Fund (Fund). Statutes also establish that this Fund shall be invested in accordance with the “prudent person rule”. The prudent person rule requires all members of the Board and investment staff to discharge their duties solely in the

interest of Systems’ participants and beneficiaries and with the care, skill, prudence and diligence which they would exercise in the conduct of their own affairs. To this end a Statement of Investment Policy and Performance Objectives has been created for the Fund and adopted by the Board. The purpose of this Statement is to:

- Outline the expected return and risk profile for the Fund;
- Establish the target asset allocation mix and acceptable rebalancing ranges;
- Describe plan and manager policies and objectives for performance evaluation;
- Communicate investment performance standards to investment managers.

The primary investment objectives are to preserve Fund assets and generate an appropriate level of risk-

#### *2001 Investment Summary*

(dollars in thousands)

	2001 Beginning Fair Value	Purchases	Sales and Redemptions	Increase (Decrease) in Fair Value	2001 Ending Fair Value	Percentage of Total Fair Value
Short-term securities, domestic	\$ 529,368	14,061,005	14,053,931	—	536,442	4.16%
Short-term securities, international	65,873	11,419,025	11,427,150	8,860	66,608	0.52
Debt securities, domestic	2,616,749	7,521,611	7,408,458	(27,780)	2,702,122	20.95
Debt securities, international	767,420	760,479	742,959	(23,965)	760,975	5.90
Equities, domestic	5,191,747	1,573,850	1,210,142	(284,556)	5,270,899	40.89
Equities, international	2,116,439	1,234,777	1,377,984	(175,966)	1,797,266	13.94
Alternative investments	1,049,887	61,009	31,817	(401,479)	677,600	5.26
Real estate	1,133,488	60,137	103,689	(13,467)	1,076,469	8.35
Mortgage loans	3,473	—	110	—	3,363	0.03
<b>Totals</b>	<b>\$13,474,444</b>	<b>36,691,893</b>	<b>36,356,240</b>	<b>(918,353)</b>	<b>12,891,744</b>	<b>100.00%</b>

## Defined Benefit Investments

### Investment Highlights

#### ASSET ALLOCATION AT FAIR VALUE

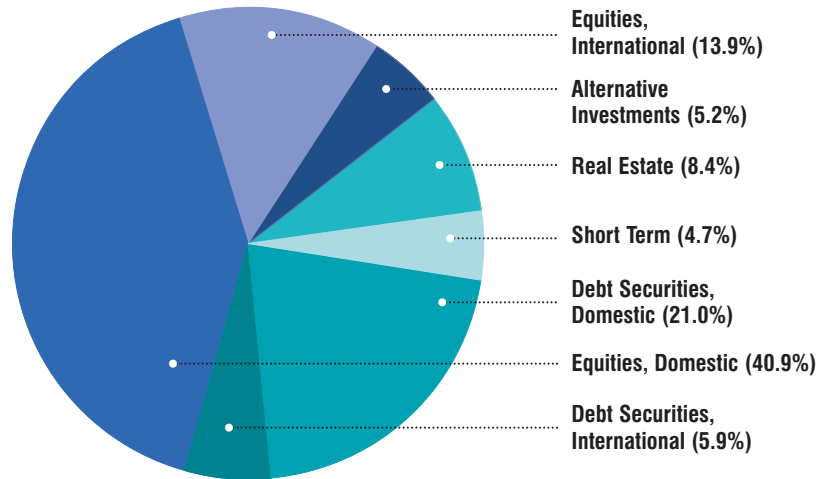
December 31, 2001

adjusted return to meet future pension obligations. The Systems periodically complete an asset allocation and liability study to determine the optimal portfolio diversification to meet those obligations.

The Systems' investment portfolio includes strategic, long-term commitments in the following asset classes: Domestic Equities, Domestic Debt Securities, International Equities, International Debt Securities, Real Estate, and Alternative Investments. Asset allocation is reviewed in conjunction with the plan liabilities at least every five years.

The Board's policy is to establish a long-term strategic asset allocation that mitigates overall expected portfolio risk (volatility) and maximizes expected return without unduly constraining the discretionary, tactical decision-making process of the investment managers.

To implement the asset allocation plan, the Executive Director, supported by the Board, staff and consultant, selects appropriate money management experts to invest the Fund assets. This selection process includes the creation of specific search criteria, completion and documentation of analysis and due diligence on potential candidates, and interviews completed by the staff and/or Board. It is not the staff or Board's intention to be involved with the day-to-day decisions made by external investment managers. Internal investment staff also manages segments of the portfolio.



#### ASSET ALLOCATION AT FAIR VALUE

	December 31,				
	1997	1998	1999	2000	2001
Debt Securities, Domestic	20.9%	16.2%	14.2%	19.5%	21.0%
Debt Securities, International	2.9	10.1	8.5	5.7	5.9
Equities, Domestic	42.2	36.9	38.0	38.5	40.9
Equities, International	17.0	15.1	20.3	15.7	13.9
Alternative Investments	4.9	6.6	7.8	7.8	5.2
Real Estate	10.4	10.2	9.1	8.4	8.4
Short-term Securities	1.7	4.9	2.1	4.4	4.7
<b>Total Portfolio</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

#### COMPARATIVE INVESTMENT RESULTS (1)(2)(3)

Year Ended December 31, 2001

Investment Category Comparative Index	1 Year	3 Year	5 Year
Domestic Equity <i>Domestic Equity Database</i>	(5.68)% (6.63)	3.72% 5.42	10.03% 11.81
International Equity <i>Non-U.S. Equity Database</i>	(15.67) (19.59)	(1.62) 0.25	0.22 3.64
Domestic Debt Securities <i>Domestic Fixed Database</i>	6.41 8.44	5.93 6.34	6.84 7.34
International Global Debt Securities <i>Non-U.S. Fixed Database</i>	(1.64) (0.47)	(1.33) (0.34)	1.86 2.91
Real Estate <i>CAI Real Estate Funds</i>	8.03 (1.45)	9.91 6.38	11.38 8.91
Alternative Investments <i>% Assumption</i>	(30.35) 15.00	8.96 15.00	10.10 15.00
Short Term Investments <i>Treasury Bills</i>	7.29 4.42	7.24 5.15	6.72 5.20
Utah Retirement Systems in Total <i>Callan Median Public Fund (4)</i>	(4.99) (4.08)	4.19 3.52	7.50 8.43
Inflation	2.80	2.97	2.44

(1) Callan Associates Inc.

(2) Total rates of return include cash income plus gains and losses due to changes in market value, whether realized or unrealized.

(3) Investment return calculations were prepared using a time-weighted return in accordance with the Performance Presentation Standards of the Association for Investment Management and Research (AIMR).

(4) Callan Median Public Funds Database.

**Defined Benefit Investments**

*Investment Highlights* (Continued)

All managers must act within the restrictions established by the investment guidelines put forth in the Statement of Investment Policy. All managers must acknowledge a co-fiduciary status to the Fund. All managers are expected to communicate with the staff at least quarterly.

Managers' portfolios are evaluated both against appropriate market indices and similar manager style groups. The investment policy outlines appropriate benchmarks.

Investment return calculations are prepared using a time-weighted rate of return based on Performance Presentation Standards of the Association for Investment Management and Research (AIMR).

**TEN-YEAR TOTAL PENSION INVESTMENT RATES OF RETURN**  
(dollars in millions)

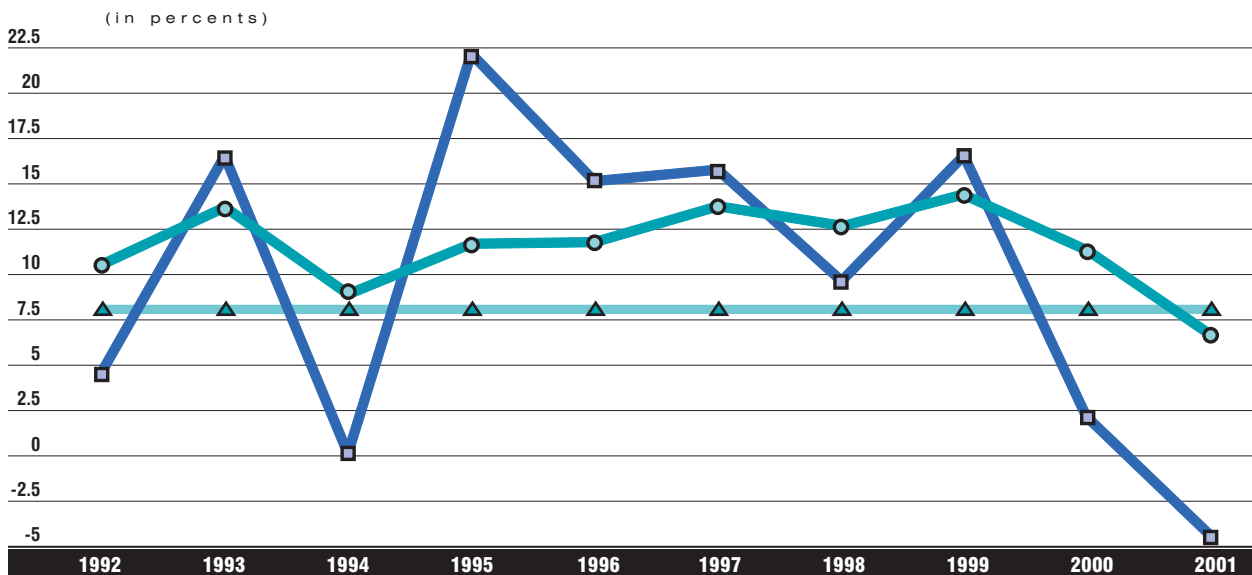
		(1) Smoothed Expected Investment Income	(2) Rate of Return on Fair Value	(3) Actuarial Assumed Interest Rate
	Total Investment Portfolio Fair Value			
1992	\$ 5,308	10.48%	4.50%	8.00%
1993	6,117	13.67	16.50	8.00
1994	6,140	8.84	0.00	8.00
1995	7,504	11.64	22.18	8.00
1996	8,669	11.73	15.11	8.00
1997	10,144	13.72	15.75	8.00
1998	11,238	12.64	9.61	8.00
1999	13,057	14.67	16.55	8.00
2000	13,474	11.23	1.86	8.00
2001	12,892	6.80	(4.99)	8.00

(1) **Rate of Return on Smoothed Expected Investment Income** consists of investment income in excess or shortfall of the expected 8% on fair value smoothed over a five-year period with 20% of a year's excess or shortfall being recognized each year beginning with the current year.

(2) **Rate of Return on Fair Value** consists of cash income plus gains and losses due to changes in market value, whether realized or unrealized.

(3) **Actuarial Assumed Interest Rate** is the assumed rate of return on the fair value of assets, and is used in establishing retirement contribution rates and in determining current benefit reserve requirements.

*Ten Year Total Pension Investment Rates of Return*





**Defined Benefit Investments***List of Largest Assets Held*

December 31, 2001

**LARGEST EQUITY HOLDINGS***(By Fair Value)*

Description	Shares	Fair Value
General Electric Co. ....	3,290,144	\$131,868,972
Microsoft Corp.....	1,451,006	96,129,148
Exxon Mobil Corp. ....	2,285,066	89,803,094
Citigroup Inc. ....	1,726,908	87,174,316
Pfizer Inc.....	2,090,629	83,311,566
Intel Corp.....	2,228,122	70,074,437
International Business Machines Corp.....	575,130	69,567,725
American International Group Inc. ....	763,051	60,586,249
Johnson & Johnson .....	1,007,647	59,551,938
Wal-Mart Stores Inc. ....	917,935	52,827,159

**LARGEST DEBT SECURITIES HOLDINGS***(By Fair Value)*

Description	Par Value	Fair Value
GNMA TBA Pool 6.5% Due 1-15-2029 Rating AAA.....	\$134,970,188	136,518,012
U.S. Treasury Bonds Inflation Index 3.875% Due 4-15-2029 Rating AAA .....	55,275,664	55,551,619
Germany (Fed Rep) 4.5% Bond Due 4-7-2009 EUR0.01 Rating AAA .....	54,629,590	52,813,666
GNMA TBA Pool #9999999 SER 2029 6 Due 1-15-2029 REG Rating AAA...	49,895,344	50,648,496
U.S. Treasury Note 5.75% Bonds Due 8-15-2010 Rating AAA .....	35,050,279	34,797,836
U.S. Treasury Bond 8% Due 11-15-2021 Rating AAA .....	33,576,105	31,438,994
PVTPL Nationwide CSN TR NT 144A 9.875% DUE 02-15-2025 Rating A-.....	31,924,500	31,120,020
FNMA 30 Yr Pass Through 6% 30 Years Rating AAA.....	30,983,967	30,749,191
Germany (Fed Rep) 5.25% Bonds Due 4-1-2008 EUR0.01 Rating AAA .....	27,860,844	27,446,705
Germany (Fed Rep) 6% Bonds 4-7-2007 EUR0.01 Rating AAA.....	30,846,198	26,768,370

A complete list of portfolio holdings is available upon request.

*Schedules of Fees and Commissions***BROKER COMMISSION FEES***Year Ended December 31, 2001*

Broker	Total Commission Fees
Goldman Sachs & Company .....	\$ 74,907
Instinet.....	48,802
Jefferies & Co.....	13,299
Lehman Brothers .....	5,000
Morgan Stanley Dean Witter .....	94,251
Salomon Smith Barney.....	18,797
<b>Total .....</b>	<b>\$255,056</b>

**SCHEDULE OF INVESTMENT FEES AND COMMISSIONS***Year Ended December 31, 2001*

Investment advisor fees:	
Equity securities, domestic	\$ 4,727,963
Equity securities, international	7,917,219
Debt securities, domestic	3,600,951
Debt securities, international	1,991,363
Alternative investments	752,532
Portfolio consultants	240,825
<b>Total investment advisor fees</b>	<b>19,230,853</b>
<b>Investment brokerage fees</b>	<b>255,056</b>
<b>Total fees and commissions</b>	<b>\$19,485,909</b>

**Defined Benefit Investments***Investment Professionals***Investment Advisors****Defined Benefit Plan—  
Equities**

Abbott Capital Management, LLC  
1330 Avenue of the Americas  
New York, NY 10019

Capital International  
333 South Hope Street  
Los Angeles, CA 90071

Cohen & Steers Capital  
Management  
757 Third Avenue  
New York, NY 10017

Dimensional Fund Advisors, Inc.  
1299 Ocean Avenue  
Santa Monica, CA 90401

Dresdner RCM  
Global Investors  
Four Embarcadero Center  
San Francisco, CA 94111

Goldman Sachs Asset Management  
32 Oldslip  
New York, NY 10005

Invesco Global (N.A.), Inc.  
1355 Peachtree Street NE  
Suite 250  
Atlanta, GA 30309

Mazama Capital  
One South West Columbia  
Suite 1860  
Portland, OR 97258

Morgan Stanley Asset Management  
1221 Avenue of the Americas  
5th Floor  
New York, NY 10020

Putnam Investments  
1 Post Office Square, Mail Stop A10  
Boston, MA 02109

Schneider Capital Management  
460 East Swedesford Road  
Wayne, PA 19087

Schroder International  
33 Guter Lane  
London, EC2V 8AS England

Wasatch Advisors, Inc.  
150 Social Hall Avenue  
Suite 400  
Salt Lake City, UT 84111

**Defined Benefit Plan—  
Debt Securities**

Black Rock Asset Management  
345 Park Avenue  
New York, NY 10154

Capital Guardian Trust Co.  
135 South State College Blvd.  
Brea, CA 92821

CS First Boston  
11 Madison Avenue  
New York, NY 10010

Metropolitan West Asset  
Management  
11766 Wilshire Blvd.  
Suite 1580  
Los Angeles, CA 90024

Rogge Global Partners  
Sion Hall, 56 Victoria Embarkment  
London, EC4Y ODZ England

Western Asset Management Co.  
117 East Colorado Blvd.  
Pasadena, CA 91105

**Defined Benefit Plan—  
Real Estate**

BNA Realty Advisors  
Barlow Nielsen Associates  
350 So. Rio Grande  
Salt Lake City, UT 84101

CB Richard Ellis  
865 South Figueroa Street  
Los Angeles, CA 90071

Cottonwood Partners  
2855 East Cottonwood Parkway  
Suite 560  
Salt Lake City, UT 84121

CS First Boston  
11 Madison Avenue  
New York, NY 10010

Goldman, Sachs & Company  
85 Broad Street  
New York, NY 10004

Hancock Timber Resources Group  
99 High Street  
Boston, MA 02110

Heitman/JMB Realty Corp.  
180 North LaSalle Street  
Chicago, IL 60602

Lazard Freres & Co., LLC  
30 Rockefeller Plaza  
New York, NY 10020

Lend Lease Investment  
Management, Inc.  
3424 Peachtree Road, NE  
Atlanta, GA 30326

OPUS U.S. Corp.  
P.O. Box 59110  
Minneapolis, MN 55459

Henderson Investors  
One Financial Plaza  
Hartford, CT 06103

Security Capital Group, Inc.  
125 Lincoln Avenue  
Santa Fe, NM 87501

USAA Real Estate Company  
9830 Colonnade Blvd.  
Suite 600  
San Antonio, TX 78230

**Utah Retirement  
Systems Consultants**

Callan Associates Inc.  
6 Concourse Parkway  
Atlanta, GA 30328

The Northern Trust Company  
50 South LaSalle Street  
Chicago, IL 60675

# 401(k) and 457 Investments

## Investment Highlights

### Introduction

Utah Retirement Systems' 401(k) and 457 Plans are tax-deferred retirement savings programs authorized under sections 401(k) and 457 of the Internal Revenue Code. These plans are available to employees of the state, local government, and public education employers throughout Utah. The participants of the plans have a choice of eleven investment funds in which their monies may be invested. Each participant may choose one or a combination of these funds.

In addition, there is a Group Annuity Fund that is closed to contributions, but where current balances still exist. The table to the right shows the total investments in the various investment options. The asset graph below shows the asset distribution at December 31, 2001.

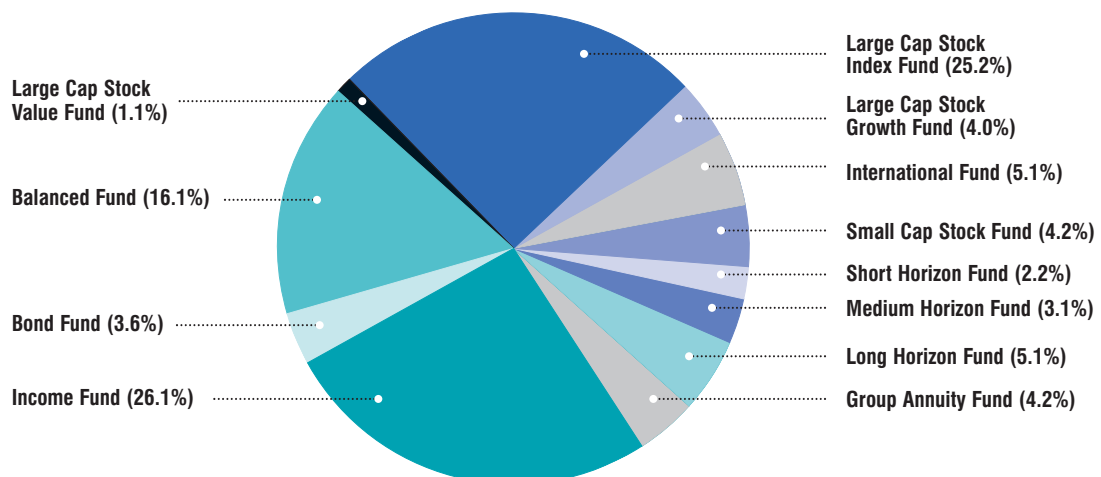
### 401(k) AND 457 PLAN INVESTMENTS

(in thousands)

Investment Options	Total
Income Fund	\$ 392,863
Bond Fund	54,364
Balanced Fund	242,989
Large Cap Stock Value Fund	16,966
Large Cap Stock Index Fund	379,194
Large Cap Stock Growth Fund	60,137
International Fund	76,668
Small Cap Stock Fund	63,065
Short Horizon Fund	32,873
Medium Horizon Fund	46,788
Long Horizon Fund	76,811
Group Annuity Fund (closed to contributions)	62,618
<b>Total</b>	<b>\$1,505,336</b>

### 401(k) AND 457 INVESTMENTS

December 31, 2001



**401(k) and 457 Investments***Investment Highlights* (Continued)**2001 INVESTMENT SUMMARY AND INVESTMENT AND ADMINISTRATIVE FEES**

(dollars in thousands)

Fund	2001 Beginning Fair Value	Purchases	Sales & Redemptions	Increase (Decrease) in Fair Value	2001 Ending Fair Value	Percentage of Total Fair Value	Invest- ment Fees	Admin- istrative Fees	Total Fees
Income Fund	\$ 346,307	154,358	115,582	7,780	392,863	26.10%	.15%	.25%	.40%
Bond Fund	22,537	54,180	24,440	2,087	54,364	3.61	.38	.25	.63
Balanced Fund	244,043	14,330	16,117	733	242,989	16.14	.38	.25	.63
Large Cap Stock Value Fund	—	31,293	14,844	517	16,966	1.13	.44	.25	.69
Large Cap Stock Index Fund	450,711	40,428	50,137	(61,808)	379,194	25.19	.03	.25	.28
Large Cap Stock Growth Fund	75,324	40,824	50,306	(5,705)	60,137	4.00	.34	.25	.59
Small Cap Stock Fund	48,469	34,827	25,190	4,959	63,065	4.19	.18	.25	.43
International Fund	94,708	179,460	195,522	(1,978)	76,668	5.09	.34	.25	.59
Short Horizon Fund	23,508	13,796	4,757	326	32,873	2.18	.30	.25	.55
Medium Horizon Fund	37,702	14,199	3,663	(1,450)	46,788	3.11	.31	.25	.56
Long Horizon Fund	64,820	20,197	3,760	(4,446)	76,811	5.10	.26	.25	.51
Group Annuity Fund (closed to contributions)	66,702	906	7,322	2,332	62,618	4.16	1.08	.25	1.33
<b>Totals</b>	<b>\$1,474,831</b>	<b>598,798</b>	<b>511,640</b>	<b>(56,653)</b>	<b>1,505,336</b>	<b>100.00%</b>			

**Investment and  
Administrative Expenses**

There are no front-end load, redemption, or other hidden fees associated with these plans; although, Beneficial Life Insurance Company may impose a penalty on transfers from the Group Annuity Fund. All costs reflected in the table above are deducted from earnings prior to posting to participant accounts and do not appear on participant statements.

By administering the defined contribution plans internally rather than through a third party, expenses are kept at very low levels to maximize earnings to each

participant. The table above shows these expenses to be nominal when compared to fees as high as 10% on some annuities, mutual funds, and insurance contracts.

**Rates of Return**

Rates of return shown on the accompanying chart on page 91 are net rates, after all costs and fees have been deducted.

**401(k) and 457 Investments***Investment Highlights* (Continued)**401(k) AND 457 PLANS COMPARATIVE  
ANNUALIZED RATES OF RETURN**

Year Ended December 31, 2001

<b>Investment Option</b> <i>Comparative Index</i>	<b>1 Year</b>	<b>3 Year</b>	<b>5 Year</b>	<b>10 Year</b>
Income Fund	6.70%	6.17%	6.21%	6.55%
<i>Treasury Bills Index</i>	4.42	5.15	5.20	4.80
Bond Fund	10.22	6.43	N/A*	N/A*
<i>Lehman Aggregate Bond Index</i>	8.43	6.28	7.43	7.23
Balanced Fund	1.47	3.95	8.98	11.87
<i>Balanced Index (1)</i>	(3.34)	2.37	9.96	10.94
Large Cap Stock Value Fund	9.18	N/A*	N/A*	N/A*
<i>Russell 1000 Value Index</i>	(5.59)	2.74	11.13	14.13
Large Cap Stock Index Fund	(12.14)	(1.60)	9.88	12.70
<i>S&amp;P 500 Index</i>	(11.88)	(1.03)	10.70	12.94
Large Cap Stock Growth Fund	(21.24)	(8.54)	N/A*	N/A*
<i>Russell 1000 Growth Index</i>	(20.42)	(6.32)	8.27	10.79
International Fund	(17.06)	4.08	7.55	N/A*
<i>MSCI EAFE Index</i>	(21.44)	(5.05)	0.89	4.46
Small Cap Stock Fund	12.75	13.11	N/A*	N/A*
<i>Russell 2000 Index</i>	2.49	6.42	7.52	11.51
Short Horizon Fund	6.06	6.45	N/A*	N/A*
<i>Short Horizon Index (2)</i>	4.20	5.92	7.97	7.82
Medium Horizon Fund	(0.45)	4.35	N/A*	N/A*
<i>Medium Horizon Index (3)</i>	(3.14)	2.92	7.69	8.81
Long Horizon Fund	(5.35)	2.92	N/A*	N/A*
<i>Long Horizon Index (4)</i>	(8.62)	0.71	7.30	9.47
Group Annuity Fund (5)	6.07	6.16	6.28	6.15
<i>Treasury Bill Index</i>	4.42	5.15	5.20	4.80

**Past performance does not guarantee future results.**

All fund returns are reported net of fees including investment management fees and administrative fees. All returns for periods greater than one year are annualized.

(1) Balanced Index: 60% S&P 500 Index, 40% Lehman Brothers Aggregate Bond Index.

(2) Short Horizon Index: 20% Treasury Bills, 65% LB Aggregate Bond, 10% S&P 500, 5% MSCI EAFE

(3) Medium Horizon Index: 45% LB Aggregate Bond, 35% S&P 500, 15% MSCI EAFE, 5% Russell 2000

(4) Long Horizon Index: 20% LB Aggregate Bond, 45% S&P 500, 25% MSCI EAFE, 10% Russell 2000

(5) The Group Annuity Fund is closed to future contributions. Returns prior to 1998 represent performance of the 401(k) Group Annuity Fund.

\*This fund has existed less than the number of years indicated.

**401(k) and 457  
Plans Investment  
Professionals**

American Express Trust Co.  
1200 Northstar West  
Minneapolis, MN 55440

Beneficial Life Insurance Co.  
Beneficial Life Tower  
36 South State Street  
Salt Lake City, UT 84136

Capital Guardian Trust Co.  
333 South Hope Street  
Los Angeles, CA 90071

Dimensional Fund  
Advisors, Inc.  
1299 Ocean Avenue  
Santa Monica, CA 90401

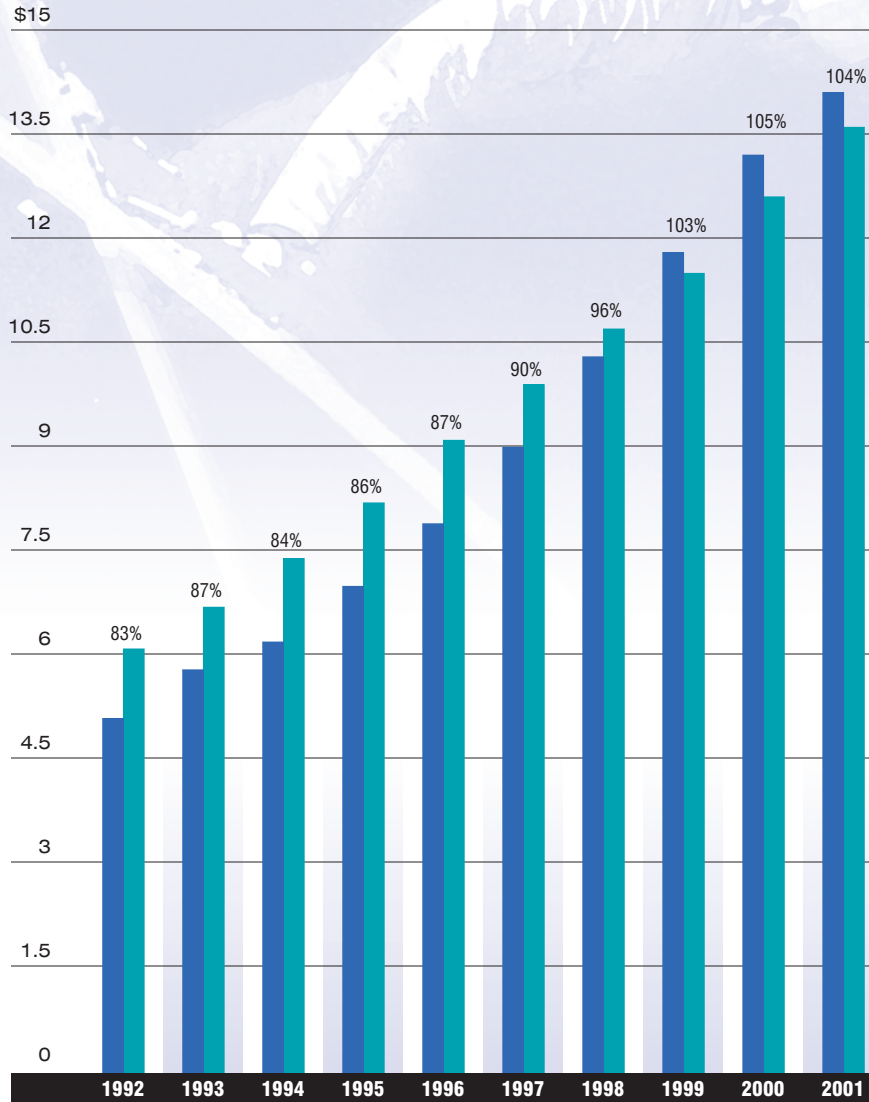
Dodge & Cox  
One Sansome Street  
San Francisco, CA 94104

Alliance Capital  
Management L.P.  
601 Second Avenue South  
Suite 5000  
Minneapolis, MN 55402

All Retirement Systems

# Funding Progress with Funding Ratios

(dollars in billions)



(in billions)

Actuarial Value of Assets	\$5.1	5.8	6.2	7.0	7.9	9.0	10.3	11.8	13.2	14.1
Accrued Actuarial Liability	6.1	6.7	7.4	8.2	9.1	9.9	10.7	11.5	12.6	13.6
<b>Funding Ratios</b>	<b>83%</b>	<b>87%</b>	<b>84%</b>	<b>86%</b>	<b>87%</b>	<b>90%</b>	<b>96%</b>	<b>103%</b>	<b>105%</b>	<b>104%</b>

# Actuarial *Section*

- 94 Actuary's Certification Letter
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## Actuary's Certification Letter



**GABRIEL, ROEDER, SMITH & COMPANY**  
**Consultants & Actuaries**

2001 Ross Avenue • Suite 4200 • Dallas, Texas 75201-2989 • 214-530-4200 • fax 214-530-4250

October 25, 2001

Utah State Retirement Board  
 560 East 200 South  
 Salt Lake City, UT 84102

Dear Members of the Board

**Subject: Certification of 2001 Actuarial Valuation**

The actuarial valuation report describes the current actuarial condition of the Utah Retirement Systems (URS), determines the recommended employer contribution rates, and analyzes changes in these contribution rates. Valuations are prepared annually, as of January 1, the first day of the URS plan year.

Under URS statutes, employer contribution rates are certified annually by the Board of Trustees. These rates are determined actuarially, based on the Board's funding policy. Contribution rates determined by a given actuarial valuation become effective eighteen months after the valuation date. For example, the rates determined by this January 1, 2001 actuarial valuation will be used by the Board when certifying the employer contribution rates for the year beginning July 1, 2002 and ending June 30, 2003. If new legislation is enacted between the valuation date and the date the contribution rates become effective, the Board may adjust the recommended rates before certifying them, in order to reflect this new legislation. Such adjustments are based on information supplied by the actuary.

**Financing objectives and funding policy**

In setting contribution rates, the Board's principal objectives have been:

- to set rates so that the unfunded actuarial accrued liability (UAAL) will be amortized over a 20-year period from the current valuation date.
- to set rates so that they remain relatively level over time.

To accomplish this, the Board's funding policy requires that the employer contribution rate be at least equal to the sum of the employer normal cost rate (which pays the current year's cost) and an amortization rate which results in the amortization of the UAAL over 20 years in installments which increase at the assumed rate of growth in payroll for URS. The current assumed rate of growth in payroll for URS is 3.00%, the assumed inflation rate.

No membership growth is anticipated in setting the contribution rate. Using an inflation-only payroll growth rate is consistent with GASB 25, which prohibits anticipating membership growth in determining the Annual Required Contribution (ARC).

Under this policy, the objective of maintaining relatively level contribution rates over time is achieved.

**Progress toward realization of financing objectives**

The funded ratio (the ratio of the actuarial value of assets to the actuarial accrued liability) is a standard measure of a plan's funded status. In the absence of benefit improvements, it should increase over time, until it reaches 100%. The funded ratio for most of the funds in URS increased since the last valuation, except for Logan and Other Division B of The Public Safety System, which were already above 100%, and Division A of the Firefighters System. The decrease in the funded ratio for the Division A Firefighters is a result of the transfer of the Sandy City firefighters from Division A to Division B. In the absence of this transfer the funded ratio would have increased.



For all systems combined, the funded ratio increased from 102.9% to 104.7%. Three-fourths of the individual funds have ratios over 100%, and only the 3% Substantial Substitute Fund and the Salt Lake City Noncontributory Public Safety Fund have funded ratios less than 90%. In 1990, the funded ratios for all systems combined was 76.9%, so significant progress has been made over the last eleven years, even though a number of benefit increases have been granted during that time, and even though the 3% substantial substitute was added as a URS liability. Without the 3% substantial substitute, the overall funded ratio would have been 107.2%.

### Benefit provisions

The benefit provisions reflected in this valuation are those which were in effect on January 1, 2001, or which were adopted by the end of the 2001 legislative session and are effective on or before July 1, 2002.

Only one change was made to the provisions since the preceding valuation:

- The Legislature increased benefits for certain retirees of the Public Employees Retirement System who had service prior to July 1, 1967. Those retirees whose benefits were calculated with a 1.1% multiplier for their service prior to July 1, 1967, had their benefits recalculated with a 1.25% multiplier for their service prior to July 1, 1967.

### Assumptions and methods

Actuarial assumptions and methods used in the valuation are set by the Board, based upon the recommendations of the actuary. The actuary reviews actual plan experience before making these recommendations. This year we recommended changes in the salary scale assumption and in the post-retirement mortality assumption, and the Board adopted our recommendations. Please see our report for a complete description of the changes to the actuarial assumptions. The assumptions are described later in this section. It is our opinion that the assumptions are internally consistent and are reasonably based on past and anticipated future experience of the System.

### Data

Member data for retired, active and inactive members was supplied as of December 31, 2000 by the System's staff. We did not audit this data, but we did apply a number of tests to the data, and we concluded that it was reasonable and consistent with the prior year's data. Asset information as of December 31, 2000 was supplied by the System's staff.

### Certification

We certify that the information presented herein is accurate and fairly portrays the actuarial position of URS as of January 1, 2001. We prepared the accompanying Summary of Actuarial Assumptions and Methods, but the URS staff prepared the other supporting schedules in this section and the trend tables in the financial section based on information supplied in our report. The staff rolls forward to December 31 the actuarial liabilities supplied in our report as of January 1, and the staff computes the actuarial value of assets as of December 31. These procedures have been reviewed by us and found reasonable. Information shown for years prior to 1991 is based on the work of the prior actuaries.

All of our work conforms with generally accepted actuarial principles and practices, and with the Actuarial Standards of Practice issued by the Actuarial Standards Board. In our opinion, our calculations also comply with the requirements of Utah state law and, where applicable, the Internal Revenue Code, ERISA, and the Statements of the Governmental Accounting Standards Board. The undersigned are independent actuaries. Both are Enrolled Actuaries and Members of the American Academy of Actuaries, and both are experienced in performing valuations for large public retirement systems.

Sincerely,



Gabriel, Roeder, Smith and Company  
J. Christian Conradi, ASA, EA, MAAA  
Senior Consultant



Gabriel, Roeder, Smith and Company  
W. Michael Carter, FSA, EA, MAAA  
Senior Consultant

**GABRIEL, ROEDER, SMITH & COMPANY**

# Summary of Actuarial Assumptions and Methods

As of January 1, 2001

**a** The actuarial valuation was prepared using the entry age actuarial cost method. As described in the certification letter, the contribution rates are set based on the board's funding policy, which states the contribution rate will not be less than the amount needed to amortize the unfunded actuarial accrued liability of each System over a 20-year period from the valuation date (January 1, 2001).

In calculating this minimum, amortization payments are designed to remain level as a percent of payroll, and payroll is assumed to increase 3.0% per year. Under this method, actuarial gains and losses are identified and amortized as part of the unfunded actuarial accrued liability over a 20-year period.

**b** The future investment earnings of the assets of the Systems are assumed to accrue at an annual rate of 8%, compounded annually. This rate is made up of a 3.0% assumed inflation rate and a 5.0% assumed real rate of return. This assumption was adopted January 1, 2000.

**c** The total rates of assumed annual salary increase are shown on the actuarial schedule on page 99. The rates include increases due to promotion and longevity and a 4.75% per annum rate of increase in the general wage level of the membership. Salaries of judges are assumed to increase at 4.75%. These assumptions were adopted January 1, 2001.

**d** Post retirement benefit increases are based on the Consumer Price Index, limited by the provisions of each System. For members of the Public Safety Retirement System, annual increases are assumed to be 2.5%. All other Systems' annual increases are assumed to be 3.0%. Increases are based on the member's original retirement allowance except in the Judges Retirement System, where increases are compounded.

**e** Tables of mortality rates for members retired for service and beneficiaries were developed from standard mortality tables. The mortality basis is dependent upon the member's class and gender as shown to the right. These rates were adopted January 1, 2001. Mortality rates for active members were developed from actual experience of that group.

**f** Mortality among disabled members is based on a special 1981 Disability Table developed by a previous actuary from the Systems' experience. These rates were adopted January 1, 1990.

**g** Other demographic assumptions regarding retirement, mortality, disablement and termination from employment are illustrated in the following actuarial schedules.

The retirement assumptions illustrated are for members of the Systems who are eligible to retire with 30 years of service. The rates vary by age and service groupings.

Rates of assumed termination from employment at any age are assumed to vary during the first five years of employment. The rates of termination illustrated are for members in their first or in their sixth or subsequent year of service; rates at intermediate points fall between the two sets illustrated. All terminating members who are not eligible for vested benefits are assumed to withdraw their contributions immediately. Vested members are assumed to withdraw their contributions and forfeit the right to further benefits at the rates illustrated.

**h** The Retirement Board uses the expected rate of return method for calculating the actuarial value of assets. This method is based on the total earnings of the commingled investments and spreads the

excess/ shortfall of actual investment returns over or under the expected return over five years. One-fifth of the excess/ shortfall is recognized each year. The actuarial values of assets under this method were calculated and reported to us by the Systems' staff.

All of the actuarial assumptions were adopted by the Retirement Board in 2001, as recommended by the actuary.

## RETIRED MEMBER MORTALITY

### Class of Member

#### Educators

Men..... UP94M (-5)

Women ..... UP94F (-2)

#### Public Safety and Firefighters

Men..... UP94M (-1)

Women ..... UP94F (-2)

#### Local Government, Public Employees and All Beneficiaries

Men..... UP94M (-3)

Women ..... UP94F (-2)

GAM (xx) = 1983 Group Annuity Mortality Table adjusted xx years, and UP94M (xx) = 1994 Unisex Pensioners Mortality Table for Males adjusted xx years.

UP94F (xx) = 1994 Unisex Pensioners Mortality Table for Females adjusted xx years.

## Summary of Actuarial Assumptions and Methods (Continued)

As of January 1, 2001

	Retirement Age	Percent Retiring Within Next Year Among Active Members						
		Eligible for Retirement						Governors and Legislative Pension Plan
		Male			Female			
		State and School Division		Local Government Division	State and School Division		Local Government Division	
Educators	Public Employees		Educators	Public Employees				
<b>Contributory and Noncontributory Retirement Systems</b>	55	30.00%	20.00%	30.00%	35.00%	30.00%	40.00%	0.00%
	56	30.00	20.00	30.00	35.00	30.00	40.00	0.00
	57	30.00	20.00	30.00	35.00	30.00	40.00	0.00
	58	30.00	20.00	30.00	35.00	30.00	40.00	0.00
	59	30.00	20.00	30.00	35.00	30.00	40.00	0.00
<i>Adopted January 1, 2000</i>	60	60.00	50.00	50.00	50.00	60.00	50.00	0.00
	61	40.00	35.00	40.00	50.00	40.00	40.00	0.00
	62	70.00	60.00	65.00	70.00	60.00	60.00	100.00
	63	49.00	30.00	50.00	50.00	40.00	40.00	100.00
	64	56.00	30.00	50.00	50.00	40.00	40.00	100.00
	65	75.00	70.00	80.00	75.00	75.00	70.00	100.00
	66	60.00	50.00	50.00	50.00	50.00	30.00	100.00
	67	60.00	50.00	50.00	50.00	50.00	30.00	100.00
	68	60.00	50.00	50.00	50.00	50.00	30.00	100.00
	69	60.00	50.00	50.00	50.00	50.00	30.00	100.00
	70	100.00	100.00	100.00	100.00	100.00	100.00	100.00

	Percent Retiring Within Next Year Among Active Members Eligible for Retirement					
	Retirement Age		Retirement Age		Retirement Age	
<b>Public Safety Retirement System</b>	45	14.00%	52	14.00%	59	33.00%
	46	14.00	53	14.00	60	50.00
<i>Adopted January 1, 2000</i>	47	14.00	54	14.00	61	50.00
	48	14.00	55	33.00	62	50.00
	49	14.00	56	33.00	63	50.00
	50	14.00	57	33.00	64	50.00
	51	14.00	58	33.00	65	100.00

	Percent Retiring Within Next Year Among Active Members Eligible for Retirement					
	Retirement Age		Retirement Age		Retirement Age	
<b>Firefighters Retirement System</b>	45	6.00%	52	35.00%	59	75.00%
	46	6.00	53	35.00	60	75.00
<i>Adopted January 1, 2000</i>	47	6.00	54	35.00	61	75.00
	48	6.00	55	75.00	62	75.00
	49	6.00	56	75.00	63	75.00
	50	35.00	57	75.00	64	75.00
	51	35.00	58	75.00	65	100.00

	Percent Retiring Within Next Year Among Active Members Eligible for Retirement					
	Retirement Age		Retirement Age		Retirement Age	
<b>Judges Retirement System</b>	60	5.00%	64	30.00%	68	50.00%
	61	5.00	65	50.00	69	50.00
<i>Adopted January 1, 1990</i>	62	10.00	66	50.00	70	100.00
	63	20.00	67	50.00		

## Summary of Actuarial Assumptions and Methods *(Continued)*

As of January 1, 2001

### Other Termination of Employment Percent of Active Members Separating Within Next Year

	Retirement Age	Male			Female			Governors and Legislative Pension Plan
		State and School Division		Local Government Division	State and School Division		Local Government Division	
		Educators	Public Employees		Educators	Public Employees		
<b>During the First Year of Service</b>								
<b>Contributory and Noncontributory Retirement Systems</b>	25	14.98%	35.36%	18.84%	22.57%	30.44%	27.66%	10.00%
<i>Adopted January 1, 2000</i>	30	12.68	29.03	15.88	15.87	27.40	25.72	10.00
	35	11.95	25.25	13.73	12.28	24.11	23.52	10.00
	40	11.30	22.79	12.35	11.87	20.88	21.25	10.00
	45	11.52	20.67	11.84	11.35	18.08	19.22	10.00
	50	13.43	18.41	12.28	10.24	16.10	17.99	10.00
	55	17.64	15.90	13.83	8.34	15.24	18.25	10.00
	60	18.53	13.22	14.52	8.77	15.79	20.66	10.00
<b>During the Sixth and Subsequent Years of Service</b>								
<b>Contributory and Noncontributory Retirement Systems</b>	25	6.29%	11.85%	8.15%	13.04%	18.70%	13.16%	10.00%
<i>Adopted January 1, 2000</i>	30	4.30	8.32	6.05	8.38	11.87	8.95	10.00
	35	2.90	5.78	4.63	5.21	7.56	6.18	10.00
	40	2.08	4.10	3.81	3.47	5.26	4.73	10.00
	45	1.62	3.04	3.34	2.74	4.05	4.22	10.00
	50	1.25	2.43	3.11	2.45	3.43	4.21	10.00
	55	0.93	2.42	3.36	2.43	3.34	4.32	10.00
	60	0.98	3.24	3.52	2.55	3.75	4.43	10.00
<b>Public Safety Retirement System</b>								
<i>Adopted January 1, 2000</i>	Age	During the First Year		During the Sixth and Subsequent Years				
	25	9.56%		6.16%				
	30	9.12		4.17				
	35	10.02		2.74				
	40	12.18		1.82				
	45	15.42		1.35				
	50	19.61		1.15				
	55	24.57		1.14				
	60	30.22		1.25				
<b>Firefighters Retirement System</b>								
<i>Adopted January 1, 1996</i>	Age	During the First Year		During the Sixth and Subsequent Years				
	25	12.43%		1.50%				
	30	9.98		1.40				
	35	7.52		1.30				
	40	5.21		0.70				
	45	7.22		0.49				
	50	11.01		0.27				
	55	16.84		0.09				
	60	24.71		0.13				
<b>Judges Retirement System</b>								
		None assumed.						

# Summary of Actuarial Assumptions and Methods *(Continued)*

As of January 1, 2001

	Years of Service	Total Annual Increase in Salary (Male and Female)				
		State and School Division		Local Government Division	Public Safety Retirement System	Firefighters Retirement System
		Educators	Public Employees			
<b>All Retirement Systems</b> <i>Adopted January 1, 2001</i>	0	15.00%	10.75%	11.75%	10.75%	11.75%
	1	10.75	9.25	9.25	7.75	10.50
	2	9.25	8.25	8.25	7.25	9.75
	3	9.00	7.75	7.25	7.00	9.25
	4	8.75	7.25	7.00	6.75	8.75
	5	8.50	7.00	6.75	6.50	8.50
	6	8.00	6.50	6.75	6.25	8.25
	7	7.75	6.25	6.50	6.25	8.25
	8	7.50	6.25	6.50	6.00	8.00
	9	7.25	6.00	6.25	6.00	8.00
	10	6.75	6.00	6.00	5.75	7.75
	11	6.50	5.75	5.75	5.75	7.75
	12	6.00	5.50	5.50	5.50	6.75
	13	5.50	5.50	5.25	5.25	5.75
	14	5.00	5.25	5.25	5.00	5.25
	15	4.75	4.75	4.75	4.75	4.75

	Age	Probability Mortality Within the Next Year for Active Members			
		Male		Female	
		Educators	Local Government and Public Employees	Educators	Local Government and Public Employees
<b>Contributory and Noncontributory Retirement Systems</b> <i>Adopted January 1, 2000</i>	20	0.0187%	0.0597%	0.0404%	0.0344%
	25	0.0171	0.0443	0.0164	0.0313
	30	0.0188	0.0536	0.0073	0.0331
	35	0.0242	0.0783	0.0158	0.0402
	40	0.0449	0.1002	0.0379	0.0547
	45	0.0767	0.1229	0.0694	0.0802
	50	0.1481	0.1798	0.1072	0.1212
	55	0.2688	0.3036	0.1478	0.1812
	60	0.4256	0.4958	0.2047	0.2614
	65	0.5426	0.7540	0.2845	0.3603
	70	0.6020	1.0807	0.3903	0.4766

	Years of Service	Percent Electing a Refund of Contributions Upon Termination While Vested					
		Male			Female		
		Educators	Public Employees	Local Government Division	Educators	Public Employees	Local Government Division
<b>Contributory and Noncontributory Retirement Systems</b> <i>Adopted January 1, 1993</i>	0-3	100%	100%	100%	100%	100%	100%
	4	75	86	75	65	80	77
	5	73	83	73	64	79	75
	10	54	73	61	53	64	61
	15	33	63	49	32	52	40
	19	9	29	23	8	22	13
	20	0	0	0	0	0	0

	Probability Mortality Within the Next Year for Active Members				Percent Electing a Refund of Contributions Upon Termination While Vested		
	Public Safety and Firefighters Employees		Public Safety and Firefighters Retirement Employees		Years of Service	Public Safety and Firefighters Retirement Employees	
	Age	Age	Age	Age		Age	Age
<b>Public Safety Retirement System and Firefighters Retirement System</b> <i>Adopted January 1, 2000</i>	20	0.0525%	50	0.2101%	<b>Public Safety Retirement System and Firefighters Retirement System</b>	0-3	100%
	25	0.0499	55	0.3228		4	76
	30	0.0495	60	0.4440		5	74
	35	0.0520	65	0.5606		10	57
	40	0.0721	70	0.6713	<i>Adopted January 1, 1993</i>	15	35
	45	0.1234				19	15
						20	0

## Reconciliation of Changes in Unfunded Actuarial Accrued Liabilities

(in thousands)

System	January 1, 2000 Actuarial Accrued Liability (AAL)	Amorti- zation Payments	Liability (Gain) Loss	Asset (Gain)	Change in Actuarial Assumptions	Change in Benefit Provisions	Asset Transfers	January 1, 2001 AAL
<b>Contributory</b>	\$ 16,294	(4,584)	1,099	(32,762)	13,013	8,666	9,500	11,226
<b>Noncontributory</b>	(231,139)	(111,430)	41,155	(295,098)	175,134	3,059	(9,500)	(427,819)
<b>Public Safety</b>	(41,165)	(12,730)	2,485	(36,796)	8,086	—	—	(80,120)
<b>Firefighters</b>	(64,217)	(7,562)	4,498	(15,941)	2,224	—	(49)	(81,047)
<b>Judges</b>	(9,996)	(982)	(1,567)	(2,463)	1,831	—	—	(13,177)
<b>Governors &amp; Legislative</b>	(2,693)	(83)	(673)	(421)	209	—	—	(3,661)

## Member and Employer Contribution Rates

As of December 31

System	Year	Contributory			Noncontributory	
		Member	Employer	Employer	Employer	Employer
<b>Contributory and Noncontributory Retirement System</b>			State and School	Local Government	State and School	Local Government
	1992	6.00%	7.88%	3.44%	12.20%	7.16%
	1993	6.00	7.92	3.98	12.24	7.80
	1994	6.00	8.68	4.81	13.00	8.63
	1995	6.00	8.65	4.86	12.97	8.68
	1996	6.00	9.67	6.42	13.99	10.24
	1997	6.00	9.67	6.50	14.16	10.51
	1998	6.00	9.67	6.73	14.16	10.74
	1999	6.00	9.67	6.73	14.16	10.74
	2000	6.00	9.19	6.31	13.68	10.32
2001	6.00	5.91	4.19	10.40	8.20	
<b>Firefighters Retirement System</b>		Division A (with Social Security)		Division B (without Social Security)		All Divisions Fire Insurance Premium Tax
		Member	Employer	Member	Employer	
	1992	13.31%	—%	14.81%	7.38%	5.18%
	1993	13.31	—	14.81	5.73	6.09
	1994	13.31	—	16.71	5.68	6.14
	1995	13.31	—	16.71	3.50	7.31
	1996	13.31	—	16.71	6.64	7.98
	1997	13.31	—	16.71	6.43	8.19
	1998	13.31	—	16.71	4.74	8.48
	1999	13.31	—	16.71	0.54	8.60
2000	10.20	—	15.50	—	8.71	
2001	6.77	—	8.43	—	8.28	
<b>Judges Retirement System</b>		Contributory		Noncontributory	Judges	Governors and Legislative Appropriation
		Member	Employer	Employer	Court Fees	
	1992	8.00%	5.88%	—	24.57%	\$—
	1993	8.00	6.44	—	27.22	—
	1994	8.00	8.87	—	26.02	—
	1995	8.00	9.31	—	26.11	—
	1996	8.00	10.70	—	25.62	—
	1997	8.00	12.21	20.21%	24.11	—
	1998	8.00	11.00	19.00	22.86	—
	1999	8.00	7.39	15.39	21.16	—
2000	8.00	7.10	15.10	20.29	—	
2001	5.55	—	5.55	18.93	—	

## Member and Employer Contribution Rates (Continued)

As of December 31

System	Year	State of Utah		Other Division A (with Social Security)		Bountiful	
		Member	Employer	Member	Employer	Member	Employer
<b>Public Safety Retirement System Contributory Division A</b>	1992	12.29%	8.07%	12.29%	3.11%	11.94%	4.27%
	1993	12.29	6.75	12.29	1.70	11.94	3.21
	1994	12.29	7.53	12.29	1.48	11.94	0.94
	1995	12.29	10.77	12.29	3.82	11.94	10.54
	1996	12.29	10.82	12.29	3.72	11.94	5.77
	1997	12.29	12.26	12.29	5.62	11.94	8.98
	1998	12.29	12.26	12.29	5.87	11.94	10.36
	1999	12.29	14.12	12.29	6.84	—	—
	2000	12.29	12.98	12.29	5.88	—	—
	2001	12.19	8.81	12.29	2.41	—	—
<b>Public Safety Retirement System Noncontributory Division A</b>	1992	—	16.54%	—	11.95%	—	13.13%
	1993	—	15.76	—	11.40	—	12.81
	1994	—	17.96	—	12.68	—	14.80
	1995	—	21.19	—	15.22	—	18.36
	1996	—	20.60	—	14.47	—	16.97
	1997	—	22.94	—	17.09	—	20.65
	1998	—	23.14	—	17.42	—	22.05
	1999	—	24.98	—	18.43	—	23.99
	2000	—	23.62	—	17.40	—	23.18
	2001	—	19.68	—	14.08	—	19.03

System	Year	Salt Lake City		Ogden		Logan		Provo		Other Division B (without Soc Sec)	
		Member	Employer	Member	Employer	Member	Employer	Member	Employer	Member	Employer
<b>Public Safety Retirement System Contributory Division B</b>	1992	13.74%	19.40%	13.18%	10.91%	11.13%	9.72%	13.54%	10.92%	10.50%	5.43%
	1993	13.74	18.57	13.18	9.60	11.13	8.38	13.54	10.23	10.50	4.27
	1994	13.74	0.00	13.18	9.68	11.13	7.22	13.54	10.68	10.50	4.27
	1995	13.74	0.00	13.18	10.52	11.13	4.90	13.54	10.37	10.50	4.48
	1996	13.74	20.38	13.18	12.65	11.13	4.65	13.54	11.03	10.50	5.27
	1997	13.74	21.82	13.18	12.65	11.13	6.72	13.54	12.81	10.50	7.55
	1998	13.74	21.82	13.18	12.90	11.13	7.76	13.54	12.81	10.50	7.11
	1999	13.74	24.00	13.18	12.83	11.13	8.28	13.54	13.52	10.50	9.97
	2000	13.74	22.56	13.18	12.23	11.13	6.96	13.54	12.58	10.50	8.92
	2001	13.74	18.21	13.18	9.08	11.13	2.93	13.54	9.72	10.50	6.43
<b>Public Safety Retirement System Noncontributory Division B</b>	1992	—	28.44%	—	—	—	—	—	—	—	14.25%
	1993	—	29.01	—	—	—	—	—	—	—	13.71
	1994	—	31.97	—	22.13%	—	—	—	—	—	15.01
	1995	—	31.70	—	22.62	—	—	—	—	—	15.15
	1996	—	31.51	—	24.03	—	—	—	—	—	15.94
	1997	—	33.68	—	24.77	—	—	—	—	—	17.29
	1998	—	33.68	—	25.49	—	—	—	—	—	17.07
	1999	—	36.14	—	25.80	—	—	—	—	—	19.85
	2000	—	34.73	—	24.47	—	—	—	—	—	19.01
	2001	—	30.72	—	21.06	—	—	—	—	—	16.75

## Solvency Tests

(dollars in thousands)

System	Date	(1) Active Members Contributions	(2) Retired and Beneficiaries	(3) Active Member (Employer Financed Portion)
<b>Contributory Retirement System</b>	1/01/93	\$250,921	572,403	230,839
	1/01/94	282,271	561,683	255,208
	1/01/95	247,639	564,284	364,299
	1/01/96	234,967	543,628	213,779
	1/01/97	182,158	523,025	163,540
	1/01/98	197,833	499,390	183,276
	1/01/99	214,828	478,808	198,347
	1/01/00	231,996	451,865	210,623
	1/01/01	247,491	447,521	240,787
	12/31/01	269,570	436,812	255,653
<b>Noncontributory Retirement System</b>	1/01/93	\$747,634	1,193,366	2,245,743
	1/01/94	762,706	1,387,085	2,474,724
	1/01/95	888,824	1,619,632	2,697,417
	1/01/96	890,207	1,965,816	3,176,389
	1/01/97	969,310	2,273,016	3,675,632
	1/01/98	977,799	2,547,911	4,128,625
	1/01/99	981,227	2,888,469	4,466,035
	1/01/00	974,082	3,019,704	5,012,522
	1/01/01	962,724	3,404,486	5,566,304
	12/31/01	974,872	3,924,633	5,829,249
<b>Public Safety Retirement System</b>	1/01/93	\$ 83,379	221,777	252,508
	1/01/94	84,639	253,776	288,943
	1/01/95	85,516	283,273	322,318
	1/01/96	85,112	323,064	362,974
	1/01/97	84,621	355,291	426,592
	1/01/98	86,500	394,325	471,275
	1/01/99	87,640	448,200	498,307
	1/01/00	87,169	485,980	532,017
	1/01/01	85,774	540,074	581,028
	12/31/01	85,339	630,109	590,455
<b>Firefighters Retirement System</b>	1/01/93	\$ 40,210	108,190	89,352
	1/01/94	44,398	123,902	110,784
	1/01/95	53,247	140,965	113,247
	1/01/96	52,839	155,538	125,055
	1/01/97	56,890	169,852	135,669
	1/01/98	60,314	189,904	134,757
	1/01/99	65,671	204,540	137,492
	1/01/00	70,055	212,537	136,565
	1/01/01	73,003	240,403	142,050
	12/31/01	76,783	266,223	148,325
<b>Judges Retirement System</b>	1/01/93	\$ 4,506	20,766	15,322
	1/01/94	5,071	24,938	15,622
	1/01/95	6,189	29,339	14,302
	1/01/96	6,163	30,573	19,216
	1/01/97	7,045	31,108	21,902
	1/01/98	7,419	34,607	20,380
	1/01/99	7,603	36,433	23,175
	1/01/00	7,990	35,621	24,523
	1/01/01	8,025	38,603	27,334
	12/31/01	8,355	41,088	30,489
<b>Governors and Legislative Pension Plan</b>	1/01/93	\$ 262	3,505	2,383
	1/01/94	263	3,475	2,378
	1/01/95	250	3,958	2,398
	1/01/96	251	4,111	2,491
	1/01/97	224	4,429	2,367
	1/01/98	224	4,467	2,307
	1/01/99	215	4,715	2,380
	1/01/00	204	5,573	2,476
	1/01/01	204	5,081	2,623
	12/31/01	203	5,155	2,481



Actuarial Accrued Liabilities		Portion of Actuarial Accrued Liabilities Covered by Assets			
(4) Total Actuarial Accrued Liabilities	Actuarial Value of Assets	(1)	(2)	(3)	(4)
1,054,163	835,299	100%	100%	5%	79%
1,099,162	911,717	100	100	27	83
1,176,222	964,218	100	100	42	82
992,374	852,340	100	100	34	86
868,723	772,977	100	100	41	89
880,499	809,388	100	100	61	92
891,983	840,215	100	100	74	94
894,484	878,190	100	100	92	98
935,799	924,573	100	100	95	99
962,035	945,723	100	100	94	98
4,186,743	3,480,582	100%	100%	68%	83%
4,624,515	4,039,120	100	100	76	87
5,205,873	4,372,190	100	100	70	84
6,032,412	5,136,582	100	100	72	85
6,917,958	5,969,813	100	100	74	86
7,654,335	6,922,583	100	100	82	90
8,335,731	7,931,193	100	100	91	95
9,006,308	9,237,447	100	100	100	103
9,933,514	10,361,333	100	100	100	104
10,728,754	11,086,134	100	100	100	103
557,664	485,861	100%	100%	72%	87%
627,358	555,514	100	100	75	89
691,107	596,892	100	100	71	86
771,150	670,610	100	100	72	87
866,504	755,106	100	100	74	87
952,100	867,151	100	100	82	91
1,034,147	988,800	100	100	91	96
1,105,166	1,146,331	100	100	100	104
1,206,876	1,286,996	100	100	100	107
1,305,903	1,376,466	100	100	100	105
237,752	213,159	100%	100%	72%	90%
279,084	243,228	100	100	68	87
307,459	261,523	100	100	59	85
333,432	293,816	100	100	68	88
362,411	329,475	100	100	76	91
384,975	376,178	100	100	93	98
407,703	423,405	100	100	100	104
419,157	483,374	100	100	100	115
455,456	536,503	100	100	100	118
491,331	569,151	100	100	100	116
40,594	30,254	100%	100%	33%	75%
45,631	35,479	100	100	35	78
49,830	38,726	100	100	22	78
55,952	44,304	100	100	39	79
60,055	50,721	100	100	57	84
62,406	59,373	100	100	85	95
67,211	67,998	100	100	100	101
68,134	78,130	100	100	100	115
73,962	87,139	100	100	100	118
79,932	92,649	100	100	100	116
6,150	7,122	100%	100%	100%	116%
6,116	7,683	100	100	100	126
6,606	7,804	100	100	100	118
6,853	8,185	100	100	100	119
7,020	8,636	100	100	100	123
6,998	9,318	100	100	100	133
7,310	9,988	100	100	100	137
8,253	10,946	100	100	100	133
7,908	11,569	100	100	100	146
7,839	11,710	100	100	100	149

# Schedules of Active Member Valuation Data

Year Ended December 31

System	Year	Number of Participating Employers	Active Members	Active Members			Inflation Increase (CPI)
				Annual Payroll	Average Pay	Percent Increase	
<b>Contributory Retirement System</b>	1992	299	11,952	\$ 286,183,000	24,636	6.32%	2.90%
	1993	299	11,423	293,833,000	25,629	4.03	2.70
	1994	245	10,622	287,743,000	27,347	6.70	2.70
	1995	231	7,419	261,685,000	28,013	2.44	2.50
	1996	225	4,830	141,974,000	29,081	3.81	3.30
	1997	209	4,522	138,231,000	30,860	6.12	1.70
	1998	167	4,287	137,042,000	32,296	4.65	1.60
	1999	165	4,101	137,561,000	33,791	4.63	2.70
	2000	163	3,972	141,067,000	35,218	4.22	3.40
	2001	164	3,760	142,882,000	37,627	6.84	2.80
<b>Noncontributory Retirement System</b>	1992	307	65,777	\$1,381,842,000	23,737	5.49%	2.90%
	1993	314	66,479	1,477,220,000	24,682	3.98	2.70
	1994	322	67,181	1,642,123,000	25,627	3.83	2.70
	1995	331	70,838	1,801,948,000	26,951	5.17	2.50
	1996	336	73,652	2,054,879,000	28,580	6.04	3.30
	1997	344	75,599	2,200,988,000	30,013	5.01	1.70
	1998	349	77,512	2,365,650,000	31,063	3.50	1.60
	1999	356	81,132	2,499,087,000	31,577	1.65	2.70
	2000	367	81,894	2,659,200,000	32,744	3.70	3.40
	2001	374	81,383	2,832,060,000	34,581	5.61	2.80
<b>Public Safety Retirement System</b>	1992	112	5,010	\$ 120,904,000	28,059	7.30%	2.90%
	1993	115	5,120	138,954,000	28,760	2.50	2.70
	1994	116	5,132	148,791,000	29,462	2.44	2.70
	1995	117	5,471	159,943,000	29,824	1.23	2.50
	1996	115	5,736	176,979,000	31,429	5.38	3.30
	1997	115	6,041	195,464,000	32,885	4.63	1.70
	1998	115	6,380	212,414,000	33,842	2.91	1.60
	1999	115	6,631	226,057,000	34,819	2.89	2.70
	2000	116	6,839	247,985,000	36,166	3.87	3.40
	2001	116	6,905	260,783,000	37,705	4.26	2.80
<b>Firefighters Retirement System</b>	1992	28	1,092	\$ 36,517,000	32,905	4.15%	2.90%
	1993	29	1,104	37,879,000	34,215	3.98	2.70
	1994	27	1,099	40,157,000	36,454	6.54	2.70
	1995	28	1,173	43,027,000	37,258	2.21	2.50
	1996	28	1,224	45,969,000	38,062	2.16	3.30
	1997	33	1,281	51,287,000	39,695	4.29	1.70
	1998	35	1,349	54,326,000	40,419	1.82	1.60
	1999	38	1,386	57,561,000	42,178	4.35	2.70
	2000	39	1,452	63,274,000	43,403	2.90	3.40
	2001	39	1,498	67,192,000	44,895	3.44	2.80
<b>Judges Retirement System</b>	1992	1	81	\$ 6,538,000	74,515	5.82%	2.90%
	1993	1	86	7,013,000	82,123	10.21	2.70
	1994	1	85	6,955,000	85,572	4.20	2.70
	1995	1	99	7,903,000	88,201	3.07	2.50
	1996	1	100	8,981,000	90,350	2.44	3.30
	1997	1	102	9,286,000	92,532	2.42	1.70
	1998	1	104	9,388,000	95,531	3.24	1.60
	1999	1	106	10,104,000	97,562	2.13	2.70
	2000	1	104	10,397,000	100,396	2.90	3.40
	2001	1	105	10,924,000	104,298	3.89	2.80
<b>Governors and Legislative Pension Plan</b>	1992	1	87	\$ 254,000	2,920	(6.77)%	2.90%
	1993	1	84	246,000	2,929	0.31	2.70
	1994	1	84	398,000	3,825	30.61	2.70
	1995	1	95	398,000	3,825	0.00	2.50
	1996	1	95	482,000	4,667	22.01	3.30
	1997	1	90	468,000	5,419	16.11	1.70
	1998	1	91	468,000	5,440	0.39	1.60
	1999	1	94	468,000	5,437	(0.06)	2.70
	2000	1	88	464,000	5,533	1.77	3.40
	2001	1	92	556,000	6,422	16.07	2.80

## Schedules of Retirants and Beneficiaries

Year Ended December 31

System	Year	Number Added	Number Removed	Total Retirants and Beneficiaries	Annual Allowances	% Increase in Annual Allowances	Average Annual Allowances
<b>Contributory Retirement System</b>	1992	75	540	12,048	\$ 66,068,000	(0.27)%	\$ 4,980
	1993	101	593	11,556	65,956,000	(0.17)	5,196
	1994	130	525	11,161	65,824,000	(0.20)	5,316
	1995	76	545	10,692	72,722,000	10.48	5,436
	1996	61	524	10,229	64,494,000	(11.31)	5,652
	1997	69	545	9,753	63,884,000	(0.95)	5,916
	1998	70	585	9,238	62,249,000	(2.56)	6,168
	1999	88	578	8,748	61,141,000	(1.78)	6,423
	2000	101	557	8,292	60,317,000	(1.35)	6,742
2001	98	542	7,848	59,575,000	(1.23)	7,078	
<b>Noncontributory Retirement System</b>	1992	943	67	7,123	\$ 86,442,000	16.12%	\$12,732
	1993	1,070	112	8,081	101,551,000	17.48	13,020
	1994	1,155	98	9,138	118,240,000	16.43	12,540
	1995	1,348	12	10,474	146,343,000	23.77	12,756
	1996	1,448	50	11,872	161,036,000	10.04	13,164
	1997	1,429	78	13,223	186,262,000	15.66	13,668
	1998	1,482	106	14,599	213,752,000	14.76	14,184
	1999	1,716	119	16,196	243,829,000	14.07	14,577
	2000	1,709	150	17,755	276,878,000	13.55	15,120
2001	1,577	167	19,165	311,311,000	12.44	15,756	
<b>Public Safety Retirement System</b>	1992	73	28	1,463	\$ 18,745,000	9.39%	\$15,000
	1993	104	31	1,536	20,560,000	9.68	16,224
	1994	99	35	1,600	22,634,000	10.09	13,368
	1995	146	27	1,719	25,271,000	11.65	13,476
	1996	117	19	1,817	28,223,000	11.68	14,328
	1997	123	8	1,932	30,972,000	9.74	14,868
	1998	169	15	2,086	34,374,000	10.98	15,360
	1999	160	22	2,224	38,549,000	12.15	16,248
	2000	151	4	2,371	42,769,000	10.95	16,974
2001	271	53	2,589	48,607,000	13.65	17,743	
<b>Firefighters Retirement System</b>	1992	25	15	591	\$ 9,494,000	4.89%	\$15,204
	1993	17	9	599	9,978,000	5.10	18,672
	1994	36	15	620	10,734,000	7.58	15,192
	1995	42	16	646	11,769,000	9.64	14,856
	1996	35	5	676	12,888,000	9.51	15,744
	1997	43	9	710	14,321,000	11.12	16,896
	1998	32	6	736	15,741,000	9.92	18,180
	1999	42	5	773	16,955,000	7.71	18,853
	2000	53	1	825	18,738,000	10.52	19,717
2001	52	10	867	20,778,000	10.89	20,928	
<b>Judges Retirement System</b>	1992	15	3	69	\$ 1,359,000	30.42%	\$28,848
	1993	2	2	69	1,958,000	44.08	30,540
	1994	8	7	70	2,193,000	12.00	30,108
	1995	2	1	71	2,355,000	7.39	32,208
	1996	1	3	69	2,472,000	4.97	34,776
	1997	5	1	73	2,690,000	8.82	35,796
	1998	3	3	73	3,002,000	11.60	39,912
	1999	1	1	73	3,160,000	5.26	42,032
	2000	2	—	75	3,322,000	5.13	43,018
2001	4	1	78	3,659,000	10.14	45,547	
<b>Governors and Legislative Pension Plan</b>	1992	12	6	183	\$ 387,000	5.45%	\$ 2,078
	1993	12	7	188	419,000	8.27	1,956
	1994	13	4	197	445,000	6.21	2,184
	1995	12	9	200	487,000	9.44	2,364
	1996	8	8	200	504,000	3.49	2,448
	1997	12	2	210	519,000	2.98	2,400
	1998	7	4	213	538,000	3.66	2,460
	1999	13	5	221	583,000	8.36	2,556
	2000	5	7	219	662,000	13.55	2,649
2001	10	—	229	691,000	4.38	2,606	

# Contributory Retirement System

## Summary of Plan Provisions

Description	Requirement
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**Membership Eligibility** . . . . The Public Employees Contributory Retirement System includes eligible public employees of the State of Utah and its political subdivisions including public education employees of those entities covered by the System. An employee is qualified for membership in the Contributory System if his or her employer participates in the System and the employee works at least 20 hours per week and receives benefits normally provided by his or her employer as approved by the Retirement Board, teachers who teach half-time, and classified school employees who work an average of 20 hours per week or more regardless of benefits provided.

**Vesting** . . . . . Retirement benefit becomes vested upon the member's completion of 4 years of qualifying service. Eligible member contributions and interest thereon vest immediately.

**Service Retirement.** . . . . .

Age	Years of Service	Allowance Reduction†
Any age	30	None
60-61	20	3% each year before age 65
62-64	10	3% each year before age 65
65	4	None

†With fewer than 30 years of service from any combination of Utah Retirement Systems, retiring before age 65 will reduce the monthly benefit by 3% for each year between ages 60 and 65.

**Service Benefit Formula** . . . . 1) Number of years of service before 7-1-75 x 1.25% x FAS\*.  
 2) Number of years of service after 6-30-75 x 2.0% x FAS\*.  
 3) Plan 1 allowance = total of 1 and 2.

\*FAS (Final Average Salary) = highest five years' earnings converted to a monthly average. Yearly salary increases are limited to 10% plus a COLA determined by the CPI.

**Cost of Living Allowance** . . . . Up to 4% annually on the original retirement benefit. Eligible after one year.

**Death Benefits** . . . . . An active member's death benefit consists of an insurance payment equal to 75% of the highest annual salary with a minimum of \$1,000 and a refund of contributions plus interest. The spouse of a deceased member is eligible for a monthly benefit if they have been married for at least six months and the member meets age and service qualifications, or has 25 years of service.

An inactive member's death benefit for someone with fewer than ten years of service consists of a refund of contributions plus interest. For those with ten or more years of service credited to their account prior to July 1, 1987 and who have not withdrawn their contributions, the benefit is the same as for active members.

A retired member's death benefit depends on the retirement plan that was selected at retirement. No death benefit is available without a reduced retirement benefit.

**Refunds** . . . . . A terminated member is eligible for a 100% refund of member contributions plus interest. There is a 60-day refund processing period after the last day of paid employment.

**Redeposits** . . . . . A redeposit with interest may be made in monthly installments, by a lump-sum payment, or by direct transfer from a qualified plan. A redeposit must be completed prior to retirement. Service credit is restored when the redeposit is completed.

**Contribution Rates** . . . . . Member contribution rate is 6.00%\* of covered salary. Employer rate for State and School (Level A) is 5.91% of covered salary and 4.19% for Local Government (Level B).

\*Employers have the option of paying all or part of member contributions on behalf of their employees.

**Interest** . . . . . 8% on member contributions.

# Noncontributory Retirement System

## Summary of Plan Provisions

Description	Requirement																		
<b>Membership Eligibility</b>	<p>... The Public Employees Noncontributory Retirement System was established on July 1, 1986. All eligible employees of the State and School entities hired subsequent to that date are automatically members of the Noncontributory System. Local government entities had the option of adopting the new System or remaining with the Contributory System. An employee is qualified for membership in the Noncontributory System if his or her employer participates in the System and the employee works at least 20 hours per week and receives benefits normally provided by his or her employer as approved by the Retirement Board, teachers who teach half-time, and classified school employees who work an average of 20 hours or more per week, regardless of benefits provided.</p>																		
<b>Vesting</b>	<p>... Retirement benefit becomes vested upon the member's completion of 4 years of qualifying service.</p>																		
<b>Service Retirement</b>	<table border="1"> <thead> <tr> <th>Age</th> <th>Years of Service</th> <th>Allowance Reduction†</th> </tr> </thead> <tbody> <tr> <td>Any age</td> <td>30</td> <td>None</td> </tr> <tr> <td>Any age</td> <td>25</td> <td>Full actuarial before age 60</td> </tr> <tr> <td>60-61</td> <td>20</td> <td>3% each year before age 65</td> </tr> <tr> <td>62-64</td> <td>10</td> <td>3% each year before age 65</td> </tr> <tr> <td>65</td> <td>4</td> <td>None</td> </tr> </tbody> </table> <p>†With fewer than 30 years of service from any combination of Utah Retirement Systems, retiring before age 65 will reduce the monthly benefit approximately 7% for every year under age 60 and 3% for each year between ages 60 and 65.</p>	Age	Years of Service	Allowance Reduction†	Any age	30	None	Any age	25	Full actuarial before age 60	60-61	20	3% each year before age 65	62-64	10	3% each year before age 65	65	4	None
Age	Years of Service	Allowance Reduction†																	
Any age	30	None																	
Any age	25	Full actuarial before age 60																	
60-61	20	3% each year before age 65																	
62-64	10	3% each year before age 65																	
65	4	None																	
<b>Service Benefit Formula</b>	<p>... Number of years of service x 2.0% x FAS*.                      *FAS (Final Average Salary) = highest three years' earnings converted to a monthly average. Yearly salary increases are limited to 10% plus a COLA determined by the CPI.</p>																		
<b>Cost of Living Allowance</b>	<p>... Up to 4% annually on the original retirement benefit. Eligible after one year.</p>																		
<b>Death Benefits</b>	<p>... An active member's death benefit consists of an insurance payment equal to 75% of the highest annual salary with a minimum of \$1,000 and a refund of transferred contributions plus interest. The spouse of a deceased member is eligible for a monthly benefit if they have been married for at least six months and the member meets age and service qualifications or has 15 or more years of service credit.</p> <p>An inactive member's death benefit for someone with fewer than ten years of service consists of a refund of transferred contributions plus interest. For those with ten or more years of service credited to their account prior to July 1, 1987 and who have not withdrawn their contributions, the benefit is the same as for active members.</p> <p>A retired member's death benefit depends on which retirement plan was selected at retirement. No death benefit is available without a reduced retirement benefit.</p>																		
<b>Refunds</b>	<p>... A terminated member who transferred from the Contributory Retirement System is eligible for a 100% refund of transferred member contributions plus interest. There is a 60-day refund processing period after the last day of paid employment.</p>																		
<b>Redeposits</b>	<p>... A redeposit with interest may be made in monthly installments, by a lump-sum payment, or by direct transfer from a qualified plan. A redeposit must be completed prior to retirement. Service credit is restored when the redeposit is completed.</p>																		
<b>Contribution Rates</b> <i>(as of 12-31-01)</i>	<p>... Employer rate for State &amp; School (Level A) is 10.40% of covered salary and 8.20% for Local Government (Level B).</p>																		
<b>Interest</b>	<p>... 8% on member contributions transferred from the Contributory Retirement System.</p>																		

# Public Safety

## Retirement System

### Summary of Plan Provisions

Description	Requirement
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**Membership Eligibility** . . . . The Public Safety Retirement System includes eligible state and local government employees directly involved in law enforcement. The Public Safety System consists of the Contributory and Noncontributory divisions. Employees are qualified for membership in the Public Safety System if: (1) they are employed 2,080 hours a year in a recognized public safety department; (2) they have completed a certified training program; and (3) their primary duty is as a peace officer, correctional officer or special function officer.

**Vesting** . . . . . Retirement benefit becomes vested upon the member's completion of 4 years of service credit. Eligible member contributions vest immediately.

Service Retirement . . . . . Age	Years of Service	Allowance Reduction
Any age . . . . .	20 . . . . .	None
60 . . . . .	10 . . . . .	None
65 . . . . .	4 . . . . .	None

**Service Benefit Formula** . . . . 1)  $2.5\% \times \text{FAS}^* \times \text{years of service up to 20 years.}$   
 2)  $2.0\% \times \text{FAS}^* \times \text{years of service over 20 years.}$   
 3) Monthly benefit = total of 1 and 2. \*\*  
 \*FAS (Final Average Salary) = highest three years' earnings converted to a monthly average. Yearly salary increases are limited to 10% plus a COLA determined by the CPI.  
 \*\*Benefits paid cannot exceed 70% of FAS.

**Cost of Living Allowance** . . . Up to 2.5% annually on original retirement benefit. Eligible after one year.

**Death Benefits** . . . . . **Division A (with Social Security)**  
 If death is in the line of duty, the benefit to the surviving spouse is \$1,000 plus a monthly benefit of 30% of the final average salary. In the noncontributory system only, if death is in the line of duty, and the member has 20 years of service credit, the spouse's benefit is the same as for a retired member. If death is not in the line of duty, the benefit is \$1,000 or a refund of contributions for members with fewer than 10 years of service. For more than 10 years of service, the benefit to the surviving spouse is \$500 plus a monthly benefit of 2% of the final average salary for each year of service to a maximum of 30% of the final average salary. If there is no spouse, the settlement is a 100% refund of vested contributions payable to the beneficiary, or \$500, whichever is greater. Dependent children receive no additional benefits. A retired member's death benefit to the surviving spouse is 65% of the monthly benefit.

**Division B (without Social Security)**  
 If death is in the line of duty, the benefit to the surviving spouse is \$1,500 plus a monthly benefit of 37.5% of the final average salary. Each unmarried child under 18 receives \$50 per month if the member had two or more years of service. If death is not in the line of duty, the benefit is a refund of contributions plus 50% of the last 12 months of salary for members with fewer than two years of service. For members with more than two years of service, the benefit is the same as that for death in the line of duty. If there is no spouse, the settlement is a 100% refund of vested contributions payable to the beneficiary, or \$500, whichever is greater. A retired member's death benefit to a surviving spouse is 65% of the monthly benefit. An unmarried child under 18 receives \$50 per month.

**Public Safety Retirement System**

*Summary of Plan Provisions (Continued)*

Description	Requirement
<b>Refunds</b> . . . . .	A terminated member is eligible for a 100% refund of member contributions. There is a 60-day refund processing period after the last day of paid employment.
<b>Redeposits</b> . . . . .	A redeposit with interest may be made in monthly installments, by a lump-sum payment, or by direct transfer from a qualified plan. A redeposit must be completed prior to retirement. Service credit is restored when the redeposit is completed.
<b>Contribution Rates</b> . . . . . <i>(as of 12-31-01)</i>	<p><b>Contributory Option</b>                      Member rates in Division A are: State units 12.29%; and all other units 12.29% of covered salary. Member rates in Division B are: Salt Lake City 13.74%; Ogden 13.18%; Logan 11.13%; Provo 13.54%; and other units 10.50% of covered salary.*                      Employer rates for Division A are: State units 8.81%; and other law enforcement units 2.41% of covered salary. Employer rates for Division B are: Salt Lake City 18.21%; Ogden 9.08%; Logan 2.93%; Provo 9.72%; and other units 6.43% of covered salary.                      *Employers have the option of paying all or part of member contributions on behalf of their employees.</p> <p><b>Noncontributory Option</b>                      Employer rates for Division A are: State units 19.68%; Bountiful 19.03%; and other units 14.08% of covered salary. Employer rates for Division B are: Salt Lake City 30.72%; Ogden 21.06% and all other units 16.75% of covered salary.</p>
<b>Interest</b> . . . . .	8% on member contributions in the Contributory System.

# Firefighters

## Retirement System

### Summary of Plan Provisions

Description	Requirement
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**Membership Eligibility** . . . . The Firefighters Retirement System includes eligible state and local government employees directly involved in fire fighting and whose duties are classified as hazardous. If an employer does not classify the duties as hazardous, the employee will be enrolled in either the Public Employees Contributory or Noncontributory Retirement System. Employees are qualified for membership in the Firefighters System if they are employed 2,080 hours a year in a regular constituted fire department and are regularly assigned to hazardous duty. Although volunteer firefighters who are on the rolls of a regularly constituted fire department do not contribute to the System and are not eligible for service retirement benefits, they or their beneficiaries receive benefits based on the salary of the lowest paid firefighters in a first-class city if they are disabled or killed in the line of duty.

**Vesting** . . . . . Retirement benefit becomes vested upon the member's completion of 4 years of service credit. Eligible member contributions vest immediately.

Service Retirement	Age	Years of Service	Allowance Reduction
	Any age	20	None
	60	10	None
	65	4	None

**Service Benefit Formula** . . . 1) 2.5% x FAS\* x years of service up to 20 years.  
 2) 2.0% x FAS\* x years of service over 20 years.  
 3) Monthly benefit = total of 1 and 2. \*\*  
 \*FAS (Final Average Salary) = highest three years' earnings converted to a monthly average.  
 Yearly salary increases are limited to 10% plus a COLA determined by the CPI.  
 \*\*Benefits paid cannot exceed 70% of FAS, but cannot be less than \$500.

**Cost of Living Allowance** . . . Up to 4.0% annually on original retirement benefit. Eligible after one year.

**Disability Benefits** . . . . . If disability is in the line of duty, the benefit is 50% of the final average salary with no minimum age or service requirements. If disability is not in the line of duty, the benefit is a refund of contributions for members with fewer than five years of service. For members with more than five years of service, the benefit is the same as that for disability incurred in the line of duty. Benefits are suspended while receiving Workers Compensation.

**Death Benefits** . . . . . **Division A (with Social Security)**  
 If death is in the line of duty, the benefit to the surviving spouse is \$1,500 plus a monthly benefit of 30% of final average salary.  
 If death is not in the line of duty, the benefit is \$1,000 or a refund of contributions for members with fewer than 10 years of service. For members with more than 10 years of service, the benefit to the surviving spouse consists of \$500 plus a monthly benefit of 2% of the final average salary for each year of service to a maximum of 30% of the final average salary. If death is in the line of duty, and the member has 20 or more years of service credit, the spouse's benefit is the same as for a retired member. Total benefits cannot exceed 70% of the final average salary.



**Firefighters Retirement System**

*Summary of Plan Provisions (Continued)*

Description	Requirement
	<p><b>Division B (without Social Security)</b>                      If death is in the line of duty, the benefit to the surviving spouse is \$1,500 plus a monthly benefit of 37.5% of the final average salary. Each unmarried child under 21 receives \$75 per month if the member had five or more years of service. If death is in the line of duty, and the member has 20 or more years of service credit, the spouse's benefit is the same as for a retired member.</p> <p>If death is not in the line of duty, the benefit is a refund of contributions plus 50% of the last 12 months of salary for members with fewer than five years of service. For members with more than five years of service, the benefit is the same as that for death in the line of duty. If there is no spouse, the settlement is a 100% refund of vested contributions payable to the beneficiary, or \$500, whichever is greater. Total benefits cannot exceed 70% of the final average salary.</p> <p>A retired member's death benefit to a surviving spouse is 75% of the monthly benefit with a minimum monthly payment of \$350. An unmarried child under 21 receives \$75 per month.</p>
<b>Refunds</b> . . . . .	A terminated member is eligible for a 100% refund of member contributions. There is a 60-day refund processing period after the last day of paid employment.
<b>Redeposits</b> . . . . .	A redeposit with interest may be made in monthly installments, by a lump-sum payment, or by direct transfer from a qualified plan. A redeposit must be completed prior to retirement. Service credit is restored when the redeposit is completed.
<b>Contribution Rates</b> . . . . . <i>(as of 12-31-01)</i>	Member rate in Division A is 6.77% of covered salary. Member rate in Division B is 8.43% of covered salary.* Employer rate in Division A is 0.00% and in Division B is 0.00% of covered salary. A fire insurance premium tax equal to 8.28% of salaries is also an additional part of the employer contribution rates.  Fire insurance premium taxes are collected by the Utah State Treasurer for the Firefighters Retirement System to help fund retirement benefits.  *Employers have the option of paying all or part of member contributions on behalf of their employees.
<b>Interest</b> . . . . .	Member contributions receive no interest.

# Judges Retirement System

## Summary of Plan Provisions

Description	Requirement															
<b>Membership Eligibility</b>	The Judges Retirement System includes justices and judges of the Supreme Court, appellate, district and juvenile courts.															
<b>Vesting</b>	Retirement benefit becomes vested upon the member's completion of 6 years of service credit. Eligible member contributions and interest thereon vest immediately.															
<b>Service Retirement</b>	<table border="1"> <thead> <tr> <th>Age</th> <th>Years of Service</th> <th>Allowance Reduction</th> </tr> </thead> <tbody> <tr> <td>Any age</td> <td>25</td> <td>None</td> </tr> <tr> <td>55</td> <td>20</td> <td>Full actuarial reduction</td> </tr> <tr> <td>62</td> <td>10</td> <td>None</td> </tr> <tr> <td>70</td> <td>6</td> <td>None</td> </tr> </tbody> </table>	Age	Years of Service	Allowance Reduction	Any age	25	None	55	20	Full actuarial reduction	62	10	None	70	6	None
Age	Years of Service	Allowance Reduction														
Any age	25	None														
55	20	Full actuarial reduction														
62	10	None														
70	6	None														
<b>Service Benefit Formula</b>	<ol style="list-style-type: none"> <li>5.00% x FAS* x years of service up to 10 years.</li> <li>2.25% x FAS* x years of service between 10 and 20 years.</li> <li>1.00% x FAS* x years of service over 20 years.</li> <li>Monthly benefit = total of 1, 2, and 3.*</li> </ol> <p>*FAS (Final Average Salary) = highest two years' earnings in judicial service converted to a monthly average. Yearly salary increases are limited to 10% plus a COLA determined by the CPI.                      **Benefits paid cannot exceed 75% of FAS.</p>															
<b>Service Living Allowance</b>	Up to 4% compounded annually, beginning one year after retirement.															
<b>Death Benefits</b>	<p>An active or inactive member's death benefit to the surviving spouse consists of a refund of member contributions and interest plus 65% of the final average salary on a yearly rate, or a monthly allowance equal to 65% of the amount computed for a service retirement with no early retirement reduction.</p> <p>A retired member's death benefit to the surviving spouse is 65% of the member's monthly benefit at the time of death. If the member elected a reduced monthly benefit, the surviving spouse will receive a death benefit of 75% of the member's monthly benefit.</p>															
<b>Refunds</b>	A terminated member is eligible for a 100% refund of member contributions plus interest. There is a 60-day refund processing period after the last day of paid employment.															
<b>Redeposits</b>	A redeposit with interest may be made in monthly installments, by a lump-sum payment, or by direct transfer from a qualified plan. A redeposit must be completed prior to retirement. Service credit is restored when the redeposit is completed.															
<b>Contribution Rates (as of 12-31-01)</b>	<p><b>Noncontributory Option</b>                      Employer rate includes 5.55% of covered salary and 18.93% from court fees.</p> <p><b>Contributory Option</b>                      Member rate is 5.55% of covered salary. Employer rate includes 0.00% of covered salary and 18.93% from court fees.</p>															
<b>Interest</b>	8% on member contributions.															

# Governors & Legislative Pension Plan

## Summary of Plan Provisions

Description	Requirement									
<b>Membership Eligibility</b>	The Governors and Legislative Pension Plan includes only governors and legislators of the State of Utah.									
<b>Vesting</b>	Retirement benefit becomes vested upon the member's completion of 4 years of service credit.									
<b>Service Retirement</b>	<table border="1"> <thead> <tr> <th>Age</th> <th>Years of Service</th> <th>Allowance Reduction</th> </tr> </thead> <tbody> <tr> <td>65</td> <td>4</td> <td>None</td> </tr> <tr> <td>62</td> <td>10</td> <td>3% each year before age 65</td> </tr> </tbody> </table>	Age	Years of Service	Allowance Reduction	65	4	None	62	10	3% each year before age 65
Age	Years of Service	Allowance Reduction								
65	4	None								
62	10	3% each year before age 65								
<b>Service Benefit Formula</b>	<p><b>Governors</b>                      \$500 per month per term increased semi-annually up to 2% based on the CPI. The amount as of 12-31-01 is \$1,060 per term.</p> <p><b>Legislators</b>                      \$10 per month per each year of service as a legislator increased semi-annually up to 2% based on the CPI. The amount as of 12-31-01 is \$23.60.</p>									
<b>Cost of Living Allowance</b>	Up to 4% annually on the original retirement benefit. Eligible after one year.									
<b>Death Benefits</b>	An active or retired member's death benefit to a spouse consists of a monthly pension equal to 50% of the retirement allowance paid, or to which the member would have been entitled to upon reaching age 65, if the member has four or more years of service as a governor or legislator. The deceased member and surviving spouse must have been married at least six months.									
<b>Contribution Rates</b>	There are currently no required contributions to the Governors and Legislative Pension Plan.									

## Utah Retirement Systems

## Changes in Plan Provisions

**R**etirement related legislation passed in the 2001 Session comprised three bills. A technical amendments bill, such as House Bill 36, typically clarifies or codifies current policies or practices in the administration of the Retirement Law.

### General

#### HB 36

- Allows members to buy service credit while on disability in the absence of benefit protection contract.
- Lets an employee transfer vested retirement contributions to another qualified plan if his or her employer leaves the Utah Retirement Systems.
- Under certain circumstances allows a post-retirement employer payment to be paid to a defined contribution plan administered by URS, if the employer participates in the URS Defined Contribution plans; or to a defined contribution plan offered by the employer if the employer does not participate in the URS Defined Contribution plan.
- Clarifies payment process under domestic relations orders.

- Clarifies procedures in administrative hearings.
- Makes post-retirement rules consistent for all retirees.
- Stipulates that leased employees are subject to the Utah State Retirement Act.
- Allows certain legislative directors to exempt from the defined benefit plan.
- Clarifies the scope of benefits and service credit accrual under the firefighter disability plan.
- Makes firefighter disability payments tax exempt in accordance with federal law.

### Public Employees Retirement Systems

**SB 171** increases the retirement formula for service rendered before July 1, 1967, from 1.1% per year to 1.25% per year of service credit for current and future retirees. This becomes effective July 1, 2001, and will be paid on the check at the end of July 2001.

### Public Safety Retirement System

**SB 85** modifies the Public Safety Contributory Retirement System to allow elected sheriffs to retire from that system and continue in elected office. This amendment makes the Public Safety Contributory Retirement System equal in this provision with the Public Safety Non-contributory Retirement System.

# 401(k) and 457 Plans

## Summary of Plan Provisions

### Introduction

**U**tah Retirement Systems' 401(k) and 457 Plans are voluntary tax-deferred retirement savings programs authorized under sections 401(k) and 457 of the Internal Revenue Code. These plans are available to state, local government, and education employees throughout Utah whose employers have adopted the Plans.

### Goals and Objectives

The purpose of these plans is to allow public employees throughout Utah to adequately prepare themselves for retirement by investing a portion of their income (before taxes) in one or both of these supplemental retirement plans.

It has long been recognized that in order for people to experience the comfortable and rewarding retirement they desire, they cannot rely entirely upon Social Security and their employer provided retirement. Employees must take the initiative to personally put aside a portion of their salary into some type of long-term savings plan. These tax-deferred defined contribution plans provide exceptional vehicles to accomplish the goal of a well balanced retirement plan. Employees who begin participating in these plans early in their careers can accumulate sizeable assets by the time they retire.

### Employer Contributions

In addition to accepting employee deferrals, these plans also accept employer contributions on behalf of their employees. All state and public education employees participating in the Noncontributory Retirement System receive an amount equal to 1.5% of their salary in the 401(k) Plan. All local government employers also have the option of contributing to the 401(k) Plan on behalf of their employees. Many contribute amounts in excess of the 1.5% the State contributes. Some employers match employee contributions.

### Social Security Substitute

Local governments that have exempted themselves from Social Security coverage and have part-time, temporary, or seasonal employees, who are not participating in a qualifying retirement system, must now cover these employees with a substitute Social Security plan.

Employers may use the 401(k) / 457 Plans as a qualifying retirement system for these employees, but must contribute a minimum of 7.5% of salary to the Plan(s) in their behalf for it to be considered a "qualifying system". The employer may contribute the 7.5% themselves, or they may require their employees to pay a portion or all of it.

### Summary of Plan Provisions

#### Deferral Limits

401(k)—Limited in 2001 to an annual maximum of \$10,500 (indexed). Deferrals to 401(k) plans are limited to 25% of compensation, including employer contributions.

457—Limited to an annual maximum of \$8,500 or 33.3% of includable compensation.

#### Coordination of Deferrals

Deferrals to the 401(k), 457, and 403(b) plans were coordinated. If participating in the 457 Plan, the maximum in all plans combined was \$8,500.

#### Catch-up Provisions

401(k)—None.

457—Allowable only during the last three years before the year of retirement. Participants could contribute the difference between actual and maximum deferrals for prior years up to an additional \$7,000 each year with a maximum of \$15,000.

#### Withdrawals

401(k)—Allowable upon termination of employment, age 59 1/2, retirement, disability, death, or hardship caused by immediate and heavy financial needs.

457—Allowable upon termination of employment, retirement, disability, death, or severe unforeseeable financial emergencies.

#### Rollovers

401(k)—Allowable to or from another qualified plan or to an IRA upon termination or other qualifying circumstance. May be either a direct rollover by the Plan or by the participant within 60 days after distribution.

457—Direct transfers to or from another 457 Plan are permitted.

#### Vesting

401(k)—Fully vested.

457—Fully vested.

**401(k) and 457 Plans***Summary of  
Plan Provisions (Continued)***Loans**

401(k)—Available up to 50% of member account balance, to a maximum of \$50,000. Only one outstanding loan allowed.

457—None.

**Investment Transfer Options**

Changes in deferral amounts and in the investment options for current contributions may be made at any time. Also, accumulated balances may be transferred from one investment option to another on a daily basis. The Internal Revenue Code did not allow transfers between the 401(k) and 457 plans.

**2001 Investment Options****Income Fund**

The *Income Fund* is a stable value option which invests in a diversified portfolio consisting of U.S. government securities, mortgages, corporate bonds, guaranteed investment contracts, and short-term funds. This fund is the most conservative of the investment options and offers the most stable return.

**Bond Fund**

The *Bond Fund* invests in a diversified portfolio consisting of U.S. government securities, mortgages, corporate bonds, and short-term funds. This fund's return is affected by changes in the interest rates.

**Balanced Fund**

The *Balanced Fund* invests in a portfolio consisting of approximately 60% stocks, 35% bonds and 5% short-term funds. This fund is considered less risky than most stock investments but has higher risk than most fixed income investments.

**Large Cap Stock Value Fund**

The *Large Cap Stock Value Fund* invests in a diversified portfolio of common stocks that appear to be undervalued by the stock market but have a favorable outlook for long-term growth.

**Large Cap Stock Index Fund**

The *Large Cap Stock Index Fund* invests in stocks included in the Standard & Poor's 500 Index. This fund represents a broad range of industries in the U.S. economy.

**Large Cap Stock Growth Fund**

The *Large Cap Stock Growth Fund* emphasizes capital appreciation and seeks to identify companies with future relative earnings strength at a reasonable valuation.

**International Fund**

The *International Fund* invests primarily in stocks of companies outside of the United States. This fund offers international diversification, but adds currency risk and country risk not found in a U.S. fund. Accordingly, the risk and return potential of this fund is considered greater than a large cap U.S. fund.

**Small Cap Stock Fund**

The *Small Cap Stock Fund* invests in U.S. small companies listed on the New York Stock Exchange, the American Stock Exchange, and the NASDAQ national market system. Small company stocks have the potential for greater returns than large company stocks, and conversely have a greater risk of loss. Significant price fluctuations are more likely than in the other investment options. However this fund is well diversified and invests in over 3,000 companies.

**Horizon Funds**

A *Horizon Fund* asset allocation is designed to help those who want to diversify their investment. If they select one of the three Horizon Funds, contributions will be allocated to the investment options according to the following table. The Horizon Funds will generally rebalance quarterly if target ranges are exceeded. Utah Retirement Systems reserves the right to change these percentages as needed.

The *Short Horizon Fund* is designed for investors expecting to withdraw their funds within five years. This fund provides a relatively conservative investment with a more stable rate of return. However, with reduced market risk there is usually a lower rate of return.

The *Medium Horizon Fund* is designed for investors planning to withdraw their funds in five to ten years. This fund emphasizes moderate risk and moderate earnings potential. It has more risk than the Short Horizon Fund, but less than the Long Horizon Fund.

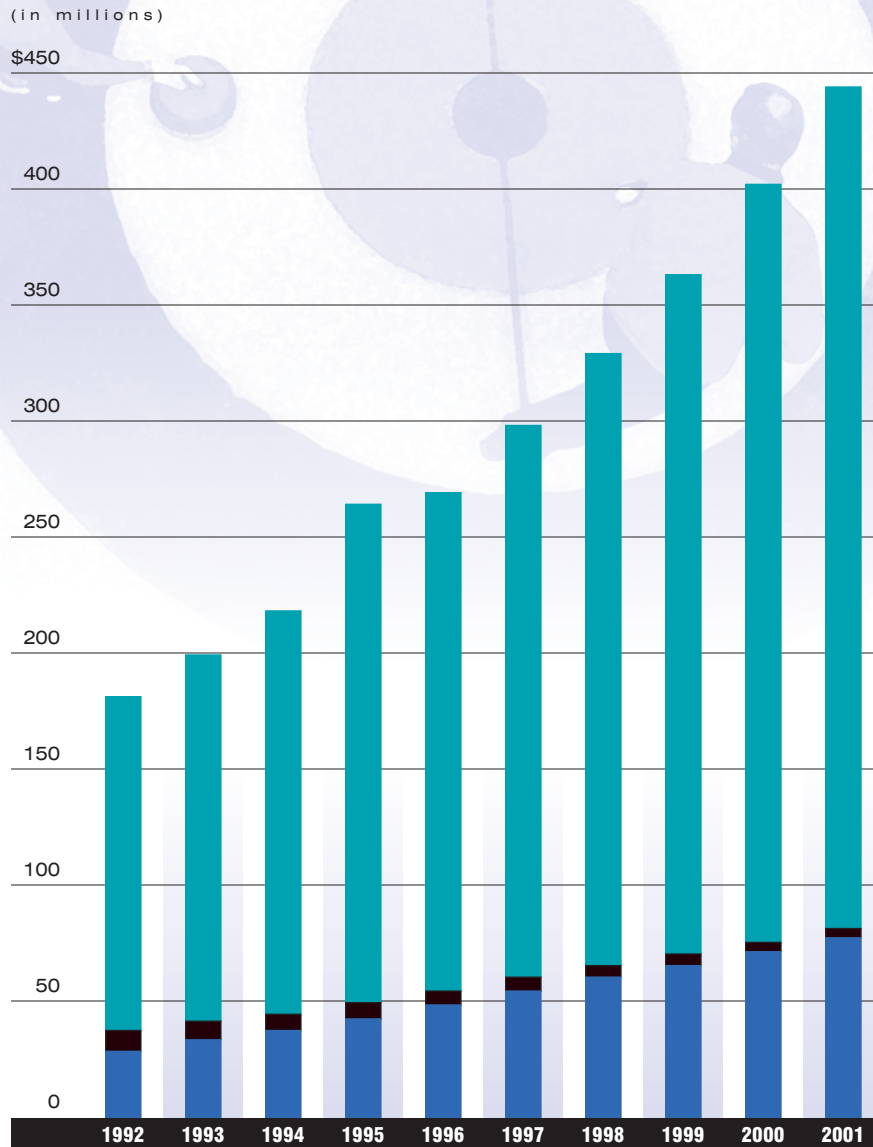
The *Long Horizon Fund* is designed for investors with ten or more years to invest before withdrawing their funds. The fund offers the potential for higher returns over a long period of time. There is higher market risk with this horizon fund, along with higher potential returns.

The historical rates of returns for each investment fund are found on page 91.

**HORIZON FUNDS ASSET ALLOCATIONS**

	Short Horizon Fund	Medium Horizon Fund	Long Horizon Fund
Income Fund	20%	—%	—%
Bond Fund	65	45	20
Large Cap Stock Value Fund	—	10	10
Large Cap Stock Index Fund	10	15	25
Large Cap Stock Growth Fund	—	10	10
International Fund	5	15	25
Small Cap Stock Fund	—	5	10
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

## All Retirement Systems Benefits by Type



(in millions)

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Service & Disability	\$144	158	174	215	215	238	264	293	327	363
Additional Benefits	9	8	7	7	6	6	5	5	4	4
Cost of Living Benefits	29	34	38	43	49	55	61	66	72	78
<b>Totals</b>	<b>\$182</b>	<b>200</b>	<b>219</b>	<b>264</b>	<b>270</b>	<b>299</b>	<b>330</b>	<b>364</b>	<b>403</b>	<b>445</b>

# Statistical *Section*

- 118** Schedules of Additions by Source
- 119** Schedules of Deductions by Type
- 120** Schedules of Benefit Deductions by Type
- 121** Schedules of Retired Members by Type of Benefit Option
- 122** Schedules of Average Benefit Payments
- 124** Schedules of Participating Employers

## Schedules of Additions by Source

Year Ended December 31

(dollars in thousands)

System	Year	Total Employer Contributions			Employer Contributions as a Percent of Covered Payroll	Net Investment Income	Transfers from Systems	Total Additions
		Member Contributions	Employer Contributions	Court Fees and Premium Tax				
<b>Contributory Retirement System</b>	1992	\$17,171	19,142	—	6.69%	\$ 65,920	166	102,399
	1993	17,630	17,938	—	6.10	123,303*	17	158,888
	1994	17,646	18,719	—	6.51	2,193	4,489	43,047
	1995	16,362	17,723	—	6.77	193,708	21,817	249,610
	1996	8,765	10,224	—	7.20	123,006	—	141,995
	1997	8,537	10,651	—	7.71	133,286	—	152,474
	1998	8,399	10,729	—	7.83	84,692	1,735	105,555
	1999	8,525	10,840	—	7.88	148,794	1,770	169,929
	2000	8,464	10,484	—	7.43	17,543	—	36,491
	2001	8,604	8,480	—	5.93	(47,761)	—	(30,677)
<b>Noncontributory Retirement System</b>	1992	\$ 2,643	171,505	—	12.41%	\$ 254,565	4,449	433,162
	1993	2,410	174,227	—	11.79	1,066,354*	26,213	1,269,204
	1994	2,937	194,202	—	11.83	9,886	217	207,242
	1995	5,614	220,955	—	12.26	943,721	101,449	1,271,739
	1996	6,679	260,068	—	12.66	832,473	157,272	1,256,492
	1997	7,301	294,937	—	13.40	1,047,207	50,333	1,399,778
	1998	7,698	318,635	—	13.47	734,399	27,219	1,087,951
	1999	10,829	338,704	—	13.55	1,421,401	28,034	1,798,968
	2000	11,518	352,339	—	13.25	186,787	51,020	601,664
	2001	10,969	331,951	—	11.72	(544,848)	5,255	(196,673)
<b>Public Safety Retirement System</b>	1992	\$ 5,707	19,441	—	16.08%	\$ 36,090	615	61,853
	1993	5,897	16,960	—	12.21	80,052*	476	103,385
	1994	5,777	18,895	—	12.70	1,345	605	26,622
	1995	4,318	24,732	—	15.46	127,222	510	156,782
	1996	4,151	29,271	—	16.54	107,070	434	140,926
	1997	4,345	34,217	—	17.51	132,490	918	171,970
	1998	4,463	40,099	—	18.88	92,284	1,938	138,784
	1999	3,900	45,110	—	19.96	177,027	2,305	228,342
	2000	4,132	49,353	—	19.90	23,226	2,027	78,738
	2001	3,976	46,113	—	17.68	(67,688)	1,416	(16,183)
<b>Firefighters Retirement System</b>	1992	\$ 5,337	2,344	2,065	12.07%	\$ 15,914	103	25,763
	1993	5,530	2,121	2,839	13.09	35,008*	4	45,502
	1994	6,199	1,961	3,537	13.69	589	—	12,286
	1995	6,976	1,685	4,862	15.22	55,580	5	69,108
	1996	7,461	2,002	4,333	13.78	46,626	30	60,452
	1997	8,358	2,836	4,552	14.41	57,541	311	73,598
	1998	8,771	2,546	4,391	12.77	39,699	432	55,839
	1999	9,352	1,221	4,516	9.97	75,242	466	90,797
	2000	9,617	140	6,615	10.68	9,733	1,303	27,408
	2001	7,549	—	8,354	12.43	(28,038)	1,517	(10,618)
<b>Judges Retirement System</b>	1992	\$ 523	304	1,741	31.28%	\$ 2,206	7	4,781
	1993	561	405	1,855	32.23	6,664*	—	9,485
	1994	572	504	1,709	31.82	86	258	3,129
	1995	654	680	1,670	29.74	8,333	292	11,629
	1996	734	833	1,898	30.41	7,114	102	10,681
	1997	482	1,305	1,901	34.53	8,933	754	13,375
	1998	15	1,792	1,912	39.45	6,260	427	10,406
	1999	8	1,637	1,681	32.84	12,048	116	15,490
	2000	8	1,476	1,946	32.91	1,571	183	5,184
	2001	7	1,007	2,046	27.95	(4,559)	239	(1,260)
<b>Governors and Legislative Pension Plan</b>	1992	\$ —	—	—	—%	\$ 552	—	552
	1993	—	—	—	—	1,315*	—	1,315
	1994	—	—	—	—	19	—	19
	1995	—	—	—	—	1,604	—	1,604
	1996	—	—	—	—	1,270	—	1,270
	1997	—	—	—	—	1,481	15	1,496
	1998	—	—	—	—	973	16	989
	1999	—	—	—	—	1,757	17	1,774
	2000	—	—	—	—	218	16	234
2001	—	—	—	—	(595)	18	(577)	

\*Year the accounting method was changed to record unrealized gains and losses on the fair value of investments.



*Schedules of Deductions by Type*

Year Ended December 31

(in thousands)

System	Year	Benefit Payments	Refunds	Administrative & Actuarial Expense	Transfers to Systems	Total Deductions
<b>Contributory Retirement System</b>	1992	\$ 66,068	7,111	1,322	4,695	79,196
	1993	65,956	4,057	1,213	26,615	97,841
	1994	65,824	5,606	1,178	252	72,860
	1995	65,588	5,342	1,214	101,504	173,648
	1996	64,494	4,833	985	157,599	227,911
	1997	63,884	4,735	794	51,957	121,370
	1998	62,249	4,168	743	27,742	94,902
	1999	61,141	4,232	789	27,399	93,561
	2000	60,317	5,040	680	54,549	120,586
	2001	59,575	3,087	654	8,445	71,761
<b>Noncontributory Retirement System</b>	1992	\$ 86,442	4,976	4,208	621	96,247
	1993	101,551	3,819	4,418	112	109,900
	1994	118,240	3,521	4,616	5,301	131,678
	1995	137,928	3,571	5,138	22,559	169,196
	1996	161,036	4,774	5,721	326	171,857
	1997	186,262	4,995	6,323	304	197,884
	1998	213,752	4,500	6,460	3,502	228,214
	1999	243,829	4,343	7,093	4,703	259,968
	2000	276,878	5,292	6,850	—	289,020
	2001	311,311	3,264	6,695	—	321,270
<b>Public Safety Retirement System</b>	1992	\$ 18,745	1,236	649	24	20,654
	1993	20,560	946	642	—	22,148
	1994	22,634	936	664	17	24,251
	1995	25,271	737	714	—	26,722
	1996	28,223	895	766	—	29,884
	1997	30,972	611	792	—	32,375
	1998	34,374	639	803	44	35,860
	1999	38,549	731	916	7	40,203
	2000	42,769	971	840	—	44,580
	2001	48,607	542	843	—	49,992
<b>Firefighters Retirement System</b>	1992	\$ 9,494	270	312	1	10,077
	1993	9,978	68	308	—	10,354
	1994	10,734	60	300	—	11,094
	1995	11,769	181	320	—	12,270
	1996	12,888	84	331	2	13,305
	1997	14,321	298	331	19	14,969
	1998	15,741	274	325	493	16,833
	1999	16,955	292	361	596	18,204
	2000	18,738	312	319	—	19,369
	2001	20,778	543	318	—	21,639
<b>Judges Retirement System</b>	1992	\$ 1,359	—	56	49	1,464
	1993	1,958	—	62	—	2,020
	1994	2,193	73	61	19	2,346
	1995	2,355	—	53	5	2,413
	1996	2,472	—	55	—	2,527
	1997	2,690	8	55	80	2,833
	1998	3,002	—	53	—	3,055
	1999	3,160	—	59	—	3,219
	2000	3,322	—	52	—	3,374
	2001	3,659	—	52	—	3,711
<b>Governors and Legislative Pension Plan</b>	1992	\$ 387	1	5	—	393
	1993	419	2	7	—	428
	1994	445	—	7	—	452
	1995	485	6	7	—	498
	1996	504	1	7	—	512
	1997	519	1	6	—	526
	1998	538	—	6	—	544
	1999	583	2	6	—	591
	2000	662	1	6	—	669
	2001	691	2	6	—	699

## Schedules of Benefit Deductions by Type

Year Ended December 31

(in thousands)

System	Year	Service and Disability Benefits	Cost of Living Benefits	Supplemental Benefits	Total Benefits
<b>Contributory Retirement System</b>	1992	\$ 43,781	15,941	6,346	66,068
	1993	43,137	16,995	5,824	65,956
	1994	42,512	17,895	5,417	65,824
	1995	41,815	18,789	4,984	65,588
	1996	40,580	19,445	4,469	64,494
	1997	39,784	20,085	4,015	63,884
	1998	38,276	20,419	3,554	62,249
	1999	37,371	20,647	3,123	61,141
	2000	36,662	20,929	2,726	60,317
	2001	36,714	20,528	2,333	59,575
<b>Noncontributory Retirement System</b>	1992	\$ 76,867	9,575	—	86,442
	1993	89,142	12,409	—	101,551
	1994	102,729	15,511	—	118,240
	1995	118,986	18,942	—	137,928
	1996	138,373	22,663	—	161,036
	1997	159,169	27,093	—	186,262
	1998	182,013	31,739	—	213,752
	1999	207,798	36,031	—	243,829
	2000	236,377	40,501	—	276,878
	2001	265,102	46,209	—	311,311
<b>Public Safety Retirement System</b>	1992	\$ 15,640	2,156	949	18,745
	1993	17,130	2,503	927	20,560
	1994	18,871	2,862	901	22,634
	1995	21,048	3,317	906	25,271
	1996	23,499	3,817	907	28,223
	1997	25,741	4,347	884	30,972
	1998	28,600	4,923	851	34,374
	1999	32,245	5,494	810	38,549
	2000	35,900	6,105	764	42,769
	2001	41,084	6,801	722	48,607
<b>Firefighters Retirement System</b>	1992	\$ 6,852	1,407	1,235	9,494
	1993	7,250	1,541	1,187	9,978
	1994	7,890	1,708	1,136	10,734
	1995	8,728	1,973	1,068	11,769
	1996	9,638	2,224	1,026	12,888
	1997	10,836	2,510	975	14,321
	1998	11,987	2,821	933	15,741
	1999	12,950	3,116	889	16,955
	2000	14,496	3,403	839	18,738
	2001	16,207	3,775	796	20,778
<b>Judges Retirement System</b>	1992	\$ 1,104	255	—	1,359
	1993	1,641	317	—	1,958
	1994	1,833	360	—	2,193
	1995	1,976	379	—	2,355
	1996	2,045	427	—	2,472
	1997	2,216	474	—	2,690
	1998	2,464	538	—	3,002
	1999	2,590	570	—	3,160
	2000	2,704	618	—	3,322
	2001	2,965	694	—	3,659
<b>Governors and Legislative Pension Plan</b>	1992	\$ 291	96	—	387
	1993	316	103	—	419
	1994	336	109	—	445
	1995	365	120	—	485
	1996	383	121	—	504
	1997	399	120	—	519
	1998	411	127	—	538
	1999	450	133	—	583
	2000	520	142	—	662
	2001	547	144	—	691

## Schedules of Retired Members by Type of Benefit Option

December 31, 2001

System	Amount of Monthly Benefit	Number of Retirees by Benefit Option								
		1	2	3	4	5	6	7	8	9
<b>Contributory Retirement System</b>	\$1-1,000	2,579	1,751	791	222	479	232	—	—	—
	1,001-2,000	513	310	250	87	126	72	—	—	—
	2,001-3,000	136	104	64	24	17	13	—	—	—
	3,001-4,000	22	21	11	4	3	2	—	—	—
	4,001-5,000	5	2	1	—	1	1	—	—	—
	over-5,000	2	2	1	—	—	—	—	—	—
<b>Noncontributory Retirement System</b>	\$1-1,000	4,093	691	1,351	216	1,639	696	—	—	—
	1,001-2,000	2,031	276	1,246	197	1,295	631	—	—	—
	2,001-3,000	1,236	114	1,015	221	831	438	—	—	—
	3,001-4,000	208	17	249	91	130	94	—	—	—
	4,001-5,000	33	3	44	13	15	14	—	—	—
	over-5,000	10	—	17	5	2	3	—	—	—
<b>Public Safety Retirement System</b>	\$1-1,000	—	—	—	—	—	—	—	836	—
	1,001-2,000	—	—	—	—	—	—	—	1,025	—
	2,001-3,000	—	—	—	—	—	—	—	587	—
	3,001-4,000	—	—	—	—	—	—	—	118	—
	4,001-5,000	—	—	—	—	—	—	—	21	—
	over-5,000	—	—	—	—	—	—	—	2	—
<b>Firefighters Retirement System</b>	\$1-1,000	—	—	—	—	—	—	—	202	—
	1,001-2,000	—	—	—	—	—	—	—	248	—
	2,001-3,000	—	—	—	—	—	—	—	315	—
	3,001-4,000	—	—	—	—	—	—	—	90	—
	4,001-5,000	—	—	—	—	—	—	—	9	—
	over-5,000	—	—	—	—	—	—	—	3	—
<b>Judges Retirement System</b>	\$1-1,000	—	—	—	—	—	—	17	—	2
	1,001-2,000	—	—	—	—	—	—	10	—	2
	2,001-3,000	—	—	—	—	—	—	10	—	3
	3,001-4,000	—	—	—	—	—	—	3	—	2
	4,001-5,000	—	—	—	—	—	—	3	—	3
	over-5,000	—	—	—	—	—	—	13	—	10
<b>Governors and Legislative Pension Plan*</b>	\$1-1,000	—	—	—	207	—	—	—	—	—
	1,001-2,000	—	—	—	14	—	—	—	—	—
	2,001-3,000	—	—	—	6	—	—	—	—	—
	3,001-4,000	—	—	—	1	—	—	—	—	—
	4,001-5,000	—	—	—	1	—	—	—	—	—
	over-5,000	—	—	—	—	—	—	—	—	—

1- A maximum monthly benefit for the retiree's life. No benefit to a beneficiary.

2- A reduced lifetime benefit to the retiree. A beneficiary receives the balance in retiree's account after the monthly annuity payments are deducted.

3- A reduced lifetime benefit to a retiree and a lifetime benefit equal to the retiree's benefit payable to the retiree's lawful spouse at the time of retirement.

4- A reduced lifetime benefit to the retiree and a lifetime benefit equal to half of the retiree's benefit to the retiree's lawful spouse at the time of retirement.

5- Approximately 95% of the benefit in type 3 and the same lifetime benefit for retiree's lawful spouse at the time of retirement. Benefit reverts to 100% at time of spouse's death.

6- Approximately 98% of the benefit in type 4 and a lifetime benefit for equal to half of the retiree's for retiree's lawful spouse at the time of the retirement. Benefit reverts to 100% at time of spouse's death.

7- Normal retirement for age and service and a lifetime benefit of 65% of the retiree's benefit to the retiree's lawful spouse at the time of the retiree's death.

8- Normal retirement for age and service and a lifetime benefit of 75% of the retiree's benefit to the retiree's lawful spouse at the time of the retiree's death.

9- Normal retirement for age and service and a lifetime benefit of 75% of the retiree's benefit to the retiree's lawful spouse at the time of the retirement.

\* Governors & Legislative Pension Plan provides a normal lifetime pension to the retiree and 50% of the retiree's benefit to the retiree's lawful spouse at the time of death if the retiree had four or more years of service.

## Schedules of Average Benefit Payments

Year Ended December 31

System			Years of Credited Service					
			4-10	10-15	15-20	20-25	25-30	30+
<b>Contributory Retirement System</b>	1997	Average Monthly Benefit	\$ 228	485	547	822	1,714	2,180
		Average Final Average Salary	1,478	1,775	1,571	2,120	3,442	4,066
		Number of Active Retired	8	22	25	11	2	1
	1998	Average Monthly Benefit	\$ 225	546	659	872	818	1,754
		Average Final Average Salary	1,478	2,085	1,953	2,029	1,584	3,025
		Number of Active Retired	10	21	25	8	5	1
	1999	Average Monthly Benefit	\$ 282	598	667	776	1,572	1,161
		Average Final Average Salary	2,016	1,807	1,933	1,792	3,092	1,867
		Number of Active Retired	10	26	24	19	8	1
	2000	Average Monthly Benefit	\$ 300	553	542	1,024	1,482	1,666
		Average Final Average Salary	1,967	2,213	1,668	2,580	2,940	3,047
		Number of Active Retired	12	22	19	31	13	4
	2001	Average Monthly Benefit	\$ 237	445	756	998	1,724	1,599
		Average Final Average Salary	1,729	1,776	2,077	2,541	3,070	2,780
		Number of Active Retired	6	25	31	18	15	3
<b>Noncontributory Retirement System</b>	1997	Average Monthly Benefit	\$ 255	497	828	1,141	1,865	2,441
		Average Final Average Salary	1,749	2,024	2,409	2,727	3,320	3,767
		Number of Active Retired	218	214	197	186	362	252
	1998	Average Monthly Benefit	\$ 264	572	895	1,109	1,920	2,449
		Average Final Average Salary	1,816	2,259	2,541	2,546	3,359	3,909
		Number of Active Retired	249	192	204	186	386	265
	1999	Average Monthly Benefit	\$ 304	620	956	1,222	2,207	2,645
		Average Final Average Salary	1,827	2,464	2,664	2,755	3,655	4,078
		Number of Active Retired	272	217	249	189	473	316
	2000	Average Monthly Benefit	\$ 279	593	847	1,140	2,146	2,650
		Average Final Average Salary	1,965	2,371	2,637	2,808	3,878	4,231
		Number of Active Retired	278	240	212	209	457	313
	2001	Average Monthly Benefit	\$ 276	585	967	1,358	2,269	2,769
		Average Final Average Salary	2,095	2,348	2,920	3,115	4,050	4,374
		Number of Active Retired	251	220	226	182	431	267
<b>Public Safety Retirement System</b>	1997	Average Monthly Benefit	\$ 549	928	1,573	2,166	2,762	2,783
		Average Final Average Salary	3,446	2,901	3,228	3,713	4,072	3,885
		Number of Active Retired	22	13	44	29	10	5
	1998	Average Monthly Benefit	\$ 456	982	1,537	2,560	2,829	2,862
		Average Final Average Salary	3,205	3,021	3,154	3,868	4,205	3,986
		Number of Active Retired	30	19	57	35	21	8
	1999	Average Monthly Benefit	\$ 619	1,169	1,847	1,984	2,674	2,876
		Average Final Average Salary	3,960	3,349	3,446	3,558	3,997	4,062
		Number of Active Retired	19	18	41	44	33	5
	2000	Average Monthly Benefit	\$ 641	1,056	1,780	2,455	2,888	3,580
		Average Final Average Salary	3,545	3,190	3,585	4,077	4,267	4,763
		Number of Active Retired	27	12	50	32	24	6
	2001	Average Monthly Benefit	\$ 469	1,271	1,836	2,284	3,055	3,248
		Average Final Average Salary	3,854	3,886	3,777	4,035	4,486	4,566
		Number of Active Retired	52	28	54	70	53	14

*Schedules of Average Benefit Payments (Continued)*

Year Ended December 31

System			Years of Credited Service					
			4-10	10-15	15-20	20-25	25-30	30+
<b>Firefighters Retirement System</b>	1997	Average Monthly Benefit	\$ 992	1,108	2,084	2,180	2,898	2,839
		Average Final Average Salary	2,621	2,972	4,123	3,678	4,186	4,056
		Number of Active Retired	3	1	11	11	16	1
	1998	Average Monthly Benefit	\$1,239	—	2,111	2,280	2,492	3,031
		Average Final Average Salary	2,707	—	3,843	3,916	3,706	4,278
		Number of Active Retired	3	—	7	12	7	3
	1999	Average Monthly Benefit	\$1,235	1,272	1,943	2,673	2,915	3,100
		Average Final Average Salary	3,293	3,458	4,034	3,868	4,088	3,975
		Number of Active Retired	1	1	10	14	11	5
	2000	Average Monthly Benefit	\$ 753	1,160	2,045	2,611	2,785	3,920
		Average Final Average Salary	3,616	3,810	4,060	4,348	4,311	4,935
		Number of Active Retired	2	2	4	24	19	2
	2001	Average Monthly Benefit	\$ 789	1,255	2,212	2,523	2,901	2,853
		Average Final Average Salary	3,539	4,002	3,844	4,408	4,331	4,031
		Number of Active Retired	5	1	9	14	20	3
<b>Judges Retirement System</b>	1997	Average Monthly Benefit	\$ —	—	4,846	5,697	5,942	6,254
		Average Final Average Salary	—	—	7,236	7,215	7,323	7,392
		Number of Active Retired	—	—	1	1	1	2
	1998	Average Monthly Benefit	\$ —	4,620	4,923	5,718	—	—
		Average Final Average Salary	—	7,500	7,454	7,543	—	—
		Number of Active Retired	—	1	1	1	—	—
	1999	Average Monthly Benefit	\$ —	—	—	5,846	—	—
		Average Final Average Salary	—	—	—	7,543	—	—
		Number of Active Retired	—	—	—	1	—	—
	2000	Average Monthly Benefit	\$ —	—	—	6,348	6,257	—
		Average Final Average Salary	—	—	—	8,562	7,896	—
		Number of Active Retired	—	—	—	1	1	—
	2001	Average Monthly Benefit	\$2,702	5,080	—	6,222	—	7,240
		Average Final Average Salary	8,179	8,023	—	8,023	—	8,054
		Number of Active Retired	1	1	—	1	—	1
<b>Governors and Legislative Pension Plan</b>	1997	Average Monthly Benefit	\$ 136	—	—	—	—	—
		Average Final Average Salary	240	—	—	—	—	—
		Number of Active Retired	12	—	—	—	—	—
	1998	Average Monthly Benefit	\$ 174	271	326	—	—	—
		Average Final Average Salary	102	213	283	—	—	—
		Number of Active Retired	4	2	1	—	—	—
	1999	Average Monthly Benefit	\$ 143	278	329	—	682	—
		Average Final Average Salary	272	294	102	—	375	—
		Number of Active Retired	10	1	1	—	1	—
	2000	Average Monthly Benefit	\$ 148	258	—	—	—	—
		Average Final Average Salary	231	347	—	—	—	—
		Number of Active Retired	3	2	—	—	—	—
	2001	Average Monthly Benefit	\$ 142	329	—	—	—	—
		Average Final Average Salary	341	307	—	—	—	—
		Number of Active Retired	8	2	—	—	—	—

# Schedules of Participating Employers

- C = Public Employees Retirement System  
—Contributory
- N = Public Employees Retirement System  
—Noncontributory
- PS = Public Safety Retirement System
- F = Firefighters Retirement System
- D = 457 Plan
- K = 401(k) Plan

Employers Name C N PS F D K

## School Districts and Education Employers

Alpine School District .....	C	N			D	K
Beaver School District.....		N				K
Box Elder School District.....	C	N			D	K
Cache School District.....	C	N			D	K
Carbon School District .....	C	N			D	K
College of Eastern Utah .....	C	N			D	K
Daggett School District .....	C	N			D	K
Davis School District .....	C	N			D	K
Dixie College .....	C	N	PS			K
Duchesne School District.....	C	N			D	K
Emery School District.....	C	N			D	K
Garfield School District.....	C	N				K
Grand School District .....	C	N				K
Granite School District .....	C	N			D	K
Iron School District.....	C	N			D	K
Jordan School District .....	C	N			D	K
Juab School District .....	C	N			D	K
Kane School District.....	C	N			D	K
Logan School District .....	C	N			D	K
Millard School District .....	C	N				K
Morgan School District.....		N			D	K
Murray School District.....	C	N			D	K
Nebo School District .....	C	N			D	K
North Sanpete School District.....	C	N			D	K
North Summit School District .....	C	N			D	K
Ogden School District .....	C	N			D	K
Park City School District.....	C	N			D	K
Piute School District .....	C	N				K
Provo School District .....	C	N			D	K
Rich School District .....	C	N				K
Salt Lake Community College.....	C	N			D	K
Salt Lake School District .....	C	N			D	K
San Juan School District .....	C	N			D	K
Sevier School District .....	C	N			D	K
Snow College .....	C	N			D	K
South Sanpete School District .....	C	N			D	K

Employers Name	C	N	PS	F	D	K	
South Summit School District .....		N				K	
Southern Utah University.....	C	N	PS			K	
Tintic School District.....	C	N				K	
Tooele School District.....	C	N			D	K	
Uintah School District.....	C	N			D	K	
University of Utah .....	C	N	PS			K	
Utah State University.....	C	N	PS			D	K
Utah Valley State College.....	C	N			D	K	
Wasatch School District .....	C	N			D	K	
Washington School District .....	C	N			D	K	
Wayne School District .....		N			D	K	
Weber County School District .....	C	N			D	K	
Weber State University.....	C	N				K	
Academic Achievement .....		N				K	
Active Re Entry Incorporated .....		N				K	
Bridgerland Applied Technology Center.....		N				K	
Davis Applied Technology Center ...		N				K	
Educators Mutual—LTD .....	C	N	PS				
Educators Mutual Insurance .....	C	N			D	K	
High School Activity Association .....	C	N				K	
Ogden-Weber Area Vocation .....	C	N				K	
Snow College South .....	C	N			D	K	
Space Dynamics Lab .....		N				K	
Summit Employment .....		N				K	
Tuacahan High School .....		N				K	
Uintah Basin Applied Technology Center.....	C	N			D	K	
Utah Education Association .....	C	N			D	K	
Utah School Boards Association.....		N				K	
Utah School Boards Risk Man Mut Ins Assn.....		N				K	
Utah School Employee Association .....		N			D	K	
Utah Uniserv.....	C	N			D	K	
Utah Valley Care and Training Center .....		N				K	
Wasatch Front South Applied Technology Center.....		N				K	

## State and Other Employers

State of Utah (also participates in the Judges Retirement System and the Governors and Legislative Pension Plan) .....	C	N	PS	F	D	K
Utah Communications Agency Network .....		N				K
Utah Dairy Commission/Dairy Council of Utah/Nevada.....		N				

## Schedule of Participating Employers (Continued)

Employers Name	C	N	PS	F	D	K	Employers Name	C	N	PS	F	D	K
Utah Employees' Group Ins.—LTD ...	C	N	PS				Cedar Hills Town.....		N				
Utah Housing Finance Agency .....	C	N				K	Centerville City .....	C	N	PS		D	K
Utah Industries f/t Blind .....		N				K	Clearfield City .....		N	PS	F	D	K
Utah Retirement Systems .....		N			D	K	Clinton City .....	C	N	PS	F	D	K
Utah Safety Council.....		N				K	Coalville City.....		N				K
Utah Technology Finance Corp. ....		N				K	Corinne City.....	C					
Workers Compensation Fund.....	C	N			D	K	Delta City.....	C	N				K
<b>Counties and County Organizations</b>							<b>Counties and County Organizations</b>						
Beaver County.....		N	PS		D	K	Draper City .....		N				K
Box Elder County.....	C	N	PS		D	K	Duchesne City .....		N				
Cache County.....	C	N	PS	F	D	K	Eagle Mountain Town.....		N				
Carbon County .....	C	N	PS		D	K	East Carbon City .....		N	PS		D	K
Daggett County .....		N	PS			K	Elk Ridge Town.....		N				K
Davis County .....		N	PS		D	K	Emery Town.....	C					K
Duchesne County.....	C		PS		D	K	Enoch City .....		N				K
Emery County.....	C	N	PS		D	K	Enterprise City.....		N				K
Garfield County.....	C	N	PS		D	K	Ephraim City.....		N	PS			K
Grand County .....	C	N	PS			K	Escalante Town .....		N	PS			
Iron County .....	C	N	PS		D	K	Eureka City .....		N				
Juab County .....	C	N	PS				Fairview City.....		N				K
Kane County.....		N	PS				Farmington City.....		N	PS	F		
Millard County .....	C	N	PS		D	K	Farr West City.....		N			D	K
Morgan County.....		N	PS			K	Ferron City.....		N				K
Piute County .....		N	PS			K	Fillmore City.....		N			D	K
Rich County.....	C		PS				Fountain Green City.....		N	PS			
Salt Lake County .....	C	N	PS	F	D	K	Francis City .....		N				K
San Juan County .....	C	N	PS		D	K	Fruit Heights City.....		N				K
Sanpete County.....	C	N	PS			K	Garland City.....	C		PS			K
Sevier County .....	C	N	PS		D		Goshen Town.....		N				
Summit County .....	C	N	PS				Grantsville City.....		N	PS		D	K
Tooele County.....	C	N	PS	F	D	K	Green River City .....		N				K
Uintah County.....	C		PS		D	K	Gunnison City .....		N	PS		D	K
Utah County .....	C	N	PS		D		Harrisville City.....	C	N	PS			K
Wasatch County.....		N	PS			K	Heber City .....		N	PS		D	K
Wasatch County Fire District.....		N		F		K	Helper City.....		N	PS			K
Washington County.....		N	PS		D	K	Herriman Town .....		N				K
Wayne County .....		N	PS				Highland City .....		N			D	K
Weber County .....	C	N	PS		D	K	Hinckley Town.....		N				K
Weber County Fire .....	C			F	D	K	Holden Town.....		N				
<b>Cities and Towns</b>							<b>Cities and Towns</b>						
Alpine City .....		N				K	Holladay City .....		N				K
American Fork City.....		N	PS				Huntington City.....		N			D	K
Annabella Town .....		N				K	Hurricane City.....		N	PS	F		K
Aurora City.....		N				K	Hyde Park.....		N				K
Ballard City .....		N				K	Hyrum City.....		N				K
Beaver City .....		N				K	Ivins Town .....		N				K
Blanding City .....		N	PS			K	Kamas City .....		N	PS		D	K
Bluffdale City .....	C				D	K	Kanab City .....		N	PS		D	K
Bountiful City .....	C	N	PS	F	D	K	Kanosh Town .....		N				
Brian Head Town .....	C		PS		D		Kaysville City.....	C	N	PS			
Brigham City.....	C	N	PS		D	K	La Verkin City .....	C					K
Castle Dale City.....		N					Layton City .....	C	N	PS	F	D	
Cedar City .....		N	PS	F		K	Leeds Town .....		N				K
							Lehi City.....	C	N	PS	F		
							Levan Town .....		N				
							Lewiston City.....		N				K
							Lindon City .....		N				K
							Logan City .....	C	N	PS	F	D	K
							Lone Peak Safety District.....		N	PS	F		K
							Manila Town .....	C					K

## Schedule of Participating Employers (Continued)

Employers Name	C	N	PS	F	D	K	Employers Name	C	N	PS	F	D	K
Manti City		N				K	South Salt Lake City		N	PS	F	D	K
Mantua City		N	PS			K	South Weber City		N				K
Mapleton City		N	PS			K	Spanish Fork City		N	PS			
Marriott/Slaterville City		N				K	Spring City	C					
Meadow Town		N				K	Springdale Town		N				K
Midvale City	C	N	PS	F	D		Springville City	C	N	PS	F		
Midway City	C	N				K	St. George City	C	N	PS		D	K
Milford City		N	PS			K	Sunnyside City		N			D	K
Millville City		N			D	K	Sunset City	C	N	PS		D	K
Minersville		N				K	Syracuse City		N	PS		D	K
Moab City	C	N	PS		D	K	Taylorville		N				K
Monroe City		N				K	Tooele City	C	N	PS		D	
Monticello City		N	PS				Tremonton City	C	N	PS		D	K
Morgan City		N				K	Vernal City	C	N	PS			K
Moroni City		N					Washington City		N				K
Mt Pleasant City	C	N	PS			K	Washington Terrace		N	PS		D	K
Murray City	C	N	PS	F	D	K	Wellington City		N	PS			K
Naples City	C		PS			K	Wellsville City		N				K
Nephi City		N	PS		D	K	Wendover City		N	PS		D	K
New Harmony Town		N				K	West Bountiful City	C		PS			K
Nibley City		N				K	West Haven		N				K
North Logan City	C	N	PS			K	West Jordan City	C	N	PS	F	D	
North Ogden City	C	N	PS	F			West Valley City	C	N	PS	F		
North Salt Lake City		N	PS		D	K	West Point		N				K
Oakley City	C					K	Willard City		N	PS			
Ogden City	C	N	PS	F	D	K	Woods Cross City	C	N	PS		D	K
Orangeville City		N				K							
Orderville Town		N											
Orem City	C	N	PS	F	D	K	<b>Other Government Entities</b>						
Panguitch City		N				K	.....						
Paragonah Town	C						Ashley Valley Sewer						
Park City	C	N	PS				Management Board		N				
Parowan City	C	N	PS			K	Ashley Valley Water & Sewer		N				
Payson City		N	PS			K	Bear Lake Special Service District		N				K
Perry City		N	PS			K	Bear River Association						
Plain City		N				K	of Governments		N			D	K
Pleasant Grove City		N	PS	F			Bear River Health District	C	N			D	K
Pleasant View City	C	N	PS		D	K	Bear River Mental Health		N			D	K
Price City	C	N	PS	F		K	Bear River Water Conservancy		N				K
Providence City		N				K	Beaver County Special						
Provo City	C	N	PS	F	D	K	Service District		N				K
Redmond		N					Beaver Valley Hospital		N				K
Richfield City	C	N	PS		D		Bona Vista Water Improvement		N			D	K
Richmond City		N				K	Bountiful Water District		N			D	K
Riverdale City	C	N	PS	F		K	Box Elder County Mosquito District		N				K
Riverton City	C	N		F	D	K	Cache Metro						
Roosevelt City		N	PS	F	D	K	Planning Organization		N				
Roy City	C	N	PS	F	D	K	Castle Valley Special Service District	C	N				K
Salem City		N	PS		D	K	Cedar City Library	C	N				K
Salina City		N	PS				Central Davis Sewer		N			D	K
Salt Lake City Corp.	C	N	PS	F	D	K	Central Utah Public Health		N				K
Sandy City	C	N	PS	F	D		Central Utah Water District		N			D	K
Santa Clara City		N				K	Central Weber Sewer District	C	N			D	K
Santaquin City		N	PS			K	Children's Aid Society—Utah		N				K
Saratoga Springs Town		N				K	Copperton Improvement District		N				K
Smithfield City		N	PS			K	Cottonwood Improvement District		N			D	K
South Jordan City	C		PS	F		K	Davis & Weber County Canal	C					K
South Ogden City		N	PS	F		K	Davis Behavioral Health		N			D	K



## Schedule of Participating Employers (Continued)

Employers Name	C	N	PS	F	D	K	Employers Name	C	N	PS	F	D	K
Davis County Mosquito Abatement		N				K	Roosevelt City Housing Authority ....		N				
Davis County Housing .....	C					K	Roy Water Conservancy District .....		N				K
Davis County Solid Waste Management .....		N			D	K	SLC Employees Credit Union.....		N				K
DDI Advantage .....	C					K	SLC Mosquito Abatement.....		N				K
Dixie Center at St. George .....		N				K	SLC School Credit Union.....		N				K
Duchesne County Mosquito District	C						SLC Sub. Sanitation #1 .....		N				K
Duchesne County Water Conservancy District .....		N					SLC Sub. Sanitation #2 .....		N				K
Emery County Nursing Home .....	C				D	K	SL County Regional Service Area ...		N				K
Emery County Recreation Special Service District .....		N				K	SL County Service Area #2.....		N			D	K
Emery Water Conservancy District...		N				K	SL County Service Area #3.....		N			D	K
Farmington Area Pressurized Irrigation District .....		N				K	SL County Sewer Improvement District #1 .....	C	N			D	K
Five-County Association of Governments .....	C	N			D	K	San Juan Mental Health/ Substance Abuse District .....		N				K
Four Corners Mental Health .....	C	N			D	K	Sandy Sub. Improvement District ...		N				K
Grand County Solid Waste Management.....		N				K	Six-County Association of Governments .....	C	N			D	K
Grand County Water Conservancy District .....		N					Snyderville Basin .....	C	N			D	K
Granger-Hunter Improvement District.....		N			D	K	Solitude Improvement District.....		N				K
Gunnison Valley Hospital .....	C	N				K	South Davis County Sewer Improvement District .....	C	N			D	K
Heber Light & Power .....		N			D	K	South Davis County Water Improvement District .....		N				K
Heber Valley Historic Railroad Authority.....		N				K	South Davis County Fire Department		N		F	D	K
Heber Valley Special District .....		N					Southeastern Utah A.O.G.....	C	N			D	K
Hooper Water Improvement District		N					Southeastern Utah Health .....	C	N				K
Housing Authority of Carbon .....		N				K	South Ogden Conservancy District.....		N			D	K
Housing Authority of SLC .....	C	N				K	South SL County Mosquito Abatement.....		N				K
Housing Authority of SL County .....		N					Southwest Center.....		N				K
Jordan Valley Water Conservancy District .....	C	N			D	K	Southwest Utah District Health .....	C	N			D	K
Jordanelle Special Service District...		N				K	South Utah Valley Solid Waste.....		N				K
Kearns Improvement District .....	C	N				K	St. George Housing Authority.....		N				K
Maesar Water District .....		N				K	Summit Park Water Special Service District.....		N				K
Magna Mosquito Abatement .....		N				K	Taylorville—Bennion Improvement...		N			D	K
Metro Water District—SLC .....		N			D	K	Timber Lakes Special Service District .....		N				K
Midway Sanitation District.....		N				K	Timpanogos Special Service District	C	N				
Moab Valley Fire District.....		N		F		K	Tooele County Housing .....		N				K
Mountain Regional Water Special Service District .....		N				K	Trans-Jordan Cities .....		N			D	K
Mountainland Association of Governments .....	C	N			D	K	Tri-City Golf Course .....		N				K
Nebo Credit Union.....		N				K	Tridell-Lapoint Water District.....		N				K
North Davis County Sewer .....	C	N					Twin Creeks Special Service District		N				K
North Emery Water Users Association .....		N					Uintah Basin Assistance Council.....		N				
North Fork Special Service District...		N					Uintah Basin Association of Governments .....		N				
North Pointe Solid Waste Special Service District.....		N				K	Uintah Basin Tri-County Mental Health .....		N				K
Park City Fire Service District.....		N		F		K	Uintah County Mosquito Abatement		N				K
Price River Water Improvement .....		N			D	K	Uintah Health Care Special Service District .....		N				K
Provo Housing Authority .....		N					Uintah Special Service District.....		N				K
Provo Reservoir Water Users .....		N					Uintah Water Conservancy District...		N				
Provo River Water Users .....		N			D	K	Upper Country Water District .....		N				
							Utah Association of Counties .....		N				K
							Utah County Housing Authority .....	C	N			D	

## Schedule of Participating Employers (Continued)

Employers Name	C	N	PS	F	D	K
Utah Lake Distributing Co. ....		N				
Utah League of Cities & Towns .....	C					
Utah Local Governments Trust .....		N				
Utah Municipal Power Agency .....						K
Utah Public Employees Association .....	C	N				K
Utah State Fair Corporation .....		N				K
Utah Zoological Society.....	C	N				K
Valley Emergency Communication Center .....		N			D	K
Valley Mental Health.....	C	N			D	K
Wasatch County Special Service Area I .....		N				K
Wasatch Front Regional Council.....	C				D	K
Wasatch Mental Health.....	C	N			D	K
Washington County Association for Retarded Citizens.....		N				K
Washington County Solid Waste #1 .....		N				K
Washington County Water District... ..	C					K
Weber Basin Water Conservancy ... ..		N			D	K
Weber County Mosquito Abatement .....		N			D	K
Weber Human Services .....		N			D	K
Weber River Water Users.....	C					K
Western Kane County Special Service District #1 .....		N				K
White City Water Improvement District .....		N				K
<b>Total Participating Employers .....</b>						<b>400</b>
Contributory .....						<b>164</b>
Noncontributory .....						<b>374</b>
Public Safety .....						<b>116</b>
Firefighters.....						<b>39</b>
Judges.....						<b>1</b>
Governor and Legislative .....						<b>1</b>
457 Plan .....						<b>153</b>
401(k) Plan.....						<b>329</b>

Employers Name
<b>Inactive Units with Retirees</b>
American Fork Hospital
Bay Area Refuse Disposal
Bingham City
Box Elder County Nursing Home
Carbon County Hospital
Carbon Nursing Home
Coalville Health Center
Dixie Hospital
Emery Medical Center
Four Corners Regional Hospital
Genola Town
Grand County Road Special Service District
Hiawatha Town
Honeyville Town
I. W. Allen Hospital
Juab County Hospital
Marysville Town
Metro Water District—Provo
Midvale Wastewater Treatment
Morgan County Library
Mountain America Credit Union
Payson City Hospital
Pioneer Care Center
Reg 2 Law Enforcement Plan Agency
Salt Lake County Fair
San Juan County Hospital
Six-County Economic Development
Sugarhouse Park Authority
Tooele Valley Hospital
Trail Incorporated
U of U Research Institute
USU Community Credit Union
Uintah Basin Counsel Inc
Uintah Basin Medical Center
Uintah County Council on Aging
Uintah County Hospital
Utah Partnership for Education Economics
Wasatch County Hospital
Weber County Hospital
Weber Economic Development Corporation

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