

Michigan State Police Retirement System

A Pension and Other Employee Benefit Trust Fund of the State of Michigan

Summary Annual Report for Fiscal Year 2013



Prepared by
The Office of Retirement Services
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About the Michigan State Police Retirement System

This report is in compliance with Public Act 314 of 1965, as amended. The contents came from the complete Michigan State Police Retirement System 2013 Comprehensive Annual Financial Report (CAFR), an existing public data source available on our website at www.michigan.gov/orsmsp, and additional analysis performed after September 30, 2013.

The Michigan State Police Retirement System serves 2,951 retirees receiving monthly benefits, and 1,523 active members. State police pensions are protected by Michigan's Constitution. The System's net assets are held in trust to meet future benefit payments.

The State Treasurer is the investment fiduciary and custodian of all investments of the System pursuant to State law.

Michigan State Police Retirement System Service Providers

A service provider is any individual, third-party agent or consultant, or other entity that receives direct or indirect compensation for consulting, investment management, brokerage, or custody services related to the system's assets.

Accel	Bentall Kennedy	Coller Capital
Advent	Berkshire	Columbia Management Investment Advisors
Aetos Capital	BGC Partners	Cowen & Co.
AEW Capital Management	Bivium Capital Partners	Cramer Rosenthal McGlynn
Affinity	BlackRock Inc.	Credit Suisse Group
Alliance Bernstein	Blackstone Alternative Asset Management	Credit Suisse/DLJ
Ambassador Capital Management	Blackstone Group	Crescent
Apax	BMO Capital Markets	Czech Asset Management
Apollo Capital Management	BNP Paribas	D.A. Davidson & Co.
Apollo Global Management	BNY Convergenx	Dalmore Capital Limited
Arboretum	BOSC Inc.	Deutsche Bank
Ares	Brevan Howard Asset Management	Devon Self Storage
Argus	Bridgepoint	Dodge & Cox
Artisan Partners	Brokway Moran & Partners	Domain Capital Advisors
Attucks Asset Management	BTIG	Donald Smith & Company
Austin Ventures	Cantor Fitzgerald & Co.	Doughty Hanson
Avanath Capital Management	Capital Institutional Services Inc.	Dover Street
Avenue International	Capri Capital Partners	Drexel Hamilton
AXA	Cargill Inc.	Edens Limited Partnership
Axiom-Asia	Carlyle	EDF Ventures
Baillie Gifford Funds	Castle Harlan	Edgewood Management
Bain Capital	CCMP	Elliott Management Corp
Balfour Beatty Group	Champlain Investment Partners	EnTrust Capital
Banc Funds	CIM Group	Epoch Investment Partners
Bank of America/Merrill	Citigroup Global Markets	Essex Woodlands
Bank of Montreal	Clarion Partners	First Tennessee Financial
Barclays Capital	Clarus	FirstMark Capital
Battery Ventures	Clearstone	Fisher Investments Institutional Group
BB&T Capital Markets	CMEA	Five Star Realty Partners
BC European Capital	Cobalt Capital Partners	Flagship Ventures
Beacon Capital Partners		

Michigan State Police Retirement System Service Providers, continued

Ford	Marathon London	RBC Capital Markets
Fortress Investment Group	Mastic Group	Renaissance Venture Capital
Fox Paine	Matlin Patterson Global Advisors	RFE
Frontenac	Menlo Ventures	Rialto Capital
FrontPoint Partners	Meritech	Ridgewood Energy
Gateway Capital	Merrill Lynch Pierce Fenner &	Riverside
GE Capital	Smith LLC	RV Kuhns
Gilford Securities	Mesirow Financial	RW Baird
Glencoe	Metropolitan West Asset Management	RW Pressprich & Co.
Globespan	MFR Securities	Sanford C. Bernstein Co.
Goldman Sachs	MFS Institutional Advisors	Seizert Capital Partners
Green Equity Investors	Mischler Financial Group	SG Americas (Societe Generale)
Grotech	Morgan Stanley	Silver Lake
GSO	MPM	Societe Generale
H.I.G.	Multi-Bank Securities	Southwest Securities
Harbourvest	Munder Capital Management	Sprout
Healthcare Ventures	New Leaf Ventures	State Street Bank
Heitman Capital Management	Nordic Capital	State Street Global Advisors
Highbridge Principal Strategies	North Castle Partners	Sterne Agee
Hopen Life Sciences Ventures	NorthPointe Capital	Stifel Nicolaus & Co.
HSBC	NV Partners	Stockbridge Capital Group
Huntington Investment Company	Oak Investment Partners	Sun Trust, Robinson, Humphrey
Huron	Oaktree	TCW
InterWest Partners	Off the Record (OTR Global)	Templeton International Trust Fund
Int'l Strategy Investment	One Liberty	The John Buck Company
Invesco Ltd.	Oppenheimer	The Shansby Group
JAFCO	Orion/Red Kite	TPG
JP Morgan Chase	OTA Ltd Partnership	Trilantic
JP Morgan Investment Management	P. Schoenfeld Asset Management	True North Management Group
JP Morgan Securities	Paine & Partners	Tullis Dickerson
KBS Realty Advisors	Paladin Realty Partners	UBS Financial Services
Kelso	Parallel Resource Partners	UBS Securities
Kensington Realty Advisors	Parthenon	Unitas
Kevin Miller	Peninsula	Warburg Pincus
Khosla	Permira	Wayne Co.
Kohlberg Kravis Roberts & Co	Philadelphia Financial Life Assurance	Weiss, Peck & Greer
L&B Realty Advisors	Company	Wellington Management Company
Landmark Realty Advisors	Phoenix Equity Partners	Wellington Trust Company
LaSalle Investment Management	Primus	Wells Fargo & Company
Lightspeed Venture Partners	Principal Capital	Wells Fargo Securities LLC
Lion Capital	Principal Financial Group	WestAm
Lloyds Banking Group	Property & Portfolio Research, Inc	Western National Group
Long Point Capital	Proprium Capital Partners	Williams Capital Group
Loomis Sayles & Company	Providence Equity Partners	Windpoint
Los Angeles Capital Management	Prudential Investment Management	Winnington Capital Limited
Lowe Enterprises Investment	Pyramis Global Advisors	Woodcreek Capital Management
Management	Questor	
LSV Asset Management	Raymond James & Associates	

Membership

Members of this system are enlisted Michigan State Police officers. Membership in the plan is automatic when officers complete recruit school and subscribe to the constitutional oath of office.

Members also include officers participating in the Deferred Retirement Option Plan (DROP) and receiving employee wages.

Employees who work for the Michigan State Police but are not enlisted officers are not members of this plan.

Plan Membership and Retirement Allowances as of September 30, 2013	
Membership	FY 2013
Retirees and Beneficiaries Currently Receiving Benefits	
Regular Benefits	2,295
Survivor Benefits	473
Disability Benefits	183
Total	2,951
Current Employees	
Vested	1,065
Non-vested	458
Total	1,523
DROP Participants	221
Inactive Employees	
Entitled to benefits and not yet receiving them	46
Total All Members	4,741
<i>Source: CAFR for the Fiscal Year ended September 30, 2013, p. 24.</i>	
Retirement Allowances	FY 2013
Average annual retirement allowance	\$ 35,813
Total annual retirement allowances being paid	\$ 105,754,707
<i>Source: Actuarial Valuation for the Fiscal Year ended September 30, 2013.</i>	

Benefit Structures

Michigan State Police troopers and sergeants enlisted before June 10, 2012, are in the Defined Benefit (DB) plan.

The Pension Plus retirement plan was introduced for troopers and sergeants enlisted on or after June 10, 2012. Pension Plus is a hybrid plan that contains a pension component with an employee contribution and a flexible and transferable defined contribution account.

Assets & Liabilities*

System total assets as of September 30, 2013, were \$1.3 billion and were mostly comprised of cash, investments, and contributions due from employers.

Total liabilities as of September 30, 2013, were \$97.7 million and were comprised of accounts payable, deferred revenue, and obligations under securities lending.

System assets exceeded its liabilities at the close of fiscal year 2013 by \$1.2 billion. Total net assets held in trust for pension and Other Post-Employment Benefits (OPEB) increased \$93.5 million from the previous year, primarily due to net investment gains.**

Assets & Liabilities <i>(combined pension and healthcare)</i>			
Assets	FY 2013*		FY 2012**
Cash	\$	25,720,868	\$ 20,120,582
Receivables		6,150,129	4,724,796
Securities Lending Collateral		74,788,856	81,912,584
Investments		1,169,960,802	1,087,218,629
Total Assets	\$	1,276,620,655	\$ 1,193,976,591
Liabilities	FY 2013*		FY 2012**
Accounts Payable and Other Liabilities	\$	2,573,423	\$ 3,068,495
Obligations Under Securities Lending		95,163,632	105,529,846
Total Liabilities	\$	97,737,055	\$ 108,598,341
Net Assets	\$	1,178,883,601	\$ 1,085,378,250

*Source: CAFR for the Fiscal Year ended September 30, 2013, p. 22.
**Source: CAFR for the Fiscal Year ended September 30, 2012, p. 22.

* Liabilities in this context are exclusive of Unfunded Accrued Actuarial Liabilities (UAAL) for pension and health.

** Source: CAFR for the Fiscal Year ended September 30, 2013, p. 17.

Revenue and Expenditures

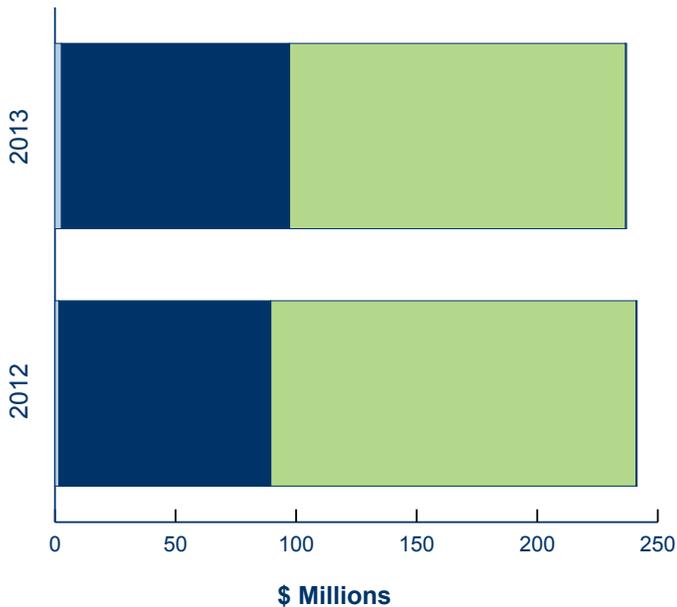
The reserves needed to finance pension and OPEB are accumulated through the collection of employer and employee contributions and through earnings on investments. Contributions and net investment income for fiscal year 2013 totaled approximately \$236.6 million.

The primary expenses of the System include the payment of pension benefits to members and beneficiaries, payment for health, dental and vision benefits, refund of contributions to former members, and the cost of administering the System.*

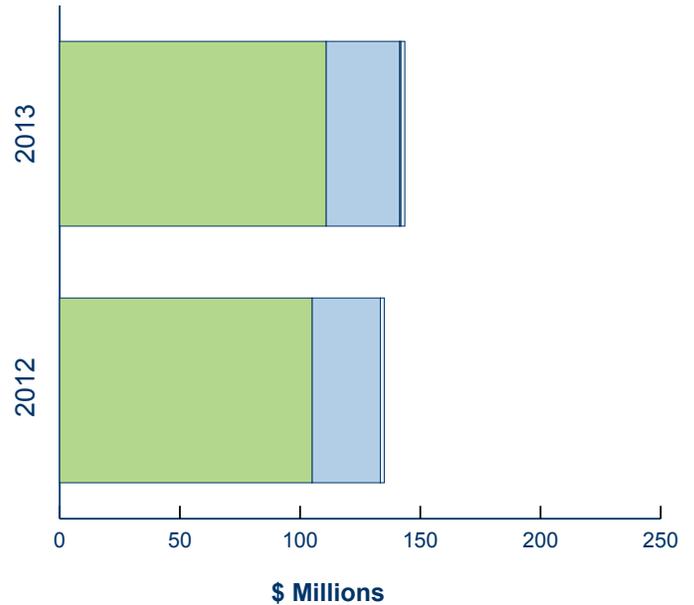
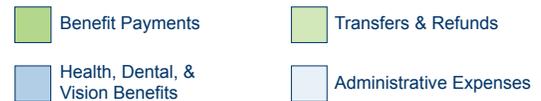
Additions & Deductions <i>(combined pension and healthcare)</i>			
Additions	FY 2013*	FY 2012**	
Member Contributions	\$ 2,608,313	\$ 1,566,290	
Employer Contributions	94,663,644	87,938,552	
Net Investment Income (loss)	139,274,999	151,425,221	
Transfers and Misc. Income	45,615	29,940	
Total Additions	\$ 236,592,571	\$ 24,960,002	
Deductions	FY 2013*	FY 2012**	
Benefit Payments	\$ 110,782,367	\$ 104,962,793	
Health, Dental, & Vision Benefits	30,571,508	28,421,260	
Transfers & Refunds	19,489	-	
Administrative Expenses	1,713,856***	1,632,485***	
Total Deductions	\$ 143,087,220	\$ 135,016,539	
Beginning of Year Assets	\$ 1,085,378,250	\$ 979,434,787	
End of Year Net Assets	\$ 1,178,883,601	\$ 1,085,378,250	

* Source: CAFR for the Fiscal Year ended September 30, 2013, p. 23.
 ** Source: CAFR for the Fiscal Year ended September 30, 2012, p. 23.
 *** Reflects participation in federal programs that provide a federal subsidy for eligible healthcare claims, producing a net overall savings to the System.

Revenue



Expenditures

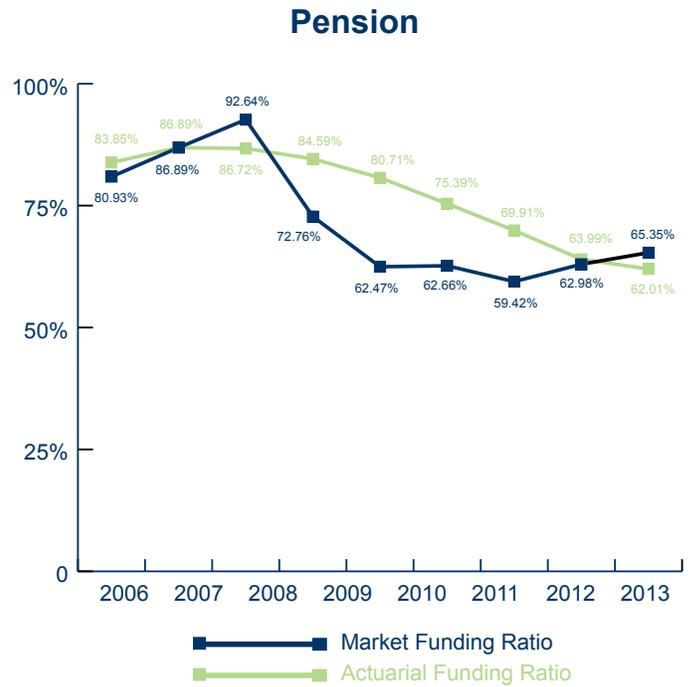


* Source: CAFR for the Fiscal Year ended September 30, 2013, p. 18.

Market Funded Ratios & Actuarial Funded Ratios

Pension

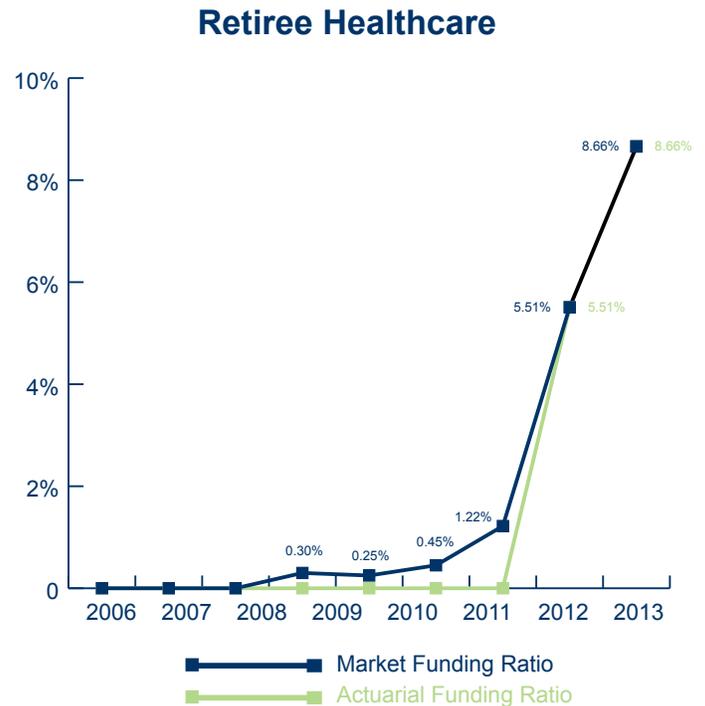
The market funding ratio is based only on the market value of assets at fiscal year end. The actuarial funding ratio incorporates a 5-year "smoothing" period that reduces volatility. The actuarial funding ratio is the common metric used by all pension plans nationwide. This smoothing process is used by almost every retirement system in the country; it helps avoid volatility in the pension systems' funding requirements. As the economy improves, the funding ratio will also improve.



Retiree Healthcare

Starting in 2012, the System began pre-funding retiree healthcare costs, which significantly decreased the liability and increased the asset levels. Pre-funding is a best practice that invests assets and allows investment returns to help fund the plan. Many states do not pre-fund. This reform puts Michigan on the leading edge of retirement funding practices.

Before 2012, the system was funded on a pay-as-you-go basis. While there were some assets set aside, these were counted in the market value, but not the actuarial value. Over time, as pre-funding and member contributions ramp up, the funding ratio will improve significantly.

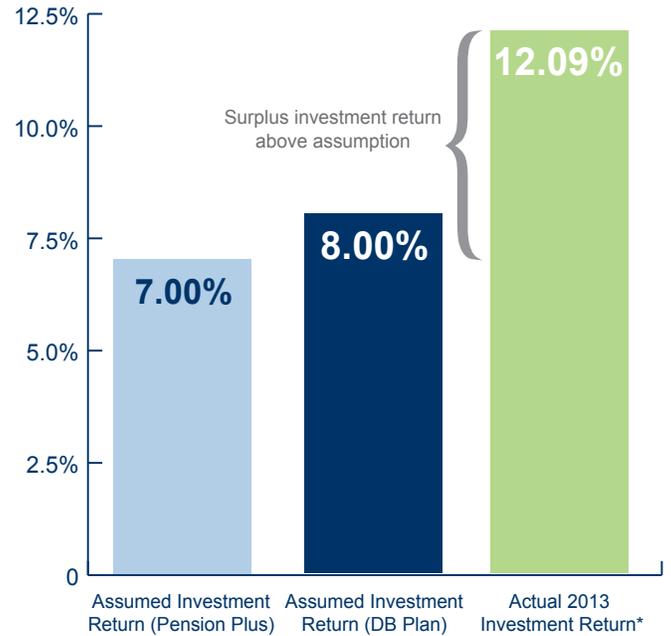


Discount Rates and Actual Investment Return

The State Treasurer administers all of the System's investments in accordance with the Public Employee Retirement System Investment Act, Public Act 314 of 1965. The main objective is maximizing the rate of return while meeting the actuarial assumptions through maintaining a diverse portfolio, eliminating unnecessary risks, and investing prudently.

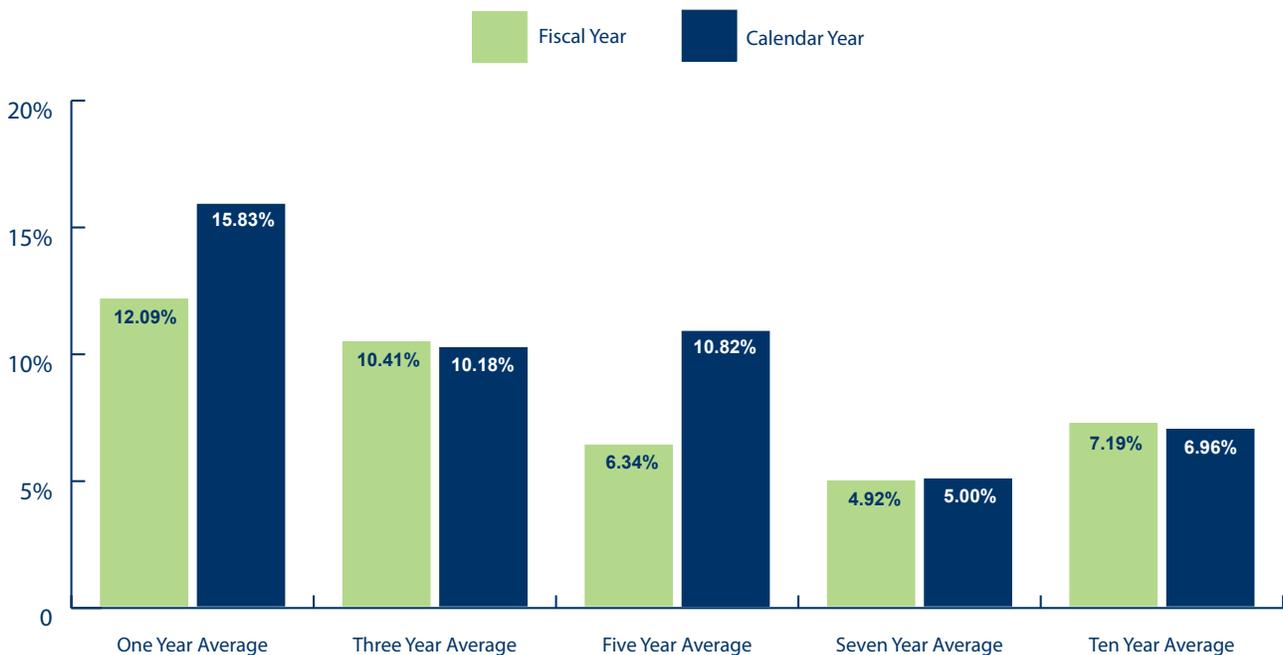
Contribution rates are determined by actuaries based in part on an assumed investment return each year. When investments exceed the assumed rates of return, as they did in 2013, this results in a gain for the System. The actual rate of investment return in FY 2013 was 12.09 percent*, which is greater than the assumed rate of return.

Investment Return Assumed and Actual for Fiscal Year 2013



* Source: CAFR for the Fiscal Year ended September 30, 2013, p. 51

Historical Investment Returns as of Fiscal Year 2013



* These figures are shown net of fees. Information shown in the CAFR is shown gross of fees.

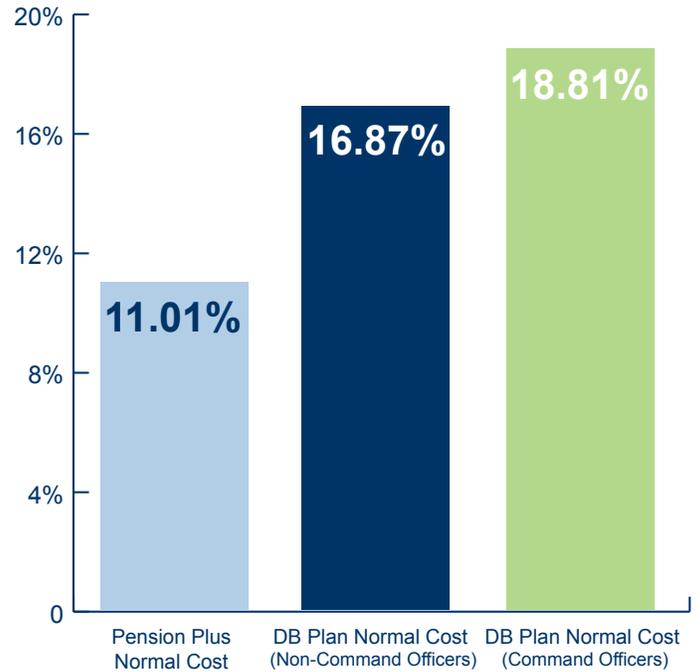
Member and Employer Contributions

Definition of Normal Cost

Normal Cost is the actual cost of the retirement benefit a member earns each year, and is set using the assumed rate of investment return in addition to other actuarial assumptions. After member contributions are accounted for, the employer pays the remainder of the Normal Cost as shown here.

Employer Pension Normal Cost Contribution Rates

for Fiscal Year 2014*



* Based on 2011 Actuarial Valuation

Member and Employer Pension Contributions	
Member Contributions	Based on FY 2013 Actuarial Valuation
Weighted Average	
Pension Plus	4.00%
Defined Benefit (DB) Plan	1.81%
Employer Contributions	Based on FY 2013 Actuarial Valuation
Computed Normal Cost of benefits expressed as a percentage of valuation payroll	
Pension Plus	11.37%
Defined Benefit (DB) Plan	17.02%
UAAL contribution rate expressed as a percentage of valuation payroll	
Pension Plus	37.43%
Defined Benefit (DB) Plan	37.43%
Valuation Payroll	\$ 114,102,742

Receipt of Employer Contributions

The statute requires the employer to contribute to finance the benefits of plan members. These employer contributions are determined annually by the System's actuary and are based upon level-dollar value funding principles so the contribution rates do not have to increase over time. Differences between the Annual Required Contribution (ARC) and the actual contributions are the result of a timing difference between when the actuarial valuation is completed and the contributions are made.

2013 Pension Plan Expenditures

Pension Plan Expenses for Fiscal Year Ended September 30, 2013		
Administrative and Other Expenses	Dollars	% of Total
<i>These expenditures are the administrative costs of running the retirement system, and are paid by DTMB - Office of Retirement Services and DTMB - Financial Services through an annual appropriation.</i>		
Personnel Services		
Staff Salaries	\$ 199,542	0.13603%
Retirement and Social Security	38,130	0.02599%
Other Fringe Benefits	13,676	0.00932%
Total	\$ 251,349	0.17134%
Professional Services		
Accounting	\$ 14,492	0.00988%
Actuarial	55,319	0.03771%
Attorney General	9,059	0.00618%
Audit	45,400	0.03095%
Consulting	3,424	0.00233%
Medical	5,067	0.00345%
Total	\$ 132,760	0.09050%
Building and Equipment		
Building Rentals	\$ 10,208	0.00696%
Equipment Purchase, Maintenance, and Rentals	660	0.00045%
Total	\$ 10,869	0.00741%
Miscellaneous		
Travel and Board Meetings (Excluding Travel and Education for Board Members)	\$ 465	0.00032%
Office Supplies	528	0.00036%
Postage, Telephone, and Other	21,859	0.01490%
Printing	3,542	0.00241%
Technological Support	86,746	0.05913%
Subtotal	\$ 113,141	0.07713%
Travel and Education for Board Members	\$ -	0.00000%
Total	\$ 113,141	0.07713%
Total Administrative and Other Expenses	\$ 508,118	0.34638%
Health, Dental & Vision Fees	Dollars	% of Total
<i>These expenditures are for self-insurance of the health, dental, and vision plans, and are paid from the retirement system's trust fund.</i>		
Staff Salaries	\$ 57,450	0.03916%
Health Fees	1,036,820	0.70680%
Dental Fees	85,629	0.05837%
Vision Fees	25,839	0.01761%
Total Health and Dental Fees	\$ 1,205,738	0.82195%
Investment Expenses	Dollars	% of Total
<i>These expenditures are related to the Department of Treasury (Bureau of Investments) for managing the retirement system's assets, and are paid from the retirement system's trust fund.</i>		
Real Estate Operating Expenses	\$ 28,873	0.01968%
Securities Lending Expenses	291,994	0.19905%
Other Investment Expenses		
ORS-Investment Expenses	346,959	0.23652%
Custody Fees	21,827	0.01488%
Management Fees	2,852,805	1.94476%
Research Fees	61,172	0.04170%
Total Investment Expenses	\$ 3,603,631	2.45659%
Benefits Paid to Members	Dollars	% of Total
<i>These are the actual retirement benefits paid to members of the retirement system.</i>		
Retirement Benefits	\$ 110,782,367	75.52032%
Health Benefits	27,881,426	19.00676%
Dental/Vision Benefits	2,690,082	1.83383%
Refunds of Member Contributions	19,489	0.01329%
Total Payments to Members	\$ 141,373,364	96.37420%
Soft Dollar Expenses	Dollars	% of Total
<i>These expenditures are for research provided by the retirement system's service providers, and are incorporated into the brokerage fees and commissions.</i>		
Bass Trading Int'l Group (BTIG)		
The Wall Street Transcript	\$ 82	0.00006%
Gary Schilling Newsletter	11	0.00001%
Grant's Interest Rate Observer	17	0.00001%
Macro Mavens Newsletter	1,020	0.00070%
Welling on Wall Street	153	0.00010%
Total Soft Dollar Expenditures	\$ 1,283	0.00087%

*Source: CAFR for the Fiscal Year ended September 30, 2013, p. 44, 45.

2014 Budget for Pension Plan Expenditures

Budget for Pension Plan Expenses for Fiscal Year Ending September 30, 2014		
Administrative and Other Expenses	Dollars	% of Total
<i>These expenditures are the administrative costs of running the retirement system, and are paid by DTMB - Office of Retirement Services and DTMB - Financial Services through an annual appropriation.</i>		
Personnel Services		
Staff Salaries	\$ 132,353	0.08817%
Retirement and Social Security	31,227	0.02080%
Other Fringe Benefits	93,476	0.06227%
Total	\$ 257,056	0.17125%
Professional Services		
Accounting	\$ 16,886	0.01125%
Actuarial	55,300	0.03684%
Attorney General	17,074	0.01137%
Audit	47,695	0.03177%
Consulting	3,500	0.00233%
Medical	12,950	0.00863%
Total	\$ 153,405	0.10220%
Building and Equipment		
Building Rentals	\$ 10,412	0.00694%
Equipment Purchase, Maintenance, and Rentals	250	0.00017%
Total	\$ 10,662	0.00710%
Miscellaneous		
Travel and Board Meetings (Excluding Travel and Education for Board Members)	\$ 400	0.00027%
Office Supplies	540	0.00036%
Postage, Telephone, and Other	23,726	0.01581%
Printing	5,600	0.00373%
Technological Support	91,950	0.06126%
Subtotal	\$ 122,216	0.08142%
Travel and Education for Board Members	\$ 103	0.00007%
Total	\$ 122,319	0.08149%
Total Administrative and Other Expenses	\$ 543,442	0.36205%
Health, Dental & Vision Fees	Dollars	% of Total
<i>These expenditures are for self-insurance of the health, dental, and vision plans, and are paid from the retirement system's trust fund.</i>		
Staff Salaries	\$ 60,330	0.04019%
Health Fees	1,091,565	0.72721%
Dental Fees	90,142	0.06005%
Vision Fees	26,733	0.01781%
Total Health and Dental Fees	\$ 1,268,770	0.84526%
Investment Expenses	Dollars	% of Total
<i>These expenditures are related to the Department of Treasury (Bureau of Investments) for managing the retirement system's assets, and are paid from the retirement system's trust fund.</i>		
Real Estate Operating Expenses	\$ 30,317	0.02020%
Securities Lending Expenses	306,594	0.20426%
Other Investment Expenses		
ORS-Investment Expenses	411,525	0.27416%
Custody Fees	26,768	0.01783%
Management Fees	2,995,445	1.99559%
Research Fees	64,231	0.04279%
Total Investment Expenses	\$ 3,834,879	2.55482%
Benefits Paid to Members	Dollars	% of Total
<i>These are the projected retirement benefits paid to members of the retirement system.</i>		
Retirement Benefits	\$ 110,296,161	73.48012%
Health Benefits	31,429,047	20.93827%
Dental/Vision Benefits	2,705,898	1.80269%
Refunds of Member Contributions	23,931	0.01594%
Total Payments to Members	\$ 144,455,037	96.23702%
Soft Dollar Expenses	Dollars	% of Total
<i>These expenditures are for research provided by the retirement system's service providers, and are incorporated into the brokerage fees and commissions.</i>		
Bass Trading Int'l Group (BTIG)		
The Wall Street Transcript	\$ 82	0.00005%
Gary Schilling Newsletter	11	0.00001%
Macro Mavens Newsletter	1,020	0.00068%
Welling on Wall Street	153	0.00010%
Total Soft Dollar Expenditures	\$ 1,266	0.00084%

Actuarial Assumptions

Actuarial valuations for both the pension and OPEB plans involve estimates of the value of reported amounts and assumptions about the probability of occurrence of events far into the future. Examples include assumptions about future employment, mortality and the healthcare cost trend. Amounts determined regarding the funded status of the plan and the annual required contributions (ARC) are subject to continual revision as actual results are compared with past expectations and new estimates are made about the future.

Actuarial Assumptions for Fiscal Year Ending September 30, 2013	
Valuation Date	9/30/2012
Actuarial Cost Method	Entry Age, Normal
Amortization Method - Pension	Level Percent of Payroll, Closed
Amortization Method - OPEB	Level Percent of Payroll, Closed
Remaining Amortization Period - Pension	24 Years ¹
Remaining Amortization Period - OPEB	24 Years
Asset Valuation Method - Pension	5-Year Smoothed Market
Asset Valuation Method - OPEB	Market
Actuarial Assumptions FY 2013	
Wage Inflation Rate	3.5%
Investment Rate of Return - Pension	
Defined Benefit (DB) Plan	8.0%
Pension Plus Plan	7.0%
Investment Rate of Return - OPEB	8.0%
Projected Salary Increases	3.5 - 93.5%
Cost-of-Living Pension Adjustments	2% Annual Non-Compounded with Maximum Annual Increase of \$500 for those eligible ²
Healthcare Cost Trend Rate	9.0% Year 1 graded to 3.5% Year 10
Other Assumptions OPEB Only² FY 2013	
Opt out Assumption	6% of eligible participants are assumed to opt out of the retiree health plan
Survivor Coverage	85% of male retirees and 70% of female retirees are assumed to have coverage continuing after the retiree's death
Coverage Election at Retirement	85% of male and 70% of female future retirees are assumed to elect coverage for 1 or more dependents
<small>¹ Based on the provision of GASB Statement Nos. 25, 43 and 45 when the actuarial accrued liability for a defined benefit pension plan is underfunded or overfunded, the difference should be amortized over a period not to exceed thirty years for the fiscal periods beginning on or after June 15, 2006.</small>	
<small>² Applies to individuals hired before June 10, 2012.</small>	
<small>Source: CAFR for the Fiscal Year ended September 30, 2013, p. 32.</small>	

Office Closures

May 26 – Memorial Day
July 4 – Independence Day
September 1 – Labor Day

Our website is available seven days a week, even when our office is closed: www.michigan.gov/orsmsp

Office of Retirement Services (ORS)

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www.michigan.gov/ors
www.michigan.gov/orsmiaccount

Office of Retirement Services
Director Phil Stoddard

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