



GASB STATEMENT NO. 68 REPORT

FOR THE

TEACHERS' RETIREMENT SYSTEM OF ALABAMA

PREPARED AS OF SEPTEMBER 30, 2017



www.CavMacConsulting.com



April 4, 2018

Board of Control Teachers' Retirement System of Alabama Montgomery, Alabama

Ladies and Gentlemen:

Presented in this report is information to assist the Teachers' Retirement System of Alabama (TRS) in meeting the requirements of the Governmental Accounting Standards Board (GASB) Statement No. 68 and to identify the information to be provided by the actuary, Cavanaugh Macdonald Consulting (CMC). The information presented is for the period ending September 30, 2017 (the Measurement Date).

GASB Statement Number 68 established accounting and financial reporting requirements for governmental employees that provide pension benefits to their employees through a trust.

The annual actuarial valuation used as a basis for much of the information presented in this report was performed as of September 30, 2016. The valuation was based upon data provided by the Retirement System staff, for active, inactive and retired members along with pertinent financial information.

The actuarial calculations were performed by qualified actuaries according to generally accepted actuarial procedures and methods. The calculations are based on the current provisions of the System, and on actuarial assumptions that are, individually and in the aggregate, internally consistent and reasonably based on the actual experience of the System. In addition, the calculations were completed in compliance with the laws governing the System and, in our opinion, meet the requirements of GASB 68. Ed Macdonald and Larry Langer are members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuarial opinion contained herein.



Board of Control April 4, 2018 Page 2

These results are only for financial reporting and may not be appropriate for funding purposes or other types of analysis. Calculations for purposes other than satisfying the requirements of GASB 67 and GASB 68 may produce significantly different results. Future actuarial results may differ significantly from the current results presented in this report due to such factors as changes in plan experience or changes in economic or demographic assumptions.

Sincerely yours,

ul Maddel

Edward A. Macdonald, ASA, FCA, MAAA President

atty Turcot

Cathy Turcot Principal and Managing Director

Larry Langer, ASA, EA, FCA, MAAA Principal and Consulting Actuary

CT/mjn

SS:\2017\AL TRS\GASB\ALA TRS GASB 68 2016-2017 FINAL 04042018.docx



TABLE OF CONTENTS

Section	ltem	Page No.
I	Introduction	1
П	Summary of Principal Results	2
III	Notes to Financial Statements	3
IV	Pension Expense	9
V	Required Supplementary Information	12

Schedule

A	Schedule of Employer Allocations	13
В	Schedule of Pension Amounts by Employer	20
С	Schedule of Discount Rate Sensitivity, Amortization of Deferred Outflows/(Inflows) and Employer Contribution	25
D	Summary of Main Plan Provisions	29
E	Statement of Actuarial Assumptions and Methods	33
F	Funding Policy of the TRS Board of Control	38



REPORT OF THE ANNUAL GASB STATEMENT NO. 68 REQUIRED INFORMATION FOR THE EMPLOYERS PARTCIPATING IN THE TEACHERS' RETIREMENT SYSTEM OF ALABAMA

PREPARED AS OF SEPTEMBER 30, 2017

SECTION I – INTRODUCTION

The Governmental Accounting Standards Board issued Statement No. 68 (GASB 68), *"Accounting and Financial Reporting For Pensions"* in June 2012. GASB 68's effective date is for an employer's fiscal year beginning after June 15, 2014. The Teachers' Retirement System of Alabama (TRS) is a cost-sharing multiple employer defined benefit pension plan.

This report, prepared as of September 30, 2017 (the Measurement Date), presents information to assist the employers participating in TRS in meeting the requirements of GASB 68 for the fiscal year ending in 2018 (Reporting Date). Much of the material provided in this report is based on the data, assumptions and results of the annual actuarial valuation of TRS as of September 30, 2016. The results of the valuation were detailed in a report dated June 9, 2017.

The NPL shown in the GASB Statement No. 67 Report for the Teachers' Retirement System of Alabama Prepared as of September 30, 2017, and submitted January 12, 2018, is the collective NPL used for purposes of GASB 68. Please refer to that report for the derivation of the collective NPL.

Pension Expense (PE) includes amounts for service cost (the normal cost under the Entry Age Normal actuarial cost method for the year), interest on the Total Pension Liability (TPL), changes in benefit structure, amortization of increases/decreases in liability due to actuarial experience and actuarial assumption changes, and amortization of investment gains/losses. The actuarial experience and assumption change impacts are amortized over the average expected remaining service life of the Plan membership as of the beginning of the measurement period, and investment gains/losses are amortized over five years. The development of the collective PE is shown in Section IV.

The unamortized portions of each year's experience, assumption changes and investment gains/losses are used to develop deferred inflows and outflows, which also must be included in the employer's financial statements. The development of the collective deferred inflows and outflows is shown in Section IV.

These collective amounts have been allocated based on actual contributions made to TRS during the measurement period to determine the proportionate share associated with each participating employer.

Schedule A of this report shows the total amount of employer contributions for the years ending September 30, 2016, and September 30, 2017, from each participating employer. Schedule A also shows the proportionate share percentages that have been determined based on these contributions.

Based on these percentages we have determined the proportionate share amounts of the NPL, PE and Deferred Inflows and Outflows for each participating employer. These amounts are shown in Schedule B.

Section II of this report is a summary of the principal results of the collective amounts under GASB 68. Section III provides the results of all the necessary calculations, presented in the order laid out in GASB 68 for note disclosure and Section V shows the Required Supplementary Information (RSI).



SECTION II - SUMMARY OF COLLECTIVE AMOUNTS (\$ IN THOUSANDS)

	20	017	2	2016
Valuation Date:	Septen	nber 30, 2016	Septer	mber 30, 2015
Measurement Date:	Septen	nber 30, 2017	Septer	mber 30, 2016
Reporting Date:	Septen	nber 30, 2018	Septer	mber 30, 2017
Single Equivalent Interest Rate (SEIR):				
Long-Term Expected Rate of Return		7.75%		7.75%
Municipal Bond Index Rate		3.57%		2.93%
Fiscal Year in which Plan's Fiduciary Net Position is projected to be depleted from future benefit				
payments for current members		N/A		N/A
Single Equivalent Interest Rate		7.75%		7.75%
Net Pension Liability:				
Total Pension Liability (TPL)	\$	34,479,936	\$	33,762,303
Plan Fiduciary Net Position (FNP)		<u>24,651,457</u>		22,936,298
Net Pension Liability (NPL = TPL – FNP)	\$	9,828,479	\$	10,826,005
FNP as a percentage of TPL		71.50%		67.93%
Collective Pension Expense (PE):	\$	849,606	\$	1,098,656
Deferred Outflows of Resources:	\$	586,611	\$	920,833
Deferred Inflows of Resources:	\$	1,009,013	\$	278,798



SECTION III - NOTES TO FINANCIAL STATEMENTS

The material presented herein will follow the order presented in GASB 68. Paragraph numbers are provided for ease of reference. Amounts are shown in aggregate. Please refer to Schedule B of this report for the proportionate share of certain pension amounts as required by GASB 68.

Paragraphs 77 and 78(a)-(e): These paragraphs require information to be disclosed regarding the actuarial assumptions used to measure the TPL. The complete set of actuarial assumptions utilized in developing the TPL are outlined in Schedule E.

The TPL was determined by an actuarial valuation as of September 30, 2016, using the following key actuarial assumptions:

Inflation	2.75 percent
Salary increases, including inflation	3.25 – 5.00 percent
Investment Rate of Return, net of pension plan investment expense, including inflation	7.75 percent

Post-Retirement mortality rates for service retirements and dependent beneficiaries were based on the RP-2000 White Collar Mortality Table projected to 2020 using scale BB and adjusted 115% for all ages for males and 112% for ages 78 and over for females. The rates of disabled mortality were based on the RP-2000 Disabled Mortality Table projected to 2020 using scale BB and adjusted 105% for males and 120% for females.

The actuarial assumptions used in the September 30, 2016 valuation were based on the results of an actuarial experience study for the period October 1, 2010 – September 30, 2015.

The long-term expected rate of return on pension plan investments was determined using a log-normal distribution analysis in which best-estimate ranges of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. The target asset allocation and best estimates of geometric real rates of return for each major asset class are summarized in the following table:



Asset Class	Target Allocation	Long-Term Expected Rate of Return*
Fixed Income US Large Stocks US Mid Stocks US Small Stocks Int'l Developed Mkt Stocks Int'l Emerging Mkt Stocks Alternatives Real Estate Cash Equivalents	17.0% 32.0% 9.0% 4.0% 12.0% 3.0% 10.0% 10.0% 3.0%	4.4% 8.0% 10.0% 11.0% 9.5% 11.0% 10.1% 7.5% 1.5%
Total	<u>100.0%</u>	

*Includes assumed rate of inflation of 2.50%.

Discount rate. The discount rate used to measure the total pension liability was 7.75 percent. The projection of cash flows used to determine the discount rate assumed that plan member contributions will be made at the current contribution rate and that employer contributions will be made at rates equal to the difference between actuarially determined contribution rates and the member rate. Based on those assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

Paragraph 78 (g): This paragraph requires disclosure of the sensitivity of the NPL to changes in the discount rate. The following presents the NPL of the System, calculated using the discount rate of 7.75 percent, as well as what the System's NPL would be if it were calculated using a discount rate that is 1-percentage-point lower (6.75 percent) or 1-percentage-point higher (8.75 percent) than the current rate (\$ thousands):

	1%	Current	1%
	Decrease	Discount Rate	Increase
	(6.75%)	(7.75%)	(8.75%)
System's Net Pension Liability	\$13,556,622	\$9,828,479	\$6,674,759

Paragraph 80(a): This paragraph requires disclosure of the employer's proportionate share of the collective NPL and if an employer has a special funding situation the portion of the non-employer contributing entities' proportional share of the collective NPL that is associated with the employer. These amounts are shown in Schedule B.

Paragraph 80(b): This paragraph requires disclosure of the employer's proportion (percentage) of the collective NPL and the changes in proportion since the prior measurement date. These amounts are shown for all entities in Schedule A.



Paragraph 80(c): September 30, 2016, is the actuarial valuation date upon which the TPL is based. An expected TPL is determined as of September 30, 2017, using standard roll forward techniques. The procedure used to determine the TPL as of September 30, 2017, is shown on page 6 of the GASB 67 report for TRS submitted on January 12, 2018.

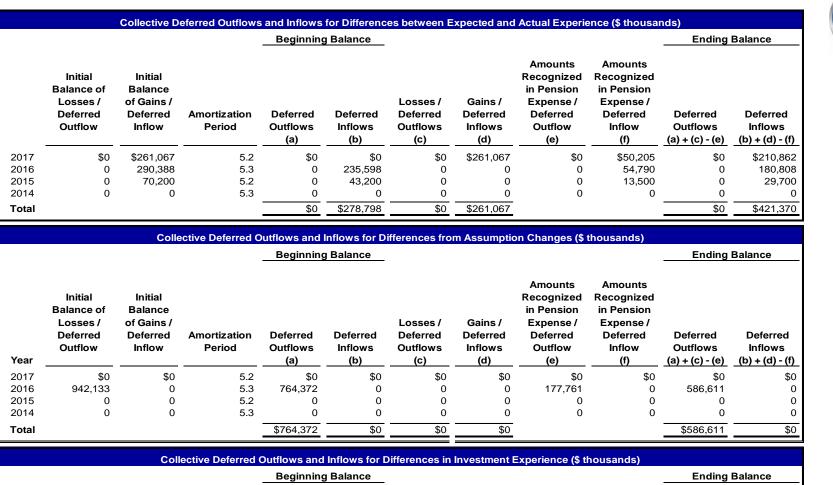
Paragraph 80(g): Please see Section IV of this report for the development of the collective pension expense. The PE for each employer is shown in Schedule B.

Paragraph 80(h): Since certain expense items are amortized over closed periods each year, the deferred portions of these items must be tracked annually. If the amounts serve to reduce pension expense they are labeled deferred inflows. If they will increase pension expense they are labeled deferred outflows. The amortization of these amounts is accomplished on a level dollar basis, with no interest included in the deferred amounts. Experience gains/losses and the impact of changes in actuarial assumptions, if any, are amortized over the average expected remaining service life of the active and inactive Plan members at the beginning of the fiscal year. Investment gains and losses are amortized over a fixed five year period.

The table below provides a summary of the collective deferred inflows and outflows as of the Measurement Date. The allocation of the collective deferred inflows and outflows is provided in Schedule B.

	Collective Deferred Outflows of Resources (\$ thousands)	Collective Deferred Inflows of Resources (\$ thousands)
Differences between expected and actual experience	\$0	\$421,370
Changes of actuarial assumptions	586,611	0
Net difference between projected and actual earnings on plan investments	_0	587,643
Total	<u>\$ 586,611</u>	<u>\$ 1,009,013</u>

The following tables show the components of the collective deferred outflows of resources and the collective deferred inflows of resources by year.



	Initial Balance of Losses / Deferred Outflow	Initial Balance of Gains / Deferred Inflow	Amortization Period	Deferred Outflows (a)	Deferred Inflows (b)	Losses / Deferred Outflows (c)	Gains / Deferred Inflows (d)	Amounts Recognized in Pension Expense / Deferred Outflow (e)	Amounts Recognized in Pension Expense / Deferred Inflow (f)	Deferred Outflows (a) + (c) - (e)	Deferred Inflows (b) + (d) - (f)
2017	\$0	\$894,221	5.0	\$0	\$0	\$0	\$894,221	\$0	\$178,844	\$0	\$715,377
2016	0	500,011	5.0	0	400,009	0	0	0	100,002	0	300,007
2015	1,495,062	0	5.0	897,038	0	0	0	299,012	0	598,026	0
2014	0	851,417	5.0	0	340,568	0	0	0	170,283	0	170,285
Total				\$897,038	\$740,577	\$0	\$894,221			\$598,026	\$1,185,669
	Net difference between projected and actual earnings on investments \$587,643								\$587,643		



Amortization	A	ctual and Expecte	ed Experience			Assumption (Changes	
Year	2014	2015	2016	2017	2014	2015	2016	2017
2019	\$0	(\$13,500)	(\$54,790)	(\$50,205)	\$0	\$0	\$177,761	\$
2020	0	(13,500)	(54,790)	(\$50,205)	0	0	177,761	
2021	0	(2,700)	(54,790)	(\$50,205)	0	0	177,761	
2022	0	0	(16,438)	(50,205)	0	0	53,328	
2023	0	0	0	(10,042)	0	0	0	
Thereafter	0	0	0	0	0	0	0	
TOTAL	\$0	(\$29,700)	(\$180,808)	(\$210,862)	\$0	\$0	\$586,611	\$

Summary	of Amortization o	f Deferred Outflo	ows and Inflows o	fResources (\$	thousands)
Amortization Year	2014	Investment Ga 2015	ains/Losses 2016	2017	Total Deferred Amounts
2019	(\$170,285)	\$299,012	(\$100,002)	(\$178,844)	(\$90,853)
2020	0	299,014	(100,002)	(178,844)	\$79,434
2021	0	0	(100,003)	(178,844)	(\$208,781)
2022	0	0	0	(178,845)	(\$192,160)
2023	0	0	0	0	(\$10,042)
Thereafter	0	0	0	0	\$0
TOTAL	(\$170,285)	\$598,026	(\$300,007)	(\$715,377)	(\$422,402)



Paragraph 80(i): Collective amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense as follows (\$ thousands):

Deferred Amounts to be Recognized in Fiscal Years Following the Reporting Date:					
Year 1	\$ (90,853)				
Year 2	79,434				
Year 3	(208,781)				
Year 4	(192,160)				
Year 5	(10,042)				
Thereafter	0				

Paragraph 80(j): There are no non-employer contributions recognized for the support provided by non-employer contributing entities in TRS.



SECTION IV - PENSION EXPENSE

As noted earlier, the collective Pension Expense (PE) consists of a number of different items. GASB 68 refers to the first as Service Cost which is the Normal Cost using the Entry Age Normal actuarial funding method. The second item is interest on the beginning Total Pension Liability (TPL) and the cash flow during the year at the 7.75% rate of return in effect as of the previous measurement date.

The next three items refer to any changes that occurred in the TPL due to:

- benefit changes, or
- actual versus expected experience, or
- changes in actuarial assumptions.

Benefit changes, which are reflected immediately in PE, can be positive, if there is a benefit improvement for existing Plan members, or negative if there is a benefit reduction. For the year ended September 30, 2017, there were no benefit changes to be recognized.

The next item to be recognized is the portion of current year changes in TPL due to actual versus expected Plan experience for the year. The portion to recognize in the current year is determined by spreading the total change over the average expected remaining service life of the entire Plan membership determined at the beginning of the year. The average expected remaining service life of active members is the average number of years the active members are expected to remain active. For the year ended September 30, 2017, this number of years for the active members is 10.5. The average expected remaining service life of the amortization is the weighted average for all active and inactive members, or 5.2 years. The amount to be recognized due to actual versus expected experience for the year is \$(50,205,000).

The last item under changes in TPL are changes in actuarial assumptions since the last measurement date. Recognition of the change in TPL due to changes in actuarial assumptions, is also spread over the average expected remaining service life of the plan membership. The amount to be recognized due to changes in assumptions for the year is \$0.

Member contributions for the year and projected earnings on the Fiduciary Net Position (FNP), determined at the discount rate used to calculate the liabilities, are subtracted from the amount determined thus far. One-fifth of current period differences between projected and actual investment earnings on the FNP are recognized in the pension expense. The projected earnings on the FNP, the current difference between projected and actual investment earnings on the FNP, and the amount recognized due to this difference are calculated as shown in the following table.



Investment Earnings (Gain)/Loss Determined as of the Measurement Date (\$ thousands)	
a. Expected asset return rate	7.75%
b. Beginning of year FNP (BOY)	\$ 22,936,298
c. End of year FNP	24,651,457
d. Expected return on BOY for the plan year (a x b)	1,777,563
External Cash Flow	
Employer contributions	782,695
Member contributions	489,638
Refunds of contributions	(53,526)
Benefit Payments	(2,117,351)
Administrative expenses	(22,402)
Other	7
e. Total net external cash flow	(920,939)
f. Expected return on net cash flow (a x .5 x e)	(35,686)
g. Projected earnings for plan year (d + f)	1,741,877
h. Net investment income (c – b – e)	2,636,098
i. Investment earnings (gain)/loss (g – h)	<u>\$ (894,221)</u>
j. Amount recognized in Pension Expense (i / 5)	<u>\$ (178,844)</u>

The current year portions of previously determined experience, assumption and earnings amounts, recognized as deferred outflows and inflows (see Section V) are included also. Deferred outflows are added to the PE while deferred inflows are subtracted from the PE. Finally, administrative expenses and other miscellaneous items are included.



The calculation of the Collective Pension Expense determined as of the measurement date is shown in the following table:

Collective Pension Expense Determined as of the Measurement Date (\$ thousands)										
Service Cost at end of year	\$ 617,120									
Interest on the TPL and net cash flow	2,532,457									
Current-period benefit changes	0									
Expensed portion of current-period difference between expected and actual experience in the total pension liability	(50,205)									
Expensed portion of current-period changes of assumptions	0									
Member contributions	(489,638)									
Projected earnings on plan investments	(1,741,877)									
Expensed portion of current-period differences between projected and actual earnings on plan investments	(178,844)									
Administrative expense	22,402									
Other	(7)									
Recognition of beginning deferred outflows of resources as pension expense	206,488									
Recognition of beginning deferred inflows of resources as pension expense	<u>(68,290)</u>									
Collective Pension Expense	<u>\$ 849,606</u>									



SECTION V - REQUIRED SUPPLEMENTARY INFORMATION

Paragraphs 81(a)-(b): CMC was not required to supply this information.

Paragraph 82:

Changes of benefit terms. The member contribution rates were increased from 5.00% (6.00% for certified law enforcement, correctional officers, and firefighters) of earnable compensation to 7.25% (8.25%) of earnable compensation effective October 1, 2011, and to 7.50% (8.50%) of earnable compensation effective October 1, 2012. Members hired on or after January 1, 2013 (Tier II), are covered under a new benefit structure, as follows:

- A service retirement allowance is payable upon the request of any member who has attained age 62 and completed at least 10 years of creditable service (age 56 with 10 years of creditable service for a full-time certified firefighter, police officer or correctional officer).
- (ii) Upon service or disability retirement a member receives a retirement allowance equal to 1.65% of the member's average final compensation multiplied by the number of years of creditable service. The benefit is capped at 80% of the member's average final compensation (the 5 highest years in the last 10 years of Creditable Service).
- (iii) Regular members contribute 6% of salary and full-time certified firefighters, police officers and correctional officers contribute 7% of salary.

Changes of assumptions.

In 2016, rates of retirement, disability, withdrawal and mortality were adjusted to more closely reflect actual experience. In 2016, economic assumptions and the assumed rates of salary increase were adjusted to more closely reflect actual and anticipated experience. In 2016 the expectation of retired life mortality as changed to the RP-2000 White Collar Mortality Table projected to 2020 using scale BB and adjusted 115% for all ages for males and 112% for ages 78 and over for females. The rates of disabled mortality were based on the RP-2000 Disabled Mortality Table projected to 2020 using scale BB and adjusted 105% for males and 120% for females.

In 2010 and later, the expectation of retired life mortality was changed to the RP-2000 Mortality Tables rather than the 1994 Group Annuity Mortality Table, which was used prior to 2010. In 2010, rates of withdrawal, retirement, disability and mortality were adjusted to more closely reflect actual experience. In 2010, assumed rates of salary increase were adjusted to more closely reflect actual and anticipated experience.



SCHEDULE A

Teachers' Retirement System of Alabama Schedule of Employer Allocations For the Fiscal Year Ended September 30, 2017 (Dollar Amounts Not in Thousands)

Employer	Employer Code	2017 Annualized Employer Contributions	2017 Employer Allocation Percentage
Accel Academy Charter School	TACL	\$ 109,980	0.014050%
Alabama A&M University	TAMI	5,631,846	0.719468%
Alabama Association of School Boards	TAAB	130,274	0.016643%
Alabama Education Association	TAEA	692,724	0.088496%
Alabama Fire College	TAFC	323,229	0.041293%
Alabama High School Athletic Association	TAAA	139,441	0.017814%
Alabama Higher Education Partnership	TAHP	24,854	0.003175%
Alabama Industrial Development Training	TIDT	1,179,794	0.150719%
Alabama Institute for Deaf and Blind	TAID	4,369,761	0.558237%
Alabama Retired State Employees Association	TREA	48,956	0.006254%
Alabama School of Fine Arts	THFA	513,454	0.065594%
Alabama State Employees Association	TASE	98,955	0.012642%
Alabama State University	TMST	5,262,960	0.672343%
Alabama Technology Network	TATN	530,610	0.067785%
Alabama Vocational Association	TAVA	5,279	0.000674%
Alabaster City School System	TALR	3,956,993	0.505506%
Albertville City Board of Education	TALB	2,874,339	0.367197%
Alexander City Board of Education	TALX	1,876,076	0.239669%
Andalusia City Board of Education	TADL	950,016	0.121365%
Anniston Board of Education	TANN	1,407,924	0.179862%
Arab City Board of Education	TARB	1,550,329	0.198055%
Athens City Board of Education	TATH	2,560,715	0.327131%
Athens State University	TATC	2,025,035	0.258698%
Attalla City Schools	TATT	1,024,695	0.130905%
Auburn City Board of Education	TAUB	5,160,838	0.659297%
Auburn University	TAPI	49,368,205	6.306790%
Autauga County Board of Education	TATG	5,096,265	0.651048%



Employer	Employer Code	2017 Annualized Employer Contributions	2017 Employer Allocation Percentage
Baldwin County Board of Education	TBLD	18,666,572	2.384655%
Barbour County Schools	TBAR	582,044	0.074356%
Bessemer Board of Education	TBSM	2,390,363	0.305369%
Bevill State Community College	TWCT	2,139,552	0.273328%
Bibb County Board of Education	TBIB	2,021,140	0.258201%
Birmingham City Schools	TBMH	15,860,036	2.026120%
Bishop State Community College	TMJC	1,419,849	0.181386%
Blount County Board of Education	TBLT	4,465,021	0.570407%
Boaz City Board of Education	TBOZ	1,397,779	0.178566%
Brewton City Board of Education	TBWT	724,658	0.092575%
Bullock County Board of Education	TBLK	960,207	0.122666%
Butler County Board of Education	TBLR	1,863,584	0.238073%
Calhoun Community College	TDEC	2,757,769	0.352305%
Calhoun County Board of Education	TCAL	5,514,044	0.704419%
CAPNA, Inc.	TNCA	1,417,269	0.181056%
Central Alabama Community College	TACC	935,685	0.119534%
Chambers County Board of Education	TCHB	2,281,023	0.291401%
Chattahoochee Valley Community College	TCVS	647,209	0.082681%
Cherokee County Board of Education	TCHK	2,527,134	0.322841%
Chickasaw City School System	TCKW	604,324	0.077202%
Chilton County Board of Education	TCHT	4,249,751	0.542906%
Choctaw County Board of Education	TCHW	947,821	0.121084%
Clarke County Board of Education	TCLK	1,722,990	0.220112%
Clay County Board of Education	TCLY	1,143,900	0.146133%
Cleburne County Board of Education	TCLB	1,553,356	0.198441%
Coastal Alabama Community College	TBMC	2,901,326	0.370644%
Coffee County Board of Education	TCOF	1,189,904	0.152010%
Colbert County Board of Education	TCOL	1,980,374	0.252993%
Community Svc Programs of West Alabama	TCSP	553,785	0.070746%
Conecuh County Board of Education	TCON	1,147,431	0.146584%
Coosa County Board of Education	TCSA	637,111	0.081391%
Council for Leaders in Alabama Schools	TACA	67,160	0.008580%
Covington County Board of Education	TCOV	1,900,923	0.242843%
Crenshaw County Board of Education	TCRW	1,379,601	0.176244%



Employer	Employer Code	2017 Annualized Employer Contributions	2017 Employer Allocation Percentage
Cullman City Board of Education	TCMN	1,896,438	0.242270%
Cullman County Commission on Education	TCUL	5,817,979	0.743247%
Dale County Board of Education	TDAL	1,774,933	0.226748%
Daleville City Board of Education	TDLV	623,458	0.079647%
Dallas County Board of Education	TDLS	2,219,759	0.283574%
Dauphin Island Sea Lab	TMES	568,378	0.072610%
Decatur Board of Education	TDTR	5,937,924	0.758570%
Dekalb County Board of Education	TDKB	5,281,945	0.674769%
Demopolis City Schools	TDPL	1,287,160	0.164435%
Developing Alabama Youth Foundation	TDAY	60,731	0.007758%
Dothan Board of Education	TDTN	5,562,566	0.710618%
Elba City Board of Education	TELB	450,146	0.057506%
Elmore County Board of Education	TELM	6,101,257	0.779436%
Enterprise Board of Education	TENP	3,967,136	0.506802%
Enterprise Ozark Community College	TEPC	934,689	0.119407%
Escambia County Board of Education	TESC	2,826,070	0.361031%
Etowah County Board of Education	TETH	5,048,301	0.644921%
Etowah County Community Service Program, Inc.	TECA	16,497	0.002107%
Eufaula City Board of Education	TEFL	1,705,362	0.217860%
Fairfield Board of Education	TFRF	1,095,925	0.140004%
Fayette County Board of Education	TFAY	1,392,645	0.177910%
Florence City Board of Education	TFLO	2,989,491	0.381908%
Fort Payne City Board of Education	TFTP	1,758,316	0.224625%
Franklin County Board of Education	TFRK	2,228,948	0.284748%
Gadsden City Board of Education	TGDS	3,337,046	0.426308%
Gadsden State Community College	TGDC	2,633,048	0.336372%
Gardendale Board of Education	TGBE	49,997	0.006387%
Geneva City Board of Education	TGCB	796,161	0.101710%
Geneva County Board of Education	TGEN	1,564,473	0.199861%
George Corley Wallace State Community College	TGWS	994,355	0.127029%
Greene County Board of Education	TGRN	842,429	0.107620%
Guntersville City Board of Education	TGUN	1,195,640	0.152743%
H. Councill Trenholm State Technical College	TMGT	956,033	0.122133%
Hale County Board of Education	THAL	1,551,113	0.198155%
Haleyville City Board of Education	THAV	1,042,593	0.133191%



Employer	Employer Code	2017 Annualized Employer Contributions	2017 Employer Allocation Percentage
Hartselle City Board of Education	THCS	1,911,221	0.244159%
Henry County Board of Education	THNY	1,452,295	0.185531%
Homewood City Board of Education	THOM	3,233,148	0.413035%
Hoover City Board of Education	THOV	10,209,618	1.304279%
Houston County Board of Education	THST	3,522,773	0.450034%
Huntsville City Schools	THTS	14,439,743	1.844678%
J. F. Drake State Technical College	THVS	541,226	0.069142%
J. F. Ingram State Technical College	TDRT	895,232	0.114366%
Jackson County Board of Education	TJKS	3,671,161	0.468991%
Jacksonville City Board of Education	TJCS	905,313	0.115654%
Jacksonville State University	TJST	5,829,483	0.744717%
Jasper City Board of Education	TJSP	1,764,877	0.225463%
Jefferson County American Federation of Teachers	TJFT	22,112	0.002825%
Jefferson County Board of Education	TJEF	22,492,483	2.873415%
Jefferson State Community College	TJJC	2,609,977	0.333425%
Lamar County Schools	TLAM	1,337,527	0.170869%
Lanett City Schools	TLNT	566,499	0.072370%
Lauderdale County Board of Education	TLAU	4,833,714	0.617507%
Law Enforcement AcademyBaldwin County	TSWP	16,193	0.002069%
Law Enforcement AcademyTuscaloosa	TLET	13,139	0.001679%
Lawrence County Board of Education	TLAW	2,937,403	0.375253%
Lawson State College	TLSC	1,698,489	0.216982%
Lee County Board of Education	TLEE	6,097,254	0.778924%
Leeds Board of Education, City of	TLDS	1,168,190	0.149236%
Limestone County Board of Education	TLST	5,483,425	0.700508%
Linden City Board of Education	TLND	339,563	0.043379%
Lowndes County Board of Education	TLDN	1,214,228	0.155118%
Lurleen B. Wallace Community College	TLUR	935,217	0.119474%
Macon County Board of Education	TMAC	1,431,646	0.182893%
Madison City Board of Education	TMDC	6,172,830	0.788579%
Madison County Board of Education	TMAD	11,784,341	1.505450%
Marengo County Board of Education	TMNG	718,659	0.091809%
Marion County Board of Education	TMAR	2,010,363	0.256824%
Marion Military Institute	TMMI	663,162	0.084719%
Marshall County Board of Education	TMSH	3,468,216	0.443065%



Employer	Employer Code	2017 Annualized Employer Contributions	2017 Employer Allocation Percentage
Midfield City Board of Education	TMID	689,106	0.088033%
Mobile School Commissioners	TMOB	33,763,384	4.313273%
Monroe County Board of Education	TMON	2,122,736	0.271180%
Montgomery City and County Board of Education	TMTG	18,251,804	2.331668%
Morgan County Board of Education	TMOR	4,834,738	0.617638%
Mountain Brook City Board of Education	TMTB	3,924,380	0.501340%
Muscle Shoals City Schools	TMSC	1,933,924	0.247059%
Northeast Alabama Community College	TNEC	1,031,781	0.131810%
Northwest Shoals Community College	TNWC	1,472,258	0.188081%
Oneonta City Board of Education	TONE	789,331	0.100837%
Opelika City Board of Education	TOPK	3,000,095	0.383262%
Opp City Board of Education	TOPP	800,407	0.102252%
Organized Community Action Program Inc	TOCA	447,181	0.057127%
Oxford City Schools	TOXF	2,663,535	0.340267%
Ozark City Board of Education	TOZK	1,283,882	0.164016%
Pelham City Board of Education	TPLS	1,881,455	0.240356%
Pell City School System	TPEL	2,336,058	0.298431%
Perry County Board of Education	TPRY	927,578	0.118498%
Phenix City Board of Education	TPHC	3,967,176	0.506807%
Pickens County Board of Education	TPKS	1,620,743	0.207050%
Piedmont City Schools	TPMT	721,254	0.092140%
Pike County Board of Education	TPIK	1,462,625	0.186850%
Pike Road City Schools	TPRB	546,364	0.069798%
Randolph County Board of Education	TRAN	1,373,352	0.175446%
Reid State Technical College	TEVN	363,007	0.046374%
Roanoke City Schools	TROK	835,148	0.106690%
Russell County Board of Education	TRUS	2,084,737	0.266325%
Russellville City Board of Education	TRSV	1,662,921	0.212438%
Saraland Board of Education	TSAR	1,531,277	0.195621%
Satsuma City Schools	TSTM	694,553	0.088729%
School Superintendents of Alabama	TSAL	54,225	0.006927%
Scottsboro Board of Education	TSCO	1,635,532	0.208939%
Selma Public Schools	TSMA	2,151,673	0.274876%
Sheffield City Board of Education	TSHF	780,308	0.099684%
Shelby County Board of Education	TSBY	13,156,743	1.680774%



Employer	Employer Code	2017 Annualized Employer Contributions	2017 Employer Allocation Percentage
Shelton State Community College	TTVS	2,021,807	0.258286%
Snead State Community College	TSJC	821,479	0.104944%
Southern Union State Community College	TSUC	1,496,349	0.191159%
Special Programming for Achievement Network	TBSC	260,802	0.033317%
St. Clair County Board of Education	TSTC	5,061,160	0.646563%
State of AlabamaCommission on Higher Education	TCHE	263,525	0.033665%
State of AlabamaDepartment of Rehab Services	TDRS	4,469,193	0.570940%
State of AlabamaDepartment of Post-Secondary Ed	TPSE	710,256	0.090735%
State of AlabamaDepartment of Youth Services	TDYS	2,071,246	0.264602%
State of AlabamaHigh School of Math & Science	THMS	318,524	0.040691%
State of AlabamaPEEHIP	TPHP	247,870	0.031667%
State of AlabamaState Board of Education	TSBE	5,513,418	0.704339%
State of AlabamaTeachers Retirement System	TTRS	1,553,397	0.198447%
Sumter County Board of Education	TSUM	1,135,986	0.145122%
Sylacauga City Board of Education	TSYL	1,408,693	0.179961%
Talladega City Board of Education	TTAL	1,372,921	0.175391%
Talladega County Board of Education	TTDG	4,540,628	0.580065%
Tallapoosa County Board of Education	TTPS	1,708,443	0.218254%
Tallassee City Board of Education	TTAS	1,086,042	0.138742%
Tarrant Board of Education	TTAR	774,759	0.098975%
Thomasville City Schools	TTOM	856,532	0.109422%
Troy City Board of Education	TTRY	1,234,363	0.157690%
Troy University	TTST	10,417,268	1.330806%
Trussville City Board of Education	TTCB	2,951,140	0.377008%
Tuscaloosa City Schools	TTUS	7,432,709	0.949529%
Tuscaloosa County Schools	TTLS	10,376,614	1.325613%
Tuscumbia City Board of Education	TTSC	916,211	0.117046%
University Chancellor's Office	TUCO	1,240,463	0.158469%
University of Alabama	TUVA	45,017,377	5.750971%
University of AlabamaBirmingham	TUMC	92,479,539	11.814264%
University of AlabamaHuntsville	TUAH	11,741,750	1.500009%
University of Montevallo	TALC	3,275,468	0.418441%
University of North Alabama	TFST	5,035,655	0.643305%
University of South Alabama	TUSA	23,626,710	3.018313%
University of West Alabama	TLVC	2,835,604	0.362248%



Employer	Employer Code	2017 Annualized Employer Contributions	2017 Employer Allocation Percentage
Vestavia Hills Board of Education	TVES	5,197,645	0.663999%
Walker County Board of Education	TWLK	4,797,003	0.612817%
Wallace Community CollegeDothan	TGWD	2,010,147	0.256796%
Wallace State CollegeHanceville	TCUT	2,081,893	0.265962%
Washington County Board of Education	TWSH	1,704,125	0.217702%
Wilcox County Board of Education	TWIL	1,170,593	0.149543%
Winfield City Board of Education	TWFD	786,613	0.100490%
Winston Education Board	TWIN	1,597,599	0.204093%
	Total	\$ <u>782,778,694</u>	<u>100.000000%</u>



SCHEDULE B

Teachers' Retirement System of Alabama Schedule of Pension Amounts by Employer As of and for the Fiscal Year Ended September 30, 2018 with Net Pension Liability as of September 30, 2017 (Dollar Amounts in Thousands)

EmployerEmployerAccel Academy Charter SchoolTACLAlabama A& UniversityTAMIAlabama Association of School BoardsTAABAlabama Bducation AssociationTAEAAlabama Education AssociationTAFCAlabama High School Athletic AssociationTAAAAlabama Higher Education PartnershipTAHPAlabama Industrial Development TrainingTIDTAlabama Retired State Employees AssociationTASEAlabama State Employees AssociationTASEAlabama State UniversityTMSTAlabama Vocational AssociationTAVAAlabama Vocational AssociationTALRAlabertville City Board of EducationTALRAlbertville City Board of EducationTALRAlabert City Board of EducationTALRAlbertville City Board of EducationTALXAnalusia City Board of EducationTALXAnalusia City Board of EducationTALXAnniston Board of EducationTANN	2017 Net r Pension Liability \$ 1,381 70,713 1,636 8,698 4,058 1,751 312 14,813 54,866 615 6,447 1,243 66,081 6,662	Differences Between Expected and Actual Experience	Change of	Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions \$ 1,077 219 104 117 397 145 19 547 1,500 29 284 43 678	Total Deferred Outflows of Resources	\$ 59 3,032 70 373 174 75 13 635 2,352 26 276	Net Difference Between Projected and Actual Investment Earnings on Pension Plan Investments		Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions	\$ 142 7,603 174 2,110 556 180 88 1,531	Proportionate Share of Plan Pension Expense \$ 120 6,113 141 752 351 151 26	ension Expense Deferred Amounts from Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions \$ 2566 (72) 433 (280) 29 59 (12) 224	Total Employer Pension Expense \$ 376 6,041 184 472 380 210 14 1,505
Alabama A&M University TAMI Alabama Association of School Boards TAAB Alabama Exociation of School Boards TAEA Alabama Fire College TAFC Alabama High School Athletic Association TAAA Alabama Higher Education Partnership TAHP Alabama Institute for Deaf and Blind TAID Alabama State Employees Association TREA Alabama State Employees Association TASE Alabama State Employees Association TASE Alabama State University TMST Alabama Vocational Association TAVA Alabama State University TASE Alabama Cetired State Second TASE TABEA Alabama State University TMST Alabama Vocational Association TAVA Alabama Cetiry School System TALB Alexander City Board of Education TALB Alexander City Board of Education TALX Andalusia City Board of Education TADL	70,713 1,636 8,698 4,058 1,751 312 14,813 54,866 615 6,447 1,243 66,081		4,220 98 519 242 104 19 884 3,275 37 385 74	219 104 117 397 145 19 547 1,500 29 284 43	4,439 202 636 639 249 38 1,431 4,775 66 669	3,032 70 373 174 75 13 635 2,352 26 276	4,228 98 520 243 105 19 886 3,280 37	•	343 6 1,217 139 56 10 161	7,603 174 2,110 556 180 88 1,531	6,113 141 752 351 151 26	(72) 43 (280) 29 59 (12)	6,041 184 472 380 210 14
Alabama Association of School BoardsTAABAlabama Education AssociationTAEAAlabama Fire CollegeTAFCAlabama High School Athletic AssociationTAAAAlabama Higher Education PartnershipTAHPAlabama Industrial Development TrainingTIDTAlabama Retired State Employees AssociationTREAAlabama School of Fine ArtsTHFAAlabama State Employees AssociationTASEAlabama State UniversityTMSTAlabama Vocational AssociationTAVAAlabama Vocational AssociationTALRAlabaster City School SystemTALRAlexander City Board of EducationTALRAlexander City Board of EducationTALNAndalusia City Board of EducationTADLAnniston Board of EducationTADLAnniston Board of EducationTANN	1,636 8,698 4,058 1,751 312 14,813 54,866 615 6,447 1,243 66,081	- - - - - - - - - - - - - - - - - - -	98 519 242 104 19 884 3,275 37 385 74	104 117 397 145 19 547 1,500 29 284 43	202 636 639 249 38 1,431 4,775 66 669	70 373 174 75 13 635 2,352 26 276	98 520 243 105 19 886 3,280 37	-	6 1,217 139 - 56 10 161	174 2,110 556 180 88 1,531	141 752 351 151 26	43 (280) 29 59 (12)	184 472 380 210 14
Alabama Association of School BoardsTAABAlabama Education AssociationTAEAAlabama Education AssociationTAFCAlabama High School Athletic AssociationTAAAAlabama High School Athletic AssociationTAAAAlabama High School Athletic AssociationTAAAAlabama Higher Education PartnershipTAHPAlabama Industrial Development TrainingTIDTAlabama Institute for Deaf and BlindTAIDAlabama School of Fine ArtsTHFAAlabama State Employees AssociationTASEAlabama State UniversityTMSTAlabama Vocational AssociationTAVAAlabaster City School SystemTALRAlbertville City Board of EducationTALBAndusia City Board of EducationTADLAndalusia City Board of EducationTADLAnniston Board of EducationTANN	1,636 8,698 4,058 1,751 312 14,813 54,866 615 6,447 1,243 66,081		98 519 242 104 19 884 3,275 37 385 74	117 397 145 19 547 1,500 29 284 43	202 636 639 249 38 1,431 4,775 66 669	70 373 174 75 13 635 2,352 26 276	98 520 243 105 19 886 3,280 37		6 1,217 139 - 56 10 161	174 2,110 556 180 88 1,531	141 752 351 151 26	43 (280) 29 59 (12)	184 472 380 210 14
Alabama Education AssociationTAEAAlabama Fire CollegeTAFCAlabama Fire CollegeTAFCAlabama High School Athletic AssociationTAAAAlabama Higher Education PartnershipTAHPAlabama Industrial Development TrainingTIDTAlabama Institute for Deaf and BlindTAIDAlabama School of Fine ArtsTREAAlabama State Employees AssociationTASEAlabama State UniversityTMSTAlabama Vocational AssociationTAVAAlabama Vocational AssociationTALRAlabaster City School SystemTALRAlexander City Board of EducationTALBAndausia City Board of EducationTADLAndusia City Board of EducationTADLAndulusia City Board of EducationTADLAnniston Board of EducationTADL	8,698 4,058 1,751 312 14,813 54,866 615 6,447 1,243 66,081		242 104 19 884 3,275 37 385 74	397 145 19 547 1,500 29 284 43	639 249 38 1,431 4,775 66 669	174 75 13 635 2,352 26 276	243 105 19 886 3,280 37		139 - 56 10 161	556 180 88 1,531	351 151 26	29 59 (12)	380 210 14
Alabama Fire College TAFC Alabama High School Athletic Association TAAA Alabama Highs Education Partnership TAHP Alabama Industrial Development Training TIDT Alabama Industrial Development Training TIDT Alabama Retired State Employees Association TREA Alabama State Employees Association TASE Alabama State Employees Association TASE Alabama State University TMST Alabama Technology Network TATN Alabama Vocational Association TAVA Alabama City Board of Education TALB Alexander City Board of Education TALX Andalusia City Board of Education TADL	4,058 1,751 312 14,813 54,866 615 6,447 1,243 66,081		242 104 19 884 3,275 37 385 74	397 145 19 547 1,500 29 284 43	639 249 38 1,431 4,775 66 669	174 75 13 635 2,352 26 276	243 105 19 886 3,280 37	- - - -	139 - 56 10 161	556 180 88 1,531	351 151 26	29 59 (12)	380 210 14
Alabama High School Athletic Association TAAA Alabama Higher Education Partnership TAHP Alabama Industrial Development Training TIDT Alabama Industrial Development Training TIDT Alabama Industrial Development Training TIDT Alabama Retired State Employees Association TREA Alabama School of Fine Arts THFA Alabama State Employees Association TASE Alabama State University TMST Alabama Vocational Association TAVA Alabater City School System TALR Alexander City Board of Education TALX Andalusia City Board of Education TALX Andalusia City Board of Education TADL Anniston Board of Education TANN	1,751 312 14,813 54,866 615 6,447 1,243 66,081		104 19 884 3,275 37 385 74	145 19 547 1,500 29 284 43	249 38 1,431 4,775 66 669	75 13 635 2,352 26 276	105 19 886 3,280 37	- - - -	- 56 10 161	180 88 1,531	151 26	59 (12)	210 14
Alabama Higher Education Partnership TAHP Alabama Industrial Development Training TIDT Alabama Industrial Development Training TIDT Alabama Institute for Deaf and Blind TAID Alabama Retired State Employees Association TREA Alabama School of Fine Arts THFA Alabama State Employees Association TASE Alabama State University TMST Alabama Vocational Association TAVA Alabaster City School System TALR Alexander City Board of Education TALS Andalusia City Board of Education TADL Anniston Board of Education TADL	312 14,813 54,866 615 6,447 1,243 66,081	-	19 884 3,275 37 385 74	19 547 1,500 29 284 43	38 1,431 4,775 66 669	13 635 2,352 26 276	19 886 3,280 37	-	56 10 161	88 1,531	26	(12)	14
Alabama Industrial Development Training TIDT Alabama Institute for Deaf and Blind TAID Alabama Institute for Deaf and Blind TAID Alabama State Employees Association TREA Alabama State Employees Association TASE Alabama State University TMST Alabama Technology Network TATN Alabaster City School System TALR Albertville City Board of Education TALB Alexander City Board of Education TALX Andalusia City Board of Education TADL Anniston Board of Education TADL	14,813 54,866 615 6,447 1,243 66,081	-	884 3,275 37 385 74	547 1,500 29 284 43	1,431 4,775 66 669	635 2,352 26 276	886 3,280 37	-	10 161	1,531		· · ·	
Alabama Institute for Deaf and Blind TAID Alabama Retired State Employees Association TREA Alabama School of Fine Arts THFA Alabama State Employees Association TASE Alabama State Employees Association TASE Alabama State University TMST Alabama Technology Network TATN Alabama Vocational Association TAVA Alabara Vocational Association TAVA Alabater City School System TALR Albertville City Board of Education TALS Andalusia City Board of Education TADL Anniston Board of Education TADN	54,866 615 6,447 1,243 66,081	-	3,275 37 385 74	1,500 29 284 43	4,775 66 669	2,352 26 276	3,280 37	-	161		1,281		
Alabama Retired State Employees Association TREA Alabama School of Fine Arts THFA Alabama State Employees Association TASE Alabama State Employees Association TASE Alabama State University TMST Alabama Technology Network TATN Alabaster City School System TALR Albextruille City Board of Education TALS Alexander City Board of Education TALX Andalusia City Board of Education TADL Anniston Board of Education TADL	615 6,447 1,243 66,081	-	37 385 74	29 284 43	66 669	26 276	37	-		5,793	4,741	461	5,202
Alabama School of Fine Arts THFA Alabama State Employees Association TASE Alabama State University TMST Alabama Technology Network TATN Alabama Vocational Association TAVA Alabaster City School System TALR Alexander City Board of Education TALS Andalusia City Board of Education TALX Andalusia City Board of Education TADL Anniston Board of Education TADN	6,447 1,243 66,081	-	385 74	284 43	669	276		-		103	4,741	401	5,202
Alabama State Employees Association TASE Alabama State University TMST Alabama State University TATN Alabama Dechnology Network TATN Alabama Vocational Association TAVA Alabaster City School System TALR Albertville City Board of Education TALB Alexander City Board of Education TALX Andalusia City Board of Education TADL Andalusia Cold Education TADL	1,243 66,081	-	74	43			300		40 65	726	556	85	641
Alabama State University TMST Alabama Technology Network TATN Alabama Vocational Association TAVA Alabaster City School System TALR Albertville City Board of Education TALB Alexander City Board of Education TALX Andalusia City Board of Education TADL Andalusia City Board of Education TADL	66,081	-			117			-	192				75
Alabama Technology Network TATN Alabama Vocational Association TAVA Alabaster City School System TALR Albertville City Board of Education TALB Alexander City Board of Education TALX Andalusia City Board of Education TADL Anniston Board of Education TANN		-	3.944			53	74	-		319	107	(32)	
Alabama Vocational Association TAVA Alabaster City School System TALR Albertville City Board of Education TALB Alexander City Board of Education TALX Andalusia City Board of Education TADL Anniston Board of Education TANN			- / -	678	4,622	2,833	3,951	-	8,503	15,287	5,712	(2,087)	3,625
Alabaster City School System TALR Albertville City Board of Education TALB Alexander City Board of Education TALX Andalusia City Board of Education TADL Anniston Board of Education TANN		-	398	-	398	286	398	-	589	1,273	576	(235)	341
Albertville City Board of Education TALB Alexander City Board of Education TALX Andalusia City Board of Education TADL Anniston Board of Education TANN	66	-	4	5	9	3	4	-	8	15	5	(2)	3
Alexander City Board of Education TALX Andalusia City Board of Education TADL Anniston Board of Education TANN	49,684	-	2,965	3,356	6,321	2,130	2,971	-	2,032	7,133	4,296	(484)	3,812
Andalusia City Board of Education TADL Anniston Board of Education TANN	36,090	-	2,154	2,774	4,928	1,547	2,158	-	-	3,705	3,119	1,042	4,161
Anniston Board of Education TANN	23,556	-	1,406	410	1,816	1,010	1,408	-	4	2,422	2,036	129	2,165
	11,928	-	712	29	741	511	713	-	207	1,431	1,031	(47)	984
	17,678	-	1,055	127	1,182	758	1,057	-	661	2,476	1,529	(114)	1,415
Arab City Board of Education TARB	19,466	-	1,162	515	1,677	835	1,164	-	371	2,370	1,684	205	1,889
Athens City Board of Education TATH	32,152	-	1,919	2,510	4,429	1,378	1,922	-	-	3,300	2,778	813	3,591
Athens State University TATC	25,426	-	1,518	1,052	2,570	1,090	1,520	-	410	3,020	2,197	1	2,198
Attalla City Schools TATT	12,866	-	768	214	982	552	769	-	250	1,571	1,112	65	1,177
Auburn City Board of Education TAUB	64,799	-	3,868	3,309	7,177	2,778	3,874	-	-	6,652	5,601	1,357	6,958
Auburn University TAPI	619,862	-	36,996	34,836	71,832	26,575	37,061	-	-	63,636	53,583	11,924	65,507
Autauga County Board of Education TATG	63,988	-	3,819	575	4,394	2,743	3,826	-	464	7,033	5,532	54	5,586
Baldwin County Board of Education TBLD	234,375	-	13,989	9,784	23,773	10,048	14,013	-	-	24,061	20,259	4,502	24,761
Barbour County Schools TBAR	7,308	-	436	-	436	313	437	-	622	1,372	632	(247)	385
Bessemer Board of Education TBSM	30,013	-	1,791	-	1,791	1,287	1,794	-	1,223	4,304	2,595	(426)	2,169
Bevill State Community College TWCT	26,864	-	1,603	1,617	3,220	1,152	1,606	-	517	3,275	2,323	Ì117	2,440
Bibb County Board of Education TBIB	25,377	-	1,515	330	1,845	1,088	1,517	-	314	2,919	2,193	(6)	2,187
Birmingham City Schools TBMH	199,137	-	11,885	848	12,733	8,537	11,906	-	3,887	24,330	17,213	(1,628)	15,585
Bishop State Community College TMJC	17,827	-	1,064	-	1,064	764	1,066	-	3,805	5,635	1,540	(1,144)	396
Blount County Board of Education TBLT	56,062	-	3,346	57	3,403	2,404	3,352	-	487	6,243	4,846	(107)	4,739
Boaz City Board of Education TBOZ	17,550	-	1,047	370	1,417	752	1,049	-	-	1,801	1,516	122	1,638
Brewton City Board of Education TBWT	9,099	-	543	120	663	390	544	-	93	1,027	787	(24)	763
Bullock County Board of Education TBLK		_	720	.20	720	517	721	-	406	1,644	1.042	(134)	908



			<u>]</u>	eferred Outfle	ows of Resource	<u>s</u>		Deferre	d Inflows of R	esources		P	ension Expense Deferred	
Employer	Employer Code	2017 Net Pension Liability	Differences Between Expected and Actual Experience		Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions	Total Deferred Outflows of	Differences Between Expected and Actual Experience	Earnings on Pension Plan	Change of Assumptions	Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions	Total Deferred Inflows of	Proportionate Share of Plan Pension Expense	Amounts from Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions	Total Employer Pension Expense
Butler County Board of Education	TBLR	23,399		1,397	303	1,700	1,003	1,399		1,305	3,707	2,021	(308)	1,713
Calhoun Community College	TDEC	23,399 34,626	-	2,067	1,706	3,773	1,003	2,070	-	1,305	3,658	2,992	(308) 463	3,455
Calhoun County Board of Education	TCAL	69,234	_	4,132	724	4,856	2,968	4,139	_	639	7,746	5,985	93	6,078
CAPNA, Inc.	TNCA	17,795		1,062	2,294	3,356	2,900	1,064		- 039	1,827	1,538	1,305	2,843
Central Alabama Community College	TACC	11,748	_	701	2,234	909	504	702	-	551	1,757	1,016	(200)	2,045
Chambers County Board of Education	TCHB	28,640	_	1,709	248	1,957	1,228	1,712	-	234	3,174	2,476	(200)	2,531
Chattahoochee Valley Community College	TCVS	8,126	_	485	15	500	348	486	_	260	1,094	701	(68)	633
Cherokee County Board of Education	TCHK	31,730		1,894	391	2,285	1,360	1,897		64	3,321	2,742	86	2,828
Chickasaw City School System	TCKW	7,588		453	1,159	1,612	325	454		- 04	779	656	422	1,078
Chilton County Board of Education	TCHT	53,359	-	3,185	1,139	4,584	2,288	3,190	-	-	5,478	4,611	366	4,977
Choctaw County Board of Education	TCHW	11,901	-	710	1,399	4,384	2,200	712	-	- 522	1,744	1,029	(199)	4,977
Clarke County Board of Education	TCLK	21,634		1,291	-	1,291	927	1,293		1,703	3,923	1,870	(199)	1,304
Clay County Board of Education	TCLY	14,363		857	51	908	616	859		359	1,834	1,244	(65)	1,304
Cleburne County Board of Education	TCLB	19,504		1,164	289	1,453	836	1,166		765	2,767	1,686	(03)	1,693
Coastal Alabama Community College	TBMC	36,429		2,174	798	2,972	1,562	2,178		279	4,019	3,150	4	3,154
Coffee County Board of Education	TCOF	14,940		892	679	1,571	641	893		215	1,534	1,291	242	1,533
Colbert County Board of Education	TCOL	24,865	_	1,484	218	1,702	1,066	1,487	_	372	2,925	2,150	(129)	2,021
Community Svc Programs of West Alabama	TCSP	6,953	_	415	210	415	298	416	_	812	1,526	601	(282)	319
Conecuh County Board of Education	TCON	14,407	_	860	213	1,073	618	861	_	537	2,016	1,245	(152)	1,093
Coosa County Board of Education	TCSA	7,999	_	477	- 213	477	343	478	-	745	1,566	691	(310)	381
Council for Leaders in Alabama Schools	TACA	843	-	50	15	65	36	50	-	7	93	72	(010)	76
Covington County Board of Education	TCOV	23,868	_	1,425	258	1,683	1,023	1,427	_	19	2,469	2,063	86	2,149
Crenshaw County Board of Education	TCRW	17,322	_	1,034	567	1,601	743	1,036	_	43	1,822	1,498	133	1,631
Cullman City Board of Education	TCMN	23,811	_	1,421	328	1,749	1,021	1,424	-	40 90	2,535	2,059	120	2,179
Cullman County Commission on Education	TCUL	73,050	_	4,360	632	4,992	3,132	4,368	-	374	7,874	6,315	266	6,581
Dale County Board of Education	TDAL	22,286	_	1,330	642	1,972	955	1,332	_	- 10	2,287	1,926	218	2,144
Daleville City Board of Education	TDLV	7,828	_	467	21	488	336	468	-	749	1,553	676	(207)	469
Dallas County Board of Education	TDLS	27,871	_	1,663	- 21	1,663	1,195	1,666	-	1,151	4,012	2,408	(426)	1,982
Dauphin Island Sea Lab	TMES	7,136	_	426	649	1,000	306	427	_	128	861	617	132	749
Decatur Board of Education	TDTR	74,556	-	4,450	92	4,542	3,196	4,458	-	1,423	9,077	6,444	(646)	5,798
Dekalb County Board of Education	TDKB	66,320	-	3,958	1,433	5,391	2,843	3,965	-		6,808	5,733	535	6,268
Demopolis City Schools	TDPL	16,161	-	965	74	1,039	693	966	-	141	1,800	1,396	13	1,409
Developing Alabama Youth Foundation	TDAY	762	-	46	52	98	33	46	-	29	108	65	30	95
Dothan Board of Education	TDTN	69.843	-	4.169	969	5,138	2,994	4.176	-	1.142	8.312	6,038	249	6,287
Elba City Board of Education	TELB	5,652	-	337	-	337	2,004	338	-	210	790	489	(102)	387
Elmore County Board of Education	TELM	76,607	-	4,572	559	5,131	3,284	4,580	-	194	8,058	6,621	111	6,732
Enterprise Board of Education	TENP	49.811	-	2.973	1,871	4.844	2.136	2.978	-	130	5,244	4,307	595	4,902
Enterprise Ozark Community College	TEPC	11,736	-	700	519	1,219	503	702	-	1.757	2,962	1,016	(725)	291
Escambia County Board of Education	TESC	35,484	-	2,118	53	2,171	1,521	2,122	-	209	3,852	3,067	(69)	2,998
Etowah County Board of Education	TETH	63,386	-	3,783	16	3.799	2,718	3.790	-	778	7,286	5,481	(233)	5,248
Etowah County Community Service Program, Inc.	TECA	207	-	12	2	14	2,1.10	12	-	53	74	17	(25)	(8)
Eufaula City Board of Education	TEFL	21,412	-	1.278	335	1.613	918	1.280	-	99	2.297	1,850	(20)	1,931
Fairfield Board of Education	TFRF	13,760	-	821	189	1.010	590	823	-	419	1.832	1,190	(30)	1,160
Fayette County Board of Education	TFAY	17,486	-	1.044	35	1.079	750	1.045	-	770	2,565	1,510	(241)	1,269
Florence City Board of Education	TFLO	37.536	-	2,240	321	2,561	1,609	2.244	-	806	4,659	3.245	(193)	3,052
Fort Payne City Board of Education	TETP	22,077	-	1,318	492	1,810	947	1,320	-	20	2,287	1,908	201	2,109
		,011		1,010		1,010	547	1,020		20	2,201	1,000	201	2,100



And Second Partial Classifies Test Programme Partial Partin Partial Partial Partial Partial Partial Partin Par				D	eferred Outflo	ows of Resource	<u>s</u>		Deferre	d Inflows of R	esources		<u>P</u>	ension Expense	
Gasdam Sile Community Collegie TGDC 33,080 - 1,973 - 1,977 1,977 - 2,245 5,639 2,867 (96) 1,107 Genome Guy Manual Education TGGS 0,997 507 320 9,89 420 518 6 1 1077 886 110 166 Genome Cuy Manual Education TGGN 0,997 637 100 741 635 744 971 635 744 971 635 744 971 633 100 741 643 682 281 1,348 913 1,107 866 183 1,118 2,351 1,348 913 1,103 1,139 </th <th>Employer</th> <th></th> <th>Net Pension</th> <th>Between Expected and Actual</th> <th></th> <th>Proportion and Differences Between Employer Contributions and Proportionate Share of</th> <th>Deferred Outflows of</th> <th>Between Expected and Actual</th> <th>Difference Between Projected and Actual Investment Earnings on Pension Plan</th> <th></th> <th>Proportion and Differences Between Employer Contributions and Proportionate Share of</th> <th>Total Deferred Inflows of</th> <th>Share of Plan Pension</th> <th>Amounts from Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of</th> <th>Employer Pension</th>	Employer		Net Pension	Between Expected and Actual		Proportion and Differences Between Employer Contributions and Proportionate Share of	Deferred Outflows of	Between Expected and Actual	Difference Between Projected and Actual Investment Earnings on Pension Plan		Proportion and Differences Between Employer Contributions and Proportionate Share of	Total Deferred Inflows of	Share of Plan Pension	Amounts from Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of	Employer Pension
Gasdam Sile Community Collegie TGDC 33,080 - 1,973 - 1,977 1,977 - 2,245 5,639 2,867 (96) 1,107 Genome Guy Manual Education TGGS 0,997 507 320 9,89 420 518 6 1 1077 886 110 166 Genome Cuy Manual Education TGGN 0,997 637 100 741 635 744 971 635 744 971 635 744 971 633 100 741 643 682 281 1,348 913 1,107 866 183 1,118 2,351 1,348 913 1,103 1,139 </td <td>Onderland Otto Denord of Education</td> <td>TODO</td> <td>44.000</td> <td></td> <td>0.504</td> <td>407</td> <td>0.000</td> <td>4 700</td> <td>0.505</td> <td></td> <td>755</td> <td>5 050</td> <td>0.000</td> <td>75</td> <td>0.007</td>	Onderland Otto Denord of Education	TODO	44.000		0.504	407	0.000	4 700	0.505		755	5 050	0.000	75	0.007
General Based of Education TGRE 6.28 9.37 150 157 27 38 19 19 64 66 110 166 General Cible and of Education TGEN 19.443 1.172 587 1.78 442 1.174 - 13 2.029 1.697 2.029 1.697 2.029 1.697 2.029 1.697 2.029 1.697 2.029 1.697 2.029 1.697 1.697 2.029 1.697 1.697 2.029 1.697 1.697 1.697 1.697 2.049 1.697 2.049 1.049 1.697 <t< td=""><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td></t<>				-						-					
Genera Gaury Band of Education TGCB 9.997 - 647 32.9 9.86 4.20 6.86 - - 1.027 865 1.16 980. Genera Gaury Bande State Grannuhy Collage TGWS 12.485 - 745 175 981 535 745 - 806 1.837 1.797 (18.4) 983 983 Genera Gaury Saad F Education TMK 1.2074 - 745 183 545 7.74 - 1.18 923 1.138 913 1.138 913 1.138 913 1.132 1.039 1.132 1.039 1.132 1.03 1.132 1.03 1.132 1.03 1.132 1.03 1.132 1.03 1.132 1.03 1.132 1.03 1.132 1.03 1.132 1.03 1.132 1.03 1.132 1.03 1.132 1.03 1.035 1.035 1.042 1.042 1.042 1.042 1.042 1.042 1.042 1.042 1.042	, ,			-	,			,	7 -	-				· · /	
Genera Contry Board of Education TEM 106/43 - 1.17 587 1.76 925 745 176 921 555 745 176 921 555 745 176 921 555 745 176 921 555 745 176 921 555 745 176 921 555 745 176 921 745 176 921 745 745 745 745 745 745 745 745 745 745 745 746 745 745 746 745 746 745 746 745 746 745 746 745 746 747 746 745 746 745 745 746 745 745 746 745				-						-	19				
George Curry Walkes Skies Community College TCMS 12,485 746 746 746 806 1,887 1,079 (154) 925 George Curry Moles Of Education TGNN 15,072 - 868 188 168 464 898 - 801 2,443 1,228 1,238 1,238 1,238 1,238 1,238 1,238 1,238 1,339 345 644 1,855 718 - 1,118 2,311 1,339 1,345 643 1,431 1,335 1,338 1,435 - 444 1,855 718 - 1,432 1,432 - 1,412 1,432 - 4,431 - 4,431 - 4,431 - 1,433 1,435 - 1,443 1,333 1,414 - 1,432 2,243 3,347 1,440 2,477 1,408 3,417 1,423 3,347 1,414 1,414 1,414 1,414 1,414 1,414 1,414 1,414 1,414 <t< td=""><td>-</td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td>-</td><td>-</td><td></td><td></td><td></td><td></td></t<>	-			-						-	-				
Greenie County Board of Education TGRN 10.577 6 51 110 741 453 632 - 281 1.246 913 (107) 806 Contresuite Cly Board of Education TMGT 1.204 - 716 477 1.133 515 718 - 1.118 2.043 1.226 1.045 644 1.86 641 885 1.142 685 2.043 1.028 6.047 1.648 641 1.865 1.142 4.138 615 718 - 1.44 1.868 1.041 1.855 1.042 2.03 1.043 1.042 2.03 1.043 1.017 716 1.576 (57) 1.519 Hours Cold Stand of Education THOM 4.035 - 2.437 1.043 1.242 2.375 1.568 (152) 3.356 Hours Cold Stand of Education THOM 4.043 2.227 1.865 2.465 - 4.441 3.622 2.356 1.0527 (403) 1.229 <td< td=""><td>5</td><td></td><td>- ,</td><td>-</td><td>,</td><td></td><td>,</td><td></td><td>,</td><td>-</td><td></td><td></td><td></td><td></td><td></td></td<>	5		- ,	-	,		,		,	-					
Gunderströck Sonard of Education TGUN 15/12 - 866 188 644 988 - 501 2,243 1,288 (24) 1,218 Hale Coundl Technication THAL 19,476 - 1,162 4 1,166 835 1,164 - 965 2,284 1,685 (27) 1,408 Hattobic City Board of Education THCX 2,397 - 1,428 2,110 3 1,435 - 4,44 2,289 2,074 35 2,110 Memondo City Board of Education THCX 2,387 - 1,438 2,427 1,279 1,426 - 4,511 3,568 1,512 3,555 1,488 2,427 1,279 1,426 1,431 - 2,640 - 4,511 3,322 2,31 4,050 1,0821 1,0821 1,0821 1,0821 1,0821 1,0821 1,0821 1,0821 1,0821 1,0821 1,0821 1,0821 1,0821 1,0821 1,0821 <t< td=""><td>5 J J</td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td></t<>	5 J J			-						-					
H. County Bard Find 11.00 11.00 11.00 11.00 11.00 2.001 1.000			- / -	-						-					
Hale County Board of Education THAL 19.476 - 1.162 4 1.66 853 1.164 - 985 2.984 1.685 (27) 1.402 Hartselic Qip Board of Education THC 2.3,997 - 1.432 203 1.635 1.029 1.435 - 4.44 1.388 2.074 36 2.17 Henry County Board of Education THO 40.505 - 2.423 9.24 9.24 2.427 - 1.279 5.446 3.508 (161) 1.922 3.536 1.986 2.485 - 2.451 3.862 (161) 1.922 3.44 3.83 1.496 - 1.62 2.055 1.686 (161) 1.922 1.563 1.922 2.275 1.686 1.522 1.563 (161) 1.922 1.563 1.632 1.633 1.642 2.835 1.892 - 2.454 3.838 1.712 1.643 8.935 1.7128 1.563 1.563 1.563 1.563				-						-					
Heleyleic Dy Board of Education THAS 1.3.091 - 7781 6.3 844 561 783 - 44 1.388 1.132 (3) 1.132 HenryCourty Board of Education THAM 18,235 - 1.442 2.33 1.610 782 1.409 - 2.33 2.075 1.576 (57) 1.513 Honver City Board of Education THAO 1.82,191 - 7.651 9.48 8,599 6,496 7.655 - 2.525 15,866 11.082 2.43,698 Houston Courty Board of Education THTS 141,201 - 6,611 2.257 1.986 - 4.42 1.39 887 (160) 14.25 2.336 1.377 1.8640 - 1.373 2.0566 11.627 4.608 1.572 4.608 1.572 4.608 1.572 4.608 1.572 4.608 1.573 1.398 1.571 4.608 1.572 4.608 1.572 4.608 1.572 4.608 1	5		/	-			,			-				· · /	
Hendsel Civy Board of Education THCS 2.3.97 - 1.4.32 2.0.3 1.6.35 - 4.44 2.888 2.074 36 2.110 Homy Coury Board of Education THOV 40.5235 - 1.088 13 1.101 7.82 1.009 - 2.33 2.075 1.576 (57) 1.519 Hower Civy Board of Education THOV 40.2181 - 7.443 3.472 1.739 5.446 3.508 (162) 3.336 Hower Civy Board of Education THS 144.23 - 2.640 9.85 3.225 1.806 2.645 - - 4.541 1.632 1.635 1.629 1.432 1.807 - 4.649 1.28 1.273 1.040 - 1.621 1.805 - 2.642 1.339 5.671 (169) 4.302 Lice Convolt Education THCS 6.069 - 7.671 1.671 4.842 1.846 1.825 1.826 1.825 1.826 1.82	-		-, -	-	, -		,		, -	-					,
Henry County Board of Education THV 18,23 - 1008 1,101 782 1.090 - 203 2.075 1.576 (57) 1.519 Honewood City Board of Education THO 40.555 2.423 324 324 7.479 2.442 1.279 5.446 3.08 (127) 3.0275 1.568 1.108 (161) 1.921 Housten Courty Board of Education THS 181.30 1.2.194 7.765 9.66 7.665 - 2.568 15.672 (463) 15.209 J. F. Driks State Technical College TDK 11.20 - 671 182 8.33 4.42 672 - 600 1.964 9.97 (169) 482 Jackscon Curty Board of Education TLKS 46.095 - 2.751 84 2.825 1.076 2.766 - 2.973 6.327 2.18 6.415 Jackscon Curty Board of Education TLST 7.13 4.300 6.73 5.242 3.18 4.374<			- ,	-						-					, -
Hom/word Chy Board of Education THOV 40,55 2,423 924 3,347 1,740 2,427 - 1,779 5,46 3,085 (161) 3,365 Hoover City Board of Education THS 144,231 - 2,640 85,599 5,725 1,886 2,625 - - 4,841 3,822 2,37 4,039 J. F. Jorns State Technical College THXS 6,766 - 6,461 1,323 2,71 1,864 2,853 1,470 2,645 - 4,643 3,567 (165) 452 J. F. Jorns State Technical College TDKT 6,766 - 7,76 42 2,756 - 3,22 5,044 3,865 (76) 3,99 3,362 1,737 10,804 - 6,05 1,737 10,804 - 763 442 2,756 - 3,242 5,044 3,657 1,733 9,632 2,123 1,739 9,631 1,917 2,930 4,741 2,957 3,363 1,2173 <td></td> <td></td> <td>- ,</td> <td>-</td> <td>, -</td> <td></td> <td>,</td> <td></td> <td>,</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td>			- ,	-	, -		,		,	-					
Hower CDY Board of Education THO 128,191 - 7,651 9,488 8,599 5,466 7,665 - 5,526 11,082 (10,921 Hoursbuilc CDY Schools THS 181,304 - 10,821 12,184 7,773 10,840 - 4,541 3,822 14,681 1,5209 J. F. Drak Statte Technical College TDK 6,766 - 460 112 833 442 672 - 600 1,984 9,716 3,865 1,984 9,716 3,865 427 5,984 3,885 (76) 3,865 3,265 1,986 642 672 - 630 1,921 1,930 3,965 1,932 5,964 3,385 (76) 3,985 1,932 1,930 3,945 1,930 3,945 1,930 1,930 1,930 1,930 1,930 1,930 1,242 1,930 1,930 1,930 1,930 1,930 1,930 1,930 1,930 1,930 1,910 1,930 1,93				-					,	-					
Houston County Board of Education THS 44,21 - 2,640 585 3,225 1,886 2,645 - 4,541 3,822 2,73 4,083 J. F. Drake State Technical College THVS 6,796 - 406 12,12 518 291 406 - 642 1,339 557 (463) 515,209 J. F. Jorgans State Technical College THX 40,095 - 67.7 162 833 482 672 - 642 1,339 573 (76) 3,985 (76) 3,985 76 990 Jacksomice (Dy Board of Education TLST 7,194 - 4,393 5,742 3,188 4,376 - 779 8,037 2,983 7 990 Jacksomice (Dy Andreinan Federation of Tackers TLFT 2,784 - 1,390 4,471 1,210 1,685 2,216 1,616 2,2160 1,618 2,2160 1,618 2,2160 1,623 1,6170 1,710 2,623 3,161 4,19 <				-						-					
Huntsville City Schools THS 181,34 - 1.363 12,184 7.73 10,840 - 1.973 20,586 15,672 (463) 15,672 J.F. Drake State Technical College THV 11,240 - 671 162 833 482 672 - 600 1.954 971 (163) 815 Jacksconville State Technical College TUK 44,095 - 678 775 478 6,769 - 630 - 106 12,73 6333 76 9303 - 771 64,97 755 478 2625 31,81 4				-						-					
j.F. Drake Sinae Technical College THVS 6,796 . 406 112 518 291 406 . 642 1,339 587 (105) 482 J.F. Ingram State Technical College TDK1 11,240 . 671 162 833 482 672 . 500 10,395 971 (156) 815 . 3909 Jacksonvile City Board of Education TLKS 46,095 . 778 30,34 . 178 78 765 487 780 050 1,325 . 7793 6,327 218 6,545 . Jacksonvile City Board of Education TLFT 278 . 17 30 47 12 17 . 47 76 24 205 1,710 . Jacksonvile City Board of Education . 141 3,508 2,412 2,505 1,717 . 47 76 24 2,625 3,618 2,412 2,625 1,618 2,412 2,489 . 1,414 3,508 2,425 1,618 1,412 1,412 1,414 1,414 1,4				-						-					
j.F. jargam State Technical College TDRT 11.240 • 671 162 833 462 672 • 800 1.964 971 (166) 3.995 .676 3.995 .676 3.995 .779 3.022 .5054 3.985 .790 3.024 .7313 6.545 3.985 .790 .6327 .2756 .480 .791 .4273 .6327 .2761 .6327 .2761 .6327 .2761 .6327 .2761 .6327 .2761 .6327 .2761 .6327 .2761 .6327 .2761 .6327 .2761 .6327 .2761 .6327 .2761 .6327 .2761 .6327 .2761 .6327 .2761 .6327 .2761 .6327 .2761 .6327 .2761 .6327 .2761 .6324 .2763 .6327 .2761 .6324 .2761 .6324 .2761 .6324 .1703 .6327 .2625 .3168 .2412 .2602 .1770 .242 .2625 .3161 .2625 .161 .191 .133 .4142 .6170 .2602 .3				-						-					
jacksonic County Board of Education TUKS 46,095 - 2,75 84 2,756 - 322 5,054 3,985 (7) 990 Jacksonville (Struction) TUST 73,194 - 4,89 873 5,242 3,138 4,376 - 279 7,733 6,227 218 6,543 Jacksonville (Struction) TUST 73,194 - 4,366 670 3,034 4,376 - 279 7,733 6,227 218 6,543 1,710 Jacksonville (Struction) 1,915 2,262 759 3,034 1,915 (205) 1,710 Jacksonville (Struction) 1,916 2,421 2,503 1,710 47 76 2,42 2,650 Jacksonville (Struction) 1,117 2,412 1,710 2,342 Jacksonville (Struction) 1,114 1,636 5,33 1,716 720 1,004 - 1141 1,636 2,421 1,650 2,422 3,638 1,433 1,432 1,432 1,435 1,435 1,436 1,433 1,439 1,435 1,435 1,436 1,437 </td <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td>				-						-					
Jacksonville Schy Board of Education TLCS 11.367 - 6.78 78 756 4.87 6.80 - 106 1.273 983 7 983 16.55 Jacksonvills State Communy Marcian Federation of Feachers TLFF 228.413 - 16.85 1.959 - 11.48 3.508 2.832 3.518 4.2412 0.570 2.882 1.464 Lamer Controm Schools 1.1.07 1.466 3.508 4.255 - 120 8.56 7.9 <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td>				-						-					
Jackson/like State University TJST 73,194 - 4.369 87.3 5.242 3.138 4.376 - 279 7.793 6.327 218 6.545 Jasper City Board of Education TJFT 278 - 1.323 67 1.330 47 12 - 47 76 24 2 26 Jefferson Scury Board of Education TJEF 282,413 - 16.866 533 17.389 12.108 16.885 - 2.625 31.018 24.412 (370) 23.842 Jefferson State Community College TJLC 32.711 - 1.956 564 2.520 1.045 1.959 - 1.11 1.835 1.452 12 1.464 Landt City Schools TLNT 7.113 422 2.602 3.629 - 3.98 6.629 5.247 (16) 5.231 Lawe Enforement AcademyBackiwn County Board of Education TLAU 6.682 - 7.03 4.629 2.543 3.188 (479) 2.703 5.6 7 9 12 - 1.33 <t< td=""><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td>(70)</td><td></td></t<>				-						-				(70)	
Jasper City Board of Education TJSP 22,160 - TJSP 3,034 1,916 (205) 1,710 Jefferson County American Federation of Teachers TJF 278 - 17 30 47 12 17 - 47 76 24 2 26 Jefferson County Board of Education TJF 282,413 - 16,856 533 17,389 12,108 16,856 - 2,625 31,618 24,412 (570) 23,842 Jeamar County Schools TLM 6,794 - 1,002 74 1,076 - 144 3,508 2,842 1,461 1,411 1,835 1,452 12 1,464 Lauderdale County Board of Education TLM 7,113 - 425 2,421 666 3,629 - 130 6,629 5,247 (16) 5,231 Lauderdale County Board of Education TLK 7,103 - 130 42 2,209 3,629 - 1,467 5,253 3,188 (4,79) 2,709 Lawrencocounty Board of Education TLK				-						-				219	
Jefferson County American Federation of Teachers TJFT 278 - 17 30 47 12 17 - 47 76 24 2 26 Jefferson County Band of Education TJJF 282,213 - 16,865 533 17,399 - 144 3,508 2,822 37 23,842 Jefferson County Schools TLM 16,714 - 1,002 74 1,076 720 1,004 - 111 1,835 1,452 12 1,464 Lauder Color Schools TLM 7,113 - 425 241 666 305 425 - 120 850 613 91 704 14 17 24 2 164 17 100 - 111 1,835 1,452 12 1,467 144 17 24 2 164 17 100 - 159 76 13 309 (26) 124 12 14 12 14 12 14 12 14 12 12 14 13 139				-						-					
Jefferson Coum, Baard of Education TLF 282.413 - 16,856 533 17.389 12.108 16,885 - 2.625 31,618 24.412 (570) 23.842 Jefferson State Community College TLAM 16,794 - 1,002 74 1,076 720 1,004 - 111 1,835 1,452 12 1,446 Lauderdial County Board of Education TLM 6,169 - 4.25 2.41 666 305 4.25 - 120 850 613 91 7704 Lauderdial County Board of Education TLM 60,692 - 3.62 67 9 12 - 130 34 17 25 425 Law Enforcement Academy-Baldwin County TSWP 203 - 12.73 604 1.877 914 1.275 - 1.467 5.253 3.188 (479) 2.709 Law Enforcement Academy-Baldwin County TLSC 21,326 - 1.273 604 1.877 914 1.275 - 1546 8.011 6.629 7.757				-						-					
Jefferson State Community College T.U.C 3.771 1.956 564 2.520 1.405 1.959 - 144 3.508 2.832 3.7 2.869 Lamet Cuy Schools TLAM 16,794 - 10.02 74 1.076 720 1.004 - 111 1.835 1.452 12 1.464 Lanet Cly Schools TLNT 7.113 - 425 241 666 305 425 - 120 850 613 91 704 Law Enforcement AcademyBaldwin County TSWP 203 - 12 55 67 9 12 - 138 6,629 5,247 (16) 5,242 Law Enforcement AcademyBaldwin County TSWP 203 - 2,010 64 1,877 914 1,275 - 1,467 5,253 3,188 (479) 2,709 Lawson State College TLSC 21,326 - 1,273 604 1,877 914 1,275 - 149 2,538 1,843 (102) 1,741 Leeds Board of Education				-						-					
Lamar County Schools TLAM 16,794 - 1,002 74 1,076 720 1,004 - 111 1,835 1,452 12 1,464 Landerdale County Schools TLAU 06,629 - 3,622 166 3,782 2,602 3,629 - 938 6,629 5,247 (16) 5,247 Law Enforcement AcademyBaldwin County TSWP 203 - 12 55 67 9 12 - 13 34 17 25 42 Law Enforcement AcademyBaldwin County TSWP 203 - 12 55 67 9 12 - 13 34 17 25 42 Law Enforcement AcademyFusciolosa TLEK 165 - 10 6 16 7 10 - 59 76 13 (39) (26) Law Enforcement Academy TLSC 2,1326 - 1,273 604 1,877 914 1,275 - 349 2,538 1,843 (102) 1,741 Leed Sbard of Education				-	,			,		-					
Lanett City Schools TUNT 7,113 - 425 241 666 305 425 - 120 650 613 91 704 Law Enforcement Academy-Baldwin County TSWP 203 - 328 6,29 5,247 (16) 5,231 Law Enforcement Academy-Ealdwin County TSWP 203 - 12 5 67 9 12 - 13 34 17 2.5 42 Law Enforcement AcademyTuscalosa TLET 165 - 10 6 16 7 10 - 59 76 13 (39) (26) Lawson State College TLSC 21,326 - 1,273 604 1,877 914 1,275 - 349 2,533 1,843 (102) 1,714 Leeds Board of Education TLEE 76,556 - 4,69 1,442 6,011 3,282 4,577 - 1,50 1,506 1,69 7,735 7,352 Leeds Board of Education 1,506 1,606 1,670 1,506 1,66 1,607				-						-					
Lauderdale County Board of Education TLAU 60,692 - 3,622 160 3,782 2,602 3,629 - 398 6,629 5,247 (16) 5,231 Law Enforcement Academy-Baldwin County TSWP 203 - 12 55 67 9 12 - 13 34 17 25 42 Law Enforcement Academy-Tuscaloosa TLET 165 - 10 - 59 76 13 (39) (26) Law Enforcement Academy-Tuscaloosa TLSC 21,326 - 1,273 604 1,877 914 1,275 - 349 2,538 1,843 (102) 1,711 Lee County Board of Education TLES 7,852 1,094 1,969 629 877 - 152 8,011 6,617 735 7,352 166 1,073 1,969 629 877 - 128 566 369 18 867 Linde City Board of Education TLND 4,168 - 7,10 6,021 2,952 4,116 - 128				-						-					
Law Enforcement AcademyBaldwin County TSWP 203 - 12 55 67 9 12 - 13 34 17 25 42 Law Enforcement AcademyTuscaloosa TLET 165 - 10 6 16 7 10 - 59 76 13 (39) (20) Lawson State College TLSC 21,326 - 1,273 604 1,877 914 1,275 - 349 2,538 1,843 (102) 1,741 Lee County Board of Education TLEE 76,556 - 4,569 1,442 6,011 3,282 4,577 - 152 8,011 6,617 735 7,352 Leeds Board of Education TLDS 14,668 - 875 1,094 1,969 629 877 - - 1,506 1,269 401 1,670 Limestone County Board of Education TLDS 14,668 - 875 1,094 1,969 629 877 - 128 5,66 369 18 387 Limeden Co				-						-					
Law Enforcement AcademyTuscaloosa TLET 165 - 10 6 16 7 10 - 59 76 13 (39) (26) Lawrence County Board of Education TLAW 36,882 - 2,201 54 2,255 1,581 2,205 - 1,467 5,253 3,188 (479) 2,714 Lawson State College TLSC 21,326 - 1,273 604 1,877 914 1,275 - 1467 5,253 3,188 (479) 2,705 Lee County Board of Education TLEE 76,556 - 4,569 1,442 6,011 3,282 4,577 - 152 8,011 6,617 735 7,352 Leeds Board of Education TLDS 14,668 - 875 1,094 1,999 629 877 - - 1,506 1,269 401 1,6617 745 2,552 865 6,617 Linden City Board of Education TLDN 4,263 - 254 166 420 183 255 - 128 5,66 <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td>				-						-					
Lawrence County Board of EducationTLAW36,882-2,201542,2551,5812,205-1,4675,2533,188(479)2,709Lawson State CollegeTLSC21,326-1,2736041,8779141,275-3492,5381,843(102)1,741Lee County Board of EducationTLEE76,556-4,5691,4426,0113,2824,577-1528,0116,6177357,352Leeds Board of EducationTLDS14,668-8751,0941,9696298771,5001,2694011,670Limestone County Board of EducationTLND4,263-2,54166420183255-12856636918387Linden City Board of EducationTLNN15,246-910-910664912-2,1743,7401,319(79)522Lurleen B. Wallace Community CollegeTLUR11,742-7013251,026503702-4031,6081,014(56)958Macison County Board of EducationTMAC77,976-1,073431,1167711,075-1,2183,0641,554(436)1,118Madison City Board of EducationTMAD147,963-539-539387540-1,2183,0641,554(436)1,274 <t< td=""><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td></t<>				-						-					
Lawson State CollegeTLSC21,326-1,2736041,8779141,275-3492,5381,843(102)1,741Lee County Board of EducationTLEE76,556-4,5691,4426,0113,2824,577-1528,0116,6177357,352Leeds Board of Education, City ofTLDS14,668-8751,0941,9696298771,5061,2694011,670Limestone County Board of EducationTLND4,263-254166420183255-12856636918387Lowndes County Board of EducationTLDN15,246-910-910654912-2,1743,7401,319(797)522Lurleen B. Wallace Community CollegeTLUR11,742-7013251,026503702-4031,6081,014(56)958Macon County Board of EducationTMDC77,505-4,6263,7978,4233,3234,6347,9576,6991,3508,049Madison County Board of EducationTMAD147,963-6,539-5393875407,9576,6991,3508,049Maringo Sourd of EducationTMAD147,963-539-5393875407,9576,6991,3508,049Mar				-						-					
Lee County Board of EducationTLEE76,556-4,5691,4426,0113,2824,577-1528,0116,6177357,352Leeds Board of Education, City ofTLDS14,668-8751,0941,9696298771,5061,2694011,670Limestone County Board of EducationTLND4,263-4,1091,9126,0212,9524,116-3847,4525,9528656,817Lownes County Board of EducationTLND4,263-254166420183255-12856636918877Lownes County Board of EducationTLND15,246-910-910654912-2,1743,7401,319(797)522Lurleen B. Wallace Community CollegeTLUR11,742-7013251,026503702-4031,6081,014(56)958Macon County Board of EducationTMAC17,976-1,073431,1167711,075-1,2183,0641,554(436)1,118Madison County Board of EducationTMAD147,963-8,8312099,0406,3448,847-61815,80912,792(48)12,744Marengo County Board of EducationTMAD147,963-539-539387540-8441,771780(419)				-						-					
Leeds Board of Education, City ofTLDS14,668-8751,0941,9696298771,5061,2694011,670Limestone County Board of EducationTLST68,849-4,1091,9126,0212,9524,116-3847,4525,9528656,817Linden City Board of EducationTLND4,263-254166420183255-12856636918387Lowndes County Board of EducationTLDN15,246-910-910654912-2,1743,7401,319(797)522Lurleen B. Wallace Community CollegeTLUR11,742-7013251,026503702-4031,6081,014(56)958Macion County Board of EducationTMAC17,796-1,073431,1167711,075-1,2183,0641,554(436)1,118Madison City Board of EducationTMAD147,963-8,8312099,0406,3448,847-61815,80912,722(48)8,049Marien Ocurty Board of EducationTMAD9,023-539-539387540-8441,771780(419)361Marien Osuruty Board of EducationTMAD9,023-539-539387540-8422,9332,181(22)2				-						-					
Limestone County Board of EducationTLST68,849-4,1091,9126,0212,9524,116-3847,4525,9528656,817Linden City Board of EducationTLND4,263-254166420183255-12856636918387Lowndes County Board of EducationTLDN15,246-910-910654912-2,1743,7401,319(797)522Lurleen B. Wallace Community CollegeTLUR11,742-7013251,026503702-4031,6081,014(56)911Macon County Board of EducationTMAC17,976-1,073431,1167711,075-1,2183,0641,554(436)1,118Madison City Board of EducationTMAD147,963-8,8312099,0406,3448,847-61815,80912,792(48)12,744Maringo County Board of EducationTMAR25,242-1,5072521,7591,0821,509-3422,9332,181(12)2,059Marin County Board of EducationTMAR25,242-1,5072521,7591,0821,509-3422,9332,181(12)2,059Marin Military InstituteTMMI8,327-4977751,272357498855700277997				-						-	- 152				
Linden City Board of Education TLND 4,263 - 254 166 420 183 255 - 128 566 369 18 387 Lowndes County Board of Education TLDN 15,246 - 910 - 910 654 912 - 2,174 3,740 1,319 (797) 522 Lurleen B. Wallace Community College TLUR 11,742 - 701 325 1,026 503 702 - 403 1,608 1,014 (56) 958 Macon County Board of Education TMAC 17,976 - 1,073 43 1,116 771 1,075 - 1,218 3,064 1,554 (436) 1,118 Macison County Board of Education TMDC 77,505 - 4,626 3,797 8,423 3,323 4,634 - - 7,957 6,699 1,350 8,049 Madison County Board of Education TMAD 147,963 - 8,831 209 9,				_							381				
Lowndes County Board of EducationTLDN15,246-910-910654912-2,1743,7401,319(797)522Lurleen B. Wallace Community CollegeTLUR11,742-7013251,026503702-4031,6081,014(56)958Macon County Board of EducationTMAC17,976-1,073431,1167711,075-1,2183,0641,554(436)1,118Madison County Board of EducationTMAD147,963-4,6263,7978,4233,3234,6347,9576,6991,3508,049Madison County Board of EducationTMAD147,963-8,8312099,0406,3448,847-61815,80912,792(48)12,744Marengo County Board of EducationTMNG9,023-539-539387540-8441,771780(419)361Marion County Board of EducationTMAR25,242-1,5072521,7591,0821,509-2,8332,181(122)2,059Marion Military InstituteTMMI8,327-4,977751,272357498855720277997Marshall County Board of EducationTMSH43,547-2,5992202,8191,8672,604-5955,0663,766(192)3,57				_						-					
Lurleen B. Wallace Community CollegeTLUR11,742-7013251,026503702-4031,6081,014(56)958Macon County Board of EducationTMAC17,976-1,073431,1167711,075-1,2183,0641,554(436)1,118Madison City Board of EducationTMDC77,505-4,6263,7978,4233,3234,6347,9576,6991,3508,049Marengo County Board of EducationTMAD147,963-8,8312099,0406,3448,847-61815,80912,792(48)12,744Marengo County Board of EducationTMNG9,023-539-539540-8441,771780(412)3,61Marion County Board of EducationTMAR25,242-1,5072521,7591,0821,509-3422,9332,181(12)2,051Marion Military InstituteTMMI8,327-4977751,272357498855720277997Marshall County Board of EducationTMSH43,547-2,5992202,8191,8672,604-5955,0663,766(192)3,574			,	-						-					
Macon County Board of EducationTMAC17,976-1,073431,1167711,075-1,2183,0641,554(436)1,118Madison City Board of EducationTMDC77,505-4,6263,7978,4233,3234,6347,9576,6991,3508,049Madison County Board of EducationTMAD147,963-8,8312099,0406,3448,847-61815,80912,792(48)12,744Marengo County Board of EducationTMNG9,023-539-539387540-8441,771780(419)361Marion County Board of EducationTMAR25,242-1,5072521,7591,0821,509-3422,9332,181(122)2,054Marion Military InstituteTMMI8,327-4977751,272357498855720277997Marshall County Board of EducationTMSH43,547-2,5992202,8191,8672,604-5955,0663,766(192)3,574				-											
Madison City Board of EducationTMDC77,505-4,6263,7978,4233,3234,6347,9576,6991,3508,049Madison County Board of EducationTMAD147,963-8,8312099,0406,3448,847-61815,80912,792(48)12,744Marengo County Board of EducationTMNG9,023-539-539387540-8441,771780(419)361Marion County Board of EducationTMAR25,242-1,5072521,7591,0821,509-3422,9332,181(122)2,059Marion Military InstituteTMMI8,327-4977751,272357498855720277997Marshall County Board of EducationTMSH43,547-2,5992202,8191,8672,604-5955,0663,766(192)3,574				_						_					
Madison County Board of EducationTMAD147,963-8,8312099,0406,3448,847-61815,80912,792(48)12,744Marengo County Board of EducationTMNG9,023-539-539387540-8441,771780(419)361Marion County Board of EducationTMAR25,242-1,5072521,7591,0821,509-3422,9332,181(122)2,059Marion Military InstituteTMMI8,327-4977751,272357498855720277997Marshall County Board of EducationTMSH43,547-2,5992202,8191,8672,604-5955,0663,766(192)3,574				-						-	1,210				
Marengo County Board of Education TMNG 9,023 - 539 - 539 387 540 - 844 1,771 780 (419) 361 Marion County Board of Education TMAR 25,242 - 1,507 252 1,759 1,082 1,509 - 342 2,933 2,181 (122) 2,059 Marion Military Institute TMMI 8,327 - 497 775 1,272 357 498 - - 855 720 277 997 Marshall County Board of Education TMSH 43,547 - 2,599 220 2,819 1,867 2,604 - 595 5,066 3,766 (192) 3,574				-	1			,		-	618				
Marion County Board of Education TMAR 25,242 - 1,507 252 1,759 1,082 1,509 - 342 2,933 2,181 (122) 2,059 Marion Military Institute TMMI 8,327 - 497 775 1,272 357 498 - - 855 720 277 997 Marshall County Board of Education TMSH 43,547 - 2,599 220 2,819 1,867 2,604 - 595 5,066 3,766 (192) 3,574	3		,	-	- /		- ,	- / -	- / -	-		- /	, -		
Marion Military Institute TMMI 8,327 - 497 775 1,272 357 498 - - 855 720 277 997 Marshall County Board of Education TMSH 43,547 - 2,599 220 2,819 1,867 2,604 - 595 5,066 3,766 (192) 3,574				_						_					
Marshall County Board of Education TMSH 43,547 - 2,599 220 2,819 1,867 2,604 - 595 5,066 3,766 (192) 3,574				_						_	342				
				-						-	-				
	Midfield City Board of Education	TMID	43,547	-	2,399	220	2,019	371	2,004	_	355	1,243	749	(192)	609



			D	eferred Outflo	ows of Resource	<u>s</u>		Deferre	d Inflows of R	<u>esources</u>		<u> </u>	ension Expense Deferred	
Employer	Employer Code	2017 Net Pension Liability		Change of Assumptions	Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions	Total Deferred Outflows of	Differences Between Expected and Actual Experience	Earnings on Pension Plan	Change of	Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions	Total Deferred Inflows of Resources	Proportionate Share of Plan Pension Expense	Amounts from Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions	Total Employer Pension Expense
Mobile School Commissioners	тмов	423,929		25,302		25,302	18,175	25,347	_	7,904	51,426	36,646	(2,615)	34,031
Monroe County Board of Education	TMOD	26,653		1,591	3	1,594	1,143	1,594		437	3,174	2,304	(166)	2,138
Montgomery City and County Board of Education	TMON	229,167	_	13,678	860	14,538	9,825	13,702	_	1,361	24,888	19,810	(100)	19,618
Morgan County Board of Education	TMOR	60,704	_	3,623	529	4,152	2,603	3,630	_	485	6,718	5,248	92	5,340
Mountain Brook City Board of Education	тмтв	49,274	_	2,941	501	3,442	2,003	2,946	_	214	5,272	4,259	196	4,455
Muscle Shoals City Schools	TMSC	24,282	_	1,449	1,434	2,883	1,041	1,452	_	214	2,493	2,099	486	2,585
Northeast Alabama Community College	TNEC	12,955	_	773	262	1,035	555	775	_	120	1,450	1,121	48	1,169
Northwest Shoals Community College	TNWC	18,486	-	1,103	202	1,033	793	1,105		946	2,844	1,599	(289)	1,310
Oneonta City Board of Education	TONE	9,911	-	592	96	688	425	593	-	940 49	2,844	857	(209)	860
Opelika City Board of Education	TOPK	37,669	-	2,248	859	3,107	1,615	2,252	-	43	3,884	3,256	222	3,478
Opp City Board of Education	TOPR	10,050	-	2,240	159	759	431	601	-	17	1,032	3,250	63	932
Organized Community Action Program Inc	TOCA	5,615	-	335	245	580	241	336	-	133	710	486	92	932 578
Oxford City Schools	TOXF	33,443	-	1,996	523	2,519	1,434	2,000	-	155	3,434	2,891	173	3,064
	TOZK	16,120	-	962	523	1,039	691	2,000	-	-	3,434	1,394	(405)	3,064 989
Ozark City Board of Education Pelham City Board of Education	TPLS	23,623	-	962 1,410	5,545	6,955	1,013	964 1.412	-	1,443 476	2,901	2,041	(405) 4,141	989 6,182
Pell City School System	TPEL	29,331	-	1,410	55	1,806	1,013	1,412	-	478	3,412	2,041	(99)	2,436
Perry County Board of Education	TPRY	11,647	-	695	55	695	499	696	-	1,394	2,589	1,006	(499)	2,430
Phenix City Board of Education	TPHC	49,811	-	2,973	- 1,233	4,206	2,136	2,978	-	868	2,589	4,306	(499) 256	4,562
Pickens County Board of Education	TPKS	20,350	-	1,215	1,233	4,200	872	1,217	-	507	2,5962	4,308	(254)	4,502
	TPMT	20,350 9,056	-	541	- 232	773	388	541	-	507	2,596	781	(254)	892
Piedmont City Schools	TPIK	9,056	-		232 170	1,266	388 787	1,098	-	30	1,006	1,588	26	892 1,614
Pike County Board of Education	TPRB	,	-	1,096					-	30				
Pike Road City Schools		6,860	-	409	3,467	3,876	294	410	-	-	704	593	1,265	1,858
Randolph County Board of Education	TRAN	17,244	-	1,029	404	1,433	739 195	1,031	-	269	2,039	1,491	30	1,521
Reid State Technical College	TEVN TROK	4,558	-	272	53	325		273	-	1,181	1,649	395	(318)	77
Roanoke City Schools		10,486	-	626	89	715	450	627	-	46	1,123	907	37	944
Russell County Board of Education	TRUS	26,176	-	1,562	613	2,175	1,122	1,565	-	-	2,687	2,262	293	2,555
Russellville City Board of Education	TRSV	20,879	-	1,246	854	2,100	895	1,248	-	-	2,143	1,804	309	2,113
Saraland Board of Education	TSAR	19,227	-	1,148	1,817	2,965	824	1,150	-	-	1,974	1,662	799	2,461
Satsuma City Schools	TSTM	8,721	-	520	365	885	374	521	-	59	954	754	153	907
School Superintendents of Alabama	TSAL	681	-	41	176	217	29	41	-	-	70	59	62	121
Scottsboro Board of Education	TSCO	20,536	-	1,226	186	1,412	880	1,228	-	840	2,948	1,774	(131)	1,643
Selma Public Schools	TSMA	27,016	-	1,612	501	2,113	1,158	1,615	-	1,764	4,537	2,335	(272)	2,063
Sheffield City Board of Education	TSHF TSBY	9,797 165.195	-	585 9.860	74	659	420 7.082	586 9.877	-	391	1,397	846	(74)	772 4.463
Shelby County Board of Education	TTVS		-	- /	1,258	11,118		9,877 1,518	-	17,246	34,205	14,280	(9,817)	,
Shelton State Community College		25,386	-	1,515		1,515	1,088	1	-	1,257	3,863	2,195	(399)	1,796
Snead State Community College	TSJC TSUC	10,314 18,788	-	616 1.121	350 323	966 1.444	442 805	617 1.123	-	5 699	1,064 2.627	890	96	986 1.437
Southern Union State Community College	TBSC	18,788 3.275	-	1,121 195	323	1,444 288	805 140	1,123 196	-	699 85	2,627 421	1,623 284	(186) (11)	1,437 273
Special Programming for Achievement Network	TSTC	-, -	-						-	65		284 5.492	(11)	-
St. Clair County Board of Education		63,547	-	3,793	1,493	5,286	2,724	3,799	-		6,523	- / -		6,117
State of AlabamaCommission on Higher Education	TCHE TDRS	3,309	-	197	185	382	142	198	-	3	343	286	96	382
State of AlabamaDepartment of Rehab Services	TPSE	56,115	-	3,349	1,034	4,383	2,406	3,355	-	2,047	7,808	4,851	14	4,865
State of AlabamaDepartment of Post-Secondary Ed		8,918	-	532	1,748	2,280	382	533	-	191	1,106	771	346	1,117
State of AlabamaDepartment of Youth Services	TDYS	26,006	-	1,552	-	1,552	1,115	1,555	-	2,434	5,104	2,248	(1,060)	1,188
State of AlabamaHigh School of Math & Science	THMS	3,999	-	239	272	511	171	239	-	119	529	345	81	426
State of AlabamaPEEHIP	TPHP	3,112	-	186	229	415	133	186	-	17	336	269	96	365
State of AlabamaState Board of Education	TSBE	69,226	-	4,132	1,947	6,079	2,968	4,139	-	4,540	11,647	5,984	103	6,087
State of AlabamaTeachers Retirement System	TTRS	19,504	-	1,164	1,678	2,842	836	1,166	-	104	2,106	1,685	687	2,372



			D	eferred Outflo	ws of Resource	<u>s</u>		<u>Deferre</u>	d Inflows of R	esources		<u>P</u>	ension Expense	
Employer	Employer Code	2017 Net Pension Liability	Differences Between Expected and Actual Experience		Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions	Total Deferred Outflows of	Differences Between Expected and Actual Experience	Earnings on Pension Plan	Change of Assumptions	Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions	Total Deferred Inflows of	Proportionate Share of Plan Pension Expense	Deferred Amounts from Changes in Proportion and Differences Between Employer Contributions and Proportionate Share of Contributions	Total Employo Pensiol Expens
Sumter County Board of Education	TSUM	14.263		851	180	1,031	612	853		839	2,304	1,233	(317)	9'
Sylacauga City Board of Education	TSYL	14,203	-	1.056	155	1,031	758	1,058	-	703	2,304	1,233	(115)	
	TTAL	17,007	-	1,030		2.159	739	1,038	-	1.009	2,519	1,528	· · ·	1,4
Falladega City Board of Education	TTDG	,	-		1,130	,		,	-	/	, -	,	(141)	
Falladega County Board of Education		57,012	-	3,403	121	3,524	2,444	3,409	-	602	6,455	4,928	(128)	4,8
Fallapoosa County Board of Education	TTPS	21,451	-	1,280	395	1,675	920	1,283	-	802	3,005	1,856	(142)	1,7
allassee City Board of Education	TTAS	13,636	-	814	168	982	585	815	-	179	1,579	1,179	52	
arrant Board of Education	TTAR	9,728	-	581	152	733	417	582	-	152	1,151	841	(13)	
homasville City Schools	TTOM	10,755	-	642	23	665	461	643	-	41	1,145	930	7	9
Froy City Board of Education	TTRY	15,499	-	925	-	925	664	927	-	684	2,275	1,339	(306)	1,0
Froy University	TTST	130,798	-	7,807	369	8,176	5,608	7,820	-	10,428	23,856	11,307	(2,729)	8,5
Frussville City Board of Education	TTCB	37,054	-	2,212	2,276	4,488	1,589	2,215	-	-	3,804	3,203	695	
Fuscaloosa City Schools	TTUS	93,324	-	5,570	4,498	10,068	4,001	5,580	-	748	10,329	8,068	982	
Fuscaloosa County Schools	TTLS	130,288	-	7,776	4,887	12,663	5,586	7,790	-	-	13,376	11,263	1,848	- /
uscumbia City Board of Education	TTSC	11,504	-	687	115	802	493	688	-	74	1,255	995	33	
University Chancellor's Office	TUCO	15,575	-	930	1,445	2,375	668	931	-	1,010	2,609	1,345	209	1,5
University of Alabama	TUVA	565,233	-	33,736	32,815	66,551	24,233	33,795	-	602	58,630	48,860	13,358	62,2
Jniversity of AlabamaBirmingham	TUMC	1,161,162	-	69,307	-	69,307	49,787	69,426	-	27,849	147,062	100,395	(14,196)	86,1
Jniversity of AlabamaHuntsville	TUAH	147.428	-	8,799	1,921	10,720	6,321	8,815	-	5,715	20,851	12,745	(605)	12,1
Iniversity of Montevallo	TALC	41,126	-	2,455	2,382	4,837	1,763	2,459	-	-	4,222	3,554	929	
Jniversity of North Alabama	TFST	63,227	-	3,774	1,985	5,759	2,711	3.780	-	470	6,961	5,465	630	6,0
Iniversity of South Alabama	TUSA	296,654	-	17,706	-	17,706	12,718	17,737	-	21,769	52,224	25,644	(8,852)	16,7
Iniversity of West Alabama	TLVC	35,603	-	2,125	1.789	3,914	1.526	2,129	-	21,100	3.655	3,077	795	
/estavia Hills Board of Education	TVES	65,261	-	3.895	2,043	5,938	2,798	3.902	-	-	6,700	5,642	832	
Valker County Board of Education	TWLK	60,231	_	3.595	48	3.643	2,582	3.601	_	1.121	7,304	5,205	(388)	4,8
Vallace Community CollegeDothan	TGWD	25,239	_	1,506	540	2,046	1,082	1,509	_	1,121	2,591	2,182	250	
Vallace State CollegeHanceville	TCUT	26,140	-	1,560	516	2,040	1,002	1,509	_	37	2,391	2,102	115	
Vashington County Board of Education	TWSH	20,140	-	1,300	510	1.277	917	1,503	-	991	3.187	1.850	(428)	2,3
Vilcox County Board of Education	TWIL	14,698	-	877	-	877	630	879	-	657	2,166	1,850	(428)	
Vinfield City Board of Education	TWFD	9.877	-	589	- 358	877 947	423	591	-	100	2,100	855	(214)	
Vinitie of City Board of Education	TWFD	9,877	-	589 1.197	358 87	947 1.284	423 860	1.199	-	- 1.095	3,154	1.733	(244)	1.4
													<u>,,</u>	
Total for All Entities		<u>\$ 9,828,479</u>	<u>\$</u> -	\$ 586,611	\$ 203,214	\$ 789,825	<u>\$ 421,370</u>	\$ 587,643	\$	\$ 203,214	<u>\$1,212,227</u>	\$ 849,606	\$	\$ 849,6



SCHEDULE C

Teachers' Retirement System of Alabama Schedule of Discount Rate Sensitivity, Amortization of Deferred Outflows/(Inflows) and Employer Contribution As of and for the Fiscal Year Ending September 30, 2018 (Dollar Amounts in Thousands)

				Projected Deferred Outflows/(Inflows) To Be Recognized in Pension Expense for the Fiscal Year Ended September 30			nse	2017 Actual		
Employer	Employer Code	NPL @ Minus 1% (6.75%)	NPL @ Plus 1% (8.75%)	2019	2020	2021	2022	2023	Thereafter	Employer Contributions
Accel Academy Charter School	TACL	\$ 1,905	\$ 938	\$ 243	\$ 267	\$ 227	\$ 229	\$ 51	\$0	\$ 12
Alabama A&M University	TAMI	97,536	48,023	(726)	528	(1,483)	(1,401)	(82)	0	5,632
Alabama Association of School Boards	TAAB	2,256	1,111	28	53	(23)	(31)	1	0	130
Alabama Education Association	TAEA	11,997	5,907	(360)	(277)	(482)	(328)	(27)	0	693
Alabama Fire College	TAFC	5,598	2,756	(9)	87	(17)	` 6	Ì16	0	323
Alabama High School Athletic Association	TAAA	2,415	1,189	43	60	(11)	(23)	0	0	139
Alabama Higher Education Partnership	TAHP	430	212	(15)	(3)	(14)	(18)	0	0	25
Alabama Industrial Development Training	TIDT	20.432	10.060	`87́	288	(199)	(259)	(17)	0	1,180
Alabama Institute for Deaf and Blind	TAID	75,678	37,261	(46)	785	(934)	(819)	`(4)́	0	4,370
Alabama Retired State Employees Association	TREA	848	417	(5)	7	(20)	(19)	Ó	0	49
Alabama School of Fine Arts	THFA	8,892	4,378	25	140	(92)	(124)	(6)	0	513
Alabama State Employees Association	TASE	1,714	844	(43)	(21)	(62)	(66)	(10)	0	99
Alabama State University	TMST	91,147	44,877	(2,698)	(1,915)	(3,426)	(2,403)	(223)	0	5.263
Alabama Technology Network	TATN	9,189	4,524	(297)	(126)	(247)	(191)	(14)	õ	531
Alabama Vocational Association	TAVA	91	45	(3)	(1)	(2)	(1)	(,	õ	5
Alabaster City School System	TALR	68,530	33.741	(943)	1.014	(415)	(503)	35	Ő	3.957
Albertville City Board of Education	TALB	49,780	24,510	708	1,133	(268)	(371)	21	Ő	2.874
Alexander City Board of Education	TALX	32,491	15,997	(89)	299	(399)	(404)	(13)	Ő	1,876
Andalusia City Board of Education	TADL	16,453	8,101	(157)	32	(295)	(256)	(13)	0	950
Anniston Board of Education	TADL	24,383	12,005	(137)	52	(551)	(444)	(14)	0	1,408
Arab City Board of Education	TARB	24,383 26,850	13,220	(277) 25	255	(481)	(444)	(32)	0	1,408
Athens City Board of Education	TATH	44.348	21.835	516	985	(481)	(400)	(32)	0	2,561
Athens State University	TATC	35.071	17,267	(234)	352	(279)	(299)	10	0	2,001
Attalla City Schools	TATE	17.746	8.738	(234)	116	(314)	(310)	(27)	0	1.025
	TAUB			(34)	1.546				0	
Auburn City Board of Education	TADB	89,378	44,006		1,546	(786)	(968)	(25)	0	5,161
Auburn University	TATG	854,988	420,963	6,194 (537)	562	(5,894)	(7,966)	(5) (85)	0	49,368
Autauga County Board of Education		88,260	43,456			(1,288)	(1,291)		-	5,096
Baldwin County Board of Education	TBLD	323,279	159,170	2,335	5,148	(3,679)	(3,952)	(140)	0	18,667
Barbour County Schools	TBAR	10,080	4,963	(315)	(159)	(271)	(183)	(8)	0	582
Bessemer Board of Education	TBSM	41,398	20,383	(703)	(124)	(908)	(726)	(52)	0	2,390
Bevill State Community College	TWCT	37,054	18,244	(131)	418	(240)	(151)	49	0	2,140
Bibb County Board of Education	TBIB	35,003	17,234	(241)	272	(538)	(535)	(32)	0	2,021
Birmingham City Schools	TBMH	274,673	135,239	(3,469)	782	(4,782)	(3,955)	(173)	0	15,860
Bishop State Community College	TMJC	24,590	12,107	(1,309)	(926)	(1,278)	(945)	(113)	0	1,420
Blount County Board of Education	TBLT	77,328	38,073	(625)	319	(1,331)	(1,144)	(59)	0	4,465
Boaz City Board of Education	TBOZ	24,208	11,919	(40)	246	(283)	(296)	(11)	0	1,398
Brewton City Board of Education	TBWT	12,550	6,179	(108)	70	(168)	(151)	(7)	0	725
Bullock County Board of Education	TBLK	16,629	8,188	(245)	(23)	(357)	(283)	(16)	0	960
Butler County Board of Education	TBLR	32,275	15,891	(524)	(4)	(753)	(667)	(59)	0	1,864
Calhoun Community College	TDEC	47,761	23,516	143	800	(368)	(457)	(3)	0	2,758
Calhoun County Board of Education	TCAL	95,495	47,018	(547)	703	(1,488)	(1,463)	(95)	0	5,514
CAPNA, Inc.	TNCA	24,545	12,085	1,141	885	(194)	(293)	(10)	0	1,417
Central Alabama Community College	TACC	16,205	7,979	(309)	26	(313)	(244)	(8)	0	936
Chambers County Board of Education	TCHB	39,504	19,450	(210)	211	(612)	(573)	(33)	0	2,281
Chattahoochee Valley Community College	TCVS	11,209	5,519	(143)	8	(227)	(212)	(20)	0	647
Cherokee County Board of Education	TCHK	43,766	21,549	(207)	332	(573)	(565)	(23)	0	2,527
Chickasaw City School System	TCKW	10,466	5,153	352	375	97	(3)	12	0	604
Chilton County Board of Education	TCHT	73,600	36,238	(127)	795	(803)	(759)	0	0	4,250
Choctaw County Board of Education	TCHW	16.415	8.082	(309)	(54)	(351)	(299)	(21)	õ	948
Clarke County Board of Education	TCLK	29,840	14,692	(766)	(368)	(823)	(623)	(52)	õ	1,723



				Projected Deferred Outflows/(Inflows) To Be Recognized in Pension Expense for the Fiscal Year Ended September 30				nse	2017 Actual	
Employer	Employer Code	NPL @ Minus 1% (6.75%)	NPL @ Plus 1% (8.75%)	2019	2020	2021	2022	2023	Thereafter	Employer Contributions
Clay County Board of Education	TCLY	19,811	9,754	(198)	29	(405)	(330)	(22)	0	1,144
Cleburne County Board of Education	TCLB	26,902	13,245	(173)	52	(599)	(543)	(51)	0	1,553
Coastal Alabama Community College	TBMC	50,247	24,740	(333)	403	(597)	(521)	1	0	2,901
Coffee County Board of Education	TCOF	20,607	10,146	104	342	(174)	(229)	(6)	0	1,190
Colbert County Board of Education	TCOL	34,297	16,887	(359)	116	(524)	(440)	(16)	0	1,980
Community Svc Programs of West Alabama	TCSP	9,591	4,722	(346)	(156)	(311)	(267)	(31)	0	554
Conecuh County Board of Education	TCON	19,872	9,784	(285)	(13)	(377)	(263)	(5)	0	1,147
Coosa County Board of Education Council for Leaders in Alabama Schools	TCSA TACA	11,034 1,163	5,433 573	(384) (4)	(157) 9	(302) (15)	(228) (16)	(18) (2)	0	637 67
Covington County Board of Education	TCOV	32.921	16,209	(135)	283	(15)	(16)	(22)	0	1.901
Crenshaw County Board of Education	TCRW	23,893	11,764	(133)	203	(437)	(455)	(22)	0	1,380
Cullman City Board of Education	TCMN	32.844	16,171	(100)	278	(495)	(448)	(21)	0	1,896
Cullman County Commission on Education	TCUL	100.759	49.610	(409)	702	(1,631)	(1,466)	(78)	ő	5.818
Dale County Board of Education	TDAL	30,739	15,135	12	346	(352)	(322)	1	0	1,775
Daleville City Board of Education	TDLV	10,797	5,316	(279)	(153)	(347)	(263)	(23)	0	623
Dallas County Board of Education	TDLS	38,443	18,928	(684)	(138)	(839)	(649)	(39)	0	2,220
Dauphin Island Sea Lab	TMES	9,843	4,847	66	172	3	(37)	10	0	568
Decatur Board of Education	TDTR	102,836	50,633	(1,335)	52	(1,724)	(1,456)	(72)	0	5,938
Dekalb County Board of Education	TDKB	91,476	45,039	(78)	965	(1,141)	(1,126)	(37)	0	5,282
Demopolis City Schools	TDPL	22,292	10,976	(136)	112	(380)	(338)	(19)	0	1,287
Developing Alabama Youth Foundation	TDAY	1,052	518	23	11	(26)	(17)	(1)	0	61
Dothan Board of Education Elba City Board of Education	TDTN TELB	96,336 7,796	47,432 3,838	(397) (154)	645 (20)	(1,715) (152)	(1,596) (122)	(111) (5)	0	5,563 450
Elmore County Board of Education	TELB	105,665	52,025	(154)	666	(1,535)	(1,399)	(62)	0	6,101
Enterprise Board of Education	TENP	68,705	33,828	135	838	(744)	(1,533)	(02)	0	3,967
Enterprise Ozark Community College	TEPC	16,188	7,970	(833)	(428)	(344)	(147)	9	ő	935
Escambia County Board of Education	TESC	48,944	24,098	(397)	223	(781)	(691)	(35)	0	2,826
Etowah County Board of Ed	TETH	87,430	43,047	(819)	271	(1,519)	(1,339)	(81)	0	5,048
Etowah County Community Service Program, Inc.	TECA	286	141	(27)	(19)	(9)	(4)	(1)	0	16
Eufaula City Board of Education	TEFL	29,534	14,542	(117)	218	(389)	(378)	(18)	0	1,705
Fairfield Board of Education	TFRF	18,980	9,345	(157)	96	(369)	(359)	(33)	0	1,096
Fayette County Board of Education	TFAY	24,119	11,875	(403)	(117)	(544)	(403)	(19)	0	1,393
Florence City Board of Education	TFLO TFTP	51,774	25,491	(540)	234 335	(872)	(856) (409)	(64)	0	2,989
Fort Payne City Board of Education	TFRK	30,452	14,993	(3) 199	335 621	(378) (290)	(409)	(22) 16	0	1,758 2,229
Franklin County Board of Education Gadsden City Board of Education	TGDS	38,602 57,793	19,006 28,455	(312)	312	(1,001)	(311) (979)	(78)	0	2,229
Gadsden State Community College	TGDC	45,601	20,455	(1,246)	(467)	(1,089)	(811)	(78)	0	2,633
Gardendale Board of Education	TGBE	-3,001	426	104	33	(1,003)	(17)	(1)	0	2,055
Geneva City Board of Education	TGCB	13,788	6.789	23	171	(133)	(155)	(7)	õ	796
Geneva County Board of Education	TGEN	27,094	13,340	84	338	(351)	(331)	(10)	0	1,564
George Corley Wallace State Community College	TGWS	17,221	8,479	(269)	(95)	(351)	(242)	(9)	0	994
Greene County Board of Education	TGRN	14,590	7,183	(205)	11	(209)	(193)	(9)	0	842
Guntersville City Board of Education	TGUN	20,707	10,195	(163)	79	(425)	(410)	(40)	0	1,196
H. Councill Trenholm State Technical College	TMGT	16,557	8,152	(456)	(156)	(370)	(184)	8	0	956
Hale County Board of Education	THAL	26,863	13,226	(457)	(126)	(673)	(526)	(36)	0	1,551
Haleyville City Board of Education	THAV	18,056	8,890	(124)	111	(270)	(247)	(14)	0	1,043
Hartselle City Board of Education Henry County Board of Education	THCS THNY	33,100 25,152	16,297 12,384	(186) (226)	137 87	(619) (434)	(546) (379)	(39) (22)	0	1,911 1,452
Homewood City Board of Education	THOM	55,994	27,569	(527)	82	(434)	(687)	(22)	0	3,233
Hoover City Board of Education	THOV	176,816	87,057	(1,346)	650	(3,136)	(3,012)	(243)	0	10,210
Houston County Board of Education	THST	61,009	30,039	(172)	539	(839)	(807)	(37)	ő	3,523
Huntsville City Schools	THTS	250,076	123,128	(2,139)	1,079	(3,907)	(3,313)	(122)	0	14,440
J. F. Drake State Technical College	THVS	9,373	4,615	(168)	(78)	(307)	(243)	(25)	Ő	541
J. F. Ingram State Technical College	TDRT	15,504	7,634	(260)	(153)	(378)	(305)	(25)	0	895
Jackson County Board of Education	TJKS	63,579	31,304	(502)	278	(1,040)	(910)	(45)	0	3,671
Jacksonville City Board of Education	TJCS	15,679	7,720	(98)	85	(264)	(226)	(14)	0	905
Jacksonville State University	TJST	100,958	49,708	(459)	814	(1,388)	(1,431)	(87)	0	5,829
Jasper City Board of Education	TJSP	30,565	15,049	(410)	0	(664)	(538)	(32)	0	1,765
Jefferson County American Federation of Teachers	TJFT	383	189	(1)	(7)	(19)	(5)	3	0	22
Jefferson County Board of Education	TJEF	389,538	191,794	(3,181)	1,697	(6,730)	(5,735)	(280)	0	22,492
Jefferson State Community College	TJJC	45,201	22,255	(266)	382	(550)	(537)	(17)	0	2,610



				Projected Deferred Outflows/(Inflows) To Be Recognized in Pension Expense for the Fiscal Year Ended September 30			ense	2017 Actual		
Employer	Employer Code	NPL @ Minus 1% (6.75%)	NPL @ Plus 1% (8.75%)	2019	2020	2021	2022	2023	Thereafter	Employer Contributions
Lamar County Schools	TLAM	23,164	11,405	(143)	135	(384)	(346)	(21)	0	1,338
Lanett City Schools	TLNT	9,811	4,831	25	110	(145)	(160)	(14)	0	566
Lauderdale County Board of Ed	TLAU	83,713	41,217	(577)	438	(1,393)	(1,246)	(69)	0	4,834
Law Enforcement AcademyBaldwin County	TSWP	280	138	23	13	0	(4)	1	0	16
Law Enforcement AcademyTuscaloosa	TLET	228	112	(41)	(15)	(4)	(3)	3	0	13
Lawrence County Board of Education	TLAW	50,872	25,047	(820)	(211)	(1,091)	(828)	(48)	0	2,937
Lawson State College Lee County Board of Education	TLSC TLEE	29,415 105,596	14,483 51,991	(299) 27	256 1,100	(286) (1,570)	(323) (1,486)	(9) (71)	0	1,698 6,097
Leeds Board of Education, City of	TLDS	20.231	9.961	265	411	(1,570)	(1,400)	(71)	0	1,168
Limestone County Board of Education	TLST	94,965	46,757	203	1,233	(1,382)	(1,425)	(86)	0	5,483
Linden City Board of Education	TLND	5,881	2,895	(21)	42	(1,302)	(1,423)	(00)	0	340
Lowndes County Board of Education	TLDN	21.029	10,354	(938)	(455)	(806)	(576)	(55)	0	1,214
Lurleen B. Wallace Community College	TLUR	16,197	7,975	(165)	75	(286)	(206)	0	0	935
Macon County Board of Education	TMAC	24,794	12,208	(602)	(217)	(681)	(432)	(16)	0	1,432
Madison City Board of Education	TMDC	106,905	52,636	634	1,846	(836)	(1,141)	(37)	0	6,173
Madison County Board of Education	TMAD	204,088	100,485	(1,416)	1,139	(3,273)	(3,038)	(181)	0	11,784
Marengo County Board of Education	TMNG	12,446	6,128	(502)	(212)	(284)	(217)	(17)	0	719
Marion County Board of Education	TMAR	34,817	17,142	(355)	174	(529)	(452)	(12)	0	2,010
Marion Military Institute	TMMI	11,485	5,655	200	310	(36)	(68)	11	0	663
Marshall County Board of Education	TMSH TMID	60,065	29,574	(595) (220)	213	(997)	(831)	(37)	0	3,468 689
Midfield City Board of Education Mobile School Commissioners	TMOB	11,934 584,734	5,876 287,901	(220) (6,534)	(21) 1,062	(254)	(214) (9,169)	(18) (528)	0	33,763
Monroe County Board of Education	TMOB	36,763	18,101	(6,534) (412)	1,062	(10,955) (667)	(9,169) (566)	(328)	0	2,123
Montgomery City and County Board of Education	TMTG	316,095	155,633	(2,310)	1,834	(5,093)	(4,554)	(32)	0	18,252
Morgan County Board of Education	TMOR	83,731	41,226	(469)	498	(1,368)	(1,177)	(50)	Ő	4,835
Mountain Brook City Board of Education	TMTB	67,965	33,463	(259)	539	(1,075)	(984)	(51)	Ő	3,924
Muscle Shoals City Schools	TMSC	33,493	16,491	262	592	(248)	(238)	22	0	1,934
Northeast Alabama Community College	TNEC	17,869	8,798	(72)	121	(233)	(220)	(11)	0	1,032
Northwest Shoals Community College	TNWC	25,497	12,554	(460)	(155)	(615)	(461)	(29)	0	1,472
Oneonta City Board of Education	TONE	13,670	6,731	(89)	97	(202)	(181)	(4)	0	789
Opelika City Board of Education	TOPK	51,957	25,582	(126)	533	(586)	(585)	(13)	0	3,000
Opp City Board of Education	TOPP	13,862	6,825	(30)	120	(185)	(170)	(8)	0	800
Organized Community Action Program Inc	TOCA TOXF	7,744 46,129	3,813	40 (136)	118 404	(132) (602)	(142) (563)	(14) (18)	0	447 2,664
Oxford City Schools Ozark City Board of Education	TOZK	46,129 22.235	22,712 10.948	(136) (554)	(314)	(602)	(503)	(18)	0	2,004
Pelham City Board of Education	TPLS	22,235 32,584	16,043	(554) 3.923	(314)	(641)	(503)	(47)	0	1,284
Pell City School System	TPEL	40,457	19,920	(370)	1,549	(728)	(503)	(30)	0	2,336
Perry County Board of Education	TPRY	16.064	7.909	(607)	(345)	(539)	(375)	(30)	0	928
Phenix City Board of Education	TPHC	68,706	33,828	(204)	528	(1,152)	(922)	(26)	Ő	3,967
Pickens County Board of Education	TPKS	28,069	13,820	(442)	19	(489)	(439)	(30)	0	1,621
Piedmont City Schools	TPMT	12,491	6,150	27	140	(194)	(193)	(13)	0	721
Pike County Board of Education	TPIK	25,331	12,472	(144)	188	(342)	(337)	(14)	0	1,463
Pike Road City Schools	TPRB	9,462	4,659	1,202	1,285	421	207	57	0	546
Randolph County Board of Education	TRAN	23,785	11,711	(129)	202	(300)	(351)	(28)	0	1,373
Reid State Technical College	TEVN	6,287	3,095	(360)	(306)	(386)	(245)	(27)	0	363
Roanoke City Schools	TROK	14,464	7,121	(60)	102	(222)	(215)	(13)	0	835
Russell County Board of Education	TRUS	36,105	17,777	51	423	(474) (281)	(486) (294)	(26)	0	2,085
Russellville City Board of Education Saraland Board of Education	TRSV TSAR	28,799 26,520	14,180 13,057	116 621	419 684	(281) (125)	(294) (198)	(3) 9	0	1,663 1,531
Satsuma City Schools	TSTM	12,029	5,922	72	131	(123)	(130)	(2)	0	695
School Superintendents of Alabama	TSAL	939	462	56	66	29	(130)	(2)	0	54
Scottsboro Board of Education	TSCO	28,325	13,946	(321)	16	(650)	(540)	(41)	0	1,636
Selma Public Schools	TSMA	37,264	18,347	(522)	(22)	(983)	(824)	(73)	õ	2,152
Sheffield City Board of Education	TSHF	13,514	6,654	(165)	15	(291)	(273)	(24)	0 0	780
Shelby County Board of Education	TSBY	227,856	112,188	(11,344)	(4,031)	(4,481)	(3,125)	(106)	Ő	13,157
Shelton State Community College	TTVS	35,015	17,240	(634)	(124)	(832)	(700)	(58)	0	2,022
Snead State Community College	TSJC	14,227	7,005	1	182	(134)	(146)	(1)	0	821
Southern Union State Community College	TSUC	25,915	12,759	(360)	25	(502)	(343)	(3)	0	1,496
Special Programming for Achievement Network	TBSC	4,517	2,224	(41)	42	(71)	(63)	0	0	261
St. Clair County Board of Education	TSTC	87,652	43,157	38	912	(1,090)	(1,062)	(35)	0	5,061
State of AlabamaCommission on Higher Education	TCHE	4,564	2,247	65	75	(45)	(52)	(4)	0	264



				Projected Deferred Outflows/(Inflows) To Be Recognized in Pension Expense for the Fiscal Year Ended September 30				nse	2017 Actual	
Employer	Employer Code	NPL @ Minus 1% (6.75%)	NPL @ Plus 1% (8.75%)	2019	2020	2021	2022	2023	Thereafter	Employer Contributions
State of AlabamaDepartment of Rehab Services	TDRS	77,400	38,109	(505)	(90)	(1,509)	(1,240)	(81)	0	4,469
State of AlabamaDepartment of Post-Secondary Ed	TPSE	12,301	6,056	264	517	234	122	37	0	710
State of AlabamaDepartment of Youth Services	TDYS	35,871	17,662	(1,300)	(689)	(882)	(634)	(47)	0	2,071
State of AlabamaHigh School of Math & Science	THMS	5,516	2,716	44	50	(55)	(55)	(2)	0	319
State of AlabamaPEEHIP	TPHP	4,293	2,114	67	113	(39)	(59)	(3)	0	248
State of AlabamaState Board of Education	TSBE	95,485	47,013	(537)	(252)	(2,340)	(2,195)	(244)	0	5,513
State of AlabamaTeachers Retirement System	TTRS	26,903	13,246	507	565	(88)	(238)	(10)	0	1,553
Sumter County Board of Education	TSUM	19,674	9,687	(449)	(80)	(361)	(350)	(33)	0	1,136
Sylacauga City Board of Education	TSYL	24,397	12,012	(278)	9	(560)	(449)	(30)	0	1,409
Talladega City Board of Education	TTAL	23,777	11,707	(300)	25	(121)	(213)	(11)	0	1,373
Talladega County Board of Education	TTDG	78,637	38,718	(655)	353	(1,309)	(1,237)	(83)	0	4,541
Tallapoosa County Board of Education	TTPS	29,588	14,568	(340)	(13)	(574)	(397)	(6)	0	1,708
Tallassee City Board of Education	TTAS	18,809	9,261	(74)	126	(328)	(303)	(18)	0	1,086
Tarrant Board of Education	TTAR	13,418	6,606	(103)	113	(210)	(207)	(11)	0	775
Thomasville City Schools	TTOM	14,834	7,304	(92)	81	(236)	(221)	(12)	0	857
Troy City Board of Education	TTRY	21,377	10,525	(449)	(121)	(410)	(344)	(26)	0	1,234
Troy University	TTST	180,412	88,828	(3,938)	(1,334)	(5,154)	(4,711)	(543)	0	10,417
Trussville City Board of Education	TTCB	51,110	25,164	352) 919	(268)	(346)	27	0	2,951
Tuscaloosa City Schools	TTUS	128,724	63,379	119	1,551	(993)	(990)	52	0	7,433
Tuscaloosa County Schools	TTLS	179,708	88,481	644	2,484	(1,898)	(1,921)	(22)	0	10,377
Tuscumbia City Board of Education	TTSC	15,867	7,813	(73)	114	(255)	(227)	(12)	0	916
University Chancellor's Office	TUCO	21,483	10,577	65	394	(204)	(429)	(60)	0	1,240
University of Alabama	TUVA	779,637	383,863	8,133	15,821	(5,817)	(9,609)	(607)	0	45,017
University of AlabamaBirmingham	TUMC	1,601,613	788,572	(24,932)	213	(27,638)	(23,987)	(1,411)	0	92,486
University of AlabamaHuntsville	TUAH	203,351	100,122	(1,968)	(444)	(4,052)	(3,418)	(249)	0	11,742
University of Montevallo	TALC	56,726	27,930	549	1,108	(409)	(614)	(19)	0	3,275
University of North Alabama	TFST	87,210	42,939	46	1,026	(1,190)	(1,061)	(23)	0	5,036
University of South Alabama	TUSA	409,181	201,465	(11,594)	(4,295)	(9,985)	(7,990)	(654)	0	23,627
University of West Alabama	TLVC	49,109	24,179	466	754	(449)	(506)	(6)	0	2,836
Vestavia Hills Board of Education	TVES	90,016	44,320	229	1,073	(1,034)	(1,012)	(18)	0	5,198
Walker County Board of Education	TWLK	83,077	40,904	(945)	116	(1,443)	(1,304)	(85)	0	4,797
Wallace Community CollegeDothan	TGWD	34,813	17,141	17	409	(480)	(469)	(22)	0	2,010
Wallace State CollegeHanceville	TCUT	36,055	17,752	(127)	343	(432)	(418)	(11)	0	2,082
Washington County Board of Education	TWSH	29,513	14,531	(626)	(158)	(613)	(483)	(30)	0	1,704
Wilcox County Board of Education	TWIL	20,273	9,982	(350)	(91)	(451)	(367)	(30)	0	1,171
Winfield City Board of Education	TWFD	13,623	6,707	3 5	177	(133)	(145)	`(1)	0	787
Winston Education Board	TWIN	27,668	13,623	(429)	(129)	(705)	(559)	(48)	0	1,598
Total for All Entities		<u>\$ 13,556,622</u>	<u>\$ 6,674,759</u>	<u>\$ (90,853)</u>	<u>\$ 79,434</u>	<u>\$ (208,781)</u>	<u>\$ (192,160)</u>	<u>\$ (10,042)</u>	<u>\$0</u>	<u>\$ 782,681</u>



SCHEDULE D

SUMMARY OF MAIN PLAN PROVISIONS AS INTERPRETED FOR ACCOUNTING AND REPORTING VALUATION PURPOSES

The Teachers' Retirement System of Alabama was established on September 15, 1939, and went into effect September 30, 1941. The valuation took into account amendments to the System through the valuation date. There is a new tier (Tier II) of benefits for all members initially joining the System on and after January 1, 2013. The following summary describes the main benefit and contribution provisions of the System as interpreted for the valuation.

1 - DEFINITIONS

Average Final Compensation - the average compensation of a member for:

Tier I – the 3 highest years in the last 10 years of Creditable Service

Tier II - the 5 highest years in the last 10 years of Creditable Service

Membership Service – all service rendered while a member of the retirement system and for which contributions are made.

Creditable Service – the sum of membership service, prior service, and any other service established as creditable in accordance with the provisions of the retirement law.

Annuity – payments for life derived from accumulated contributions of a member.

Pension – payments for life derived from employer contributions.

Retirement Allowance – the sum of the annuity and pension.

2 - BENEFITS

Service Retirement Allowance

Condition for Allowance

Tier I

Tier II

Amount of Allowance

Tier I

A retirement allowance is payable upon the request of any member who has completed 25 years of creditable service or who has attained age 60 and completed at least 10 years of creditable service.

A retirement allowance is payable upon the request of any member who has attained age 62 and completed at least 10 years of creditable service (age 56 with 10 years of creditable service for a full-time certified firefighter, police officer or correctional officer).

Upon service retirement a member receives a retirement allowance equal to 2.0125% of the member's average final compensation multiplied by the number of years of creditable service. At retirement, a member receives one additional year of creditable service in



	determining the retirement allowance for each five years of service as a full-time certified firefighter, police officer or correctional officer.
Tier II	Upon service retirement a member receives a retirement allowance equal to 1.65% of the member's average final compensation multiplied by the number of years of creditable service. The benefit is capped at 80% of the member's average final compensation.
Both	The member may elect to receive a reduced retirement allowance in order to provide an allowance to a designated beneficiary after the member's death (see "Special Privileges at Retirement" below).
Disability Retirement Allowance	
Condition for Allowance	A disability retirement allowance may be granted to a member who has 10 years or more of creditable service who becomes totally and permanently incapacitated for duty before reaching eligibility for a service retirement allowance.
Amount of Allowance	
Tier I	On retirement for disability, a member receives a retirement allowance equal to 2.0125% of the member's average final compensation multiplied by the number of years of creditable service. At retirement, a member receives one additional year of creditable service in determining the retirement allowance for each five years of service as a full-time certified firefighter, police officer or correctional officer.
Tier II	Upon disability retirement a member receives a retirement allowance equal to 1.65% of the member's average final compensation multiplied by the number of years of creditable service. The benefit is capped at 80% of the member's average final compensation.
Both	The member may elect to receive a reduced retirement allowance in order to provide an allowance to a designated beneficiary after the member's death (see "Special Privileges at Retirement" below).
Benefits Payable on	
Separation from Service	Any member who withdraws from service is entitled to receive his or her contributions with allowable interest. A member who has completed 10 years of creditable service may, after separation from service, continue in the membership of the System and file for service retirement after reaching age 60 (age 62 for Tier II members).
Benefits Payable upon Death in Active Service	In the event of the death of a member eligible for service retirement, the designated beneficiary may elect (1) to exercise Option 3 defined below under "Special Privileges at Retirement" or (2) to receive a return of member contributions and total earned interest plus a death benefit payable from the pre-retirement death benefit fund equal to the salary on which the member made retirement contributions for the previous scholastic year (July 1-June 30).*



In the event of the death of a member with more than one year of service who is not eligible to retire, the designated beneficiary shall receive the return of member contributions and total earned interest. Also, the designated beneficiary shall receive an additional death benefit payable from the pre-retirement death benefit fund equal to the salary on which retirement contributions were made for the previous scholastic year (July 1-June 30).*

In the event of a job-related death of a member with less than one year of service, the designated beneficiary shall receive the return of member contributions and total earned interest plus a death benefit payable from the pre-retirement death benefit fund equal to the annual earnable compensation of the member at the time of death.*

In the event of the death of a member with less than one year of service that is not job-related, the designated beneficiary shall receive the return of member contributions and total earned interest plus a matching death benefit which is limited to a \$5,000 maximum.

*However, if the death occurred more than 180 calendar days after the member's last day in pay status, or if the deceased had applied for a refund of contributions or terminated employment, the lump sum will be the same as if the member had less than one year of service and the death was not job-related.

In lieu of the full retirement allowance, any member may, at retirement, elect to receive a reduced retirement allowance equal in value to the full allowance, with the provision that:

Option 1 - If the member dies before annuity payments have equaled the present value of the annuity at the date of retirement, the balance is paid to a designated beneficiary or to his estate, or

Option 2 - After the member's death, the member's allowance is continued throughout the life of the designated beneficiary, or

Option 3 - After the member's death, one-half of the member's allowance is continued throughout the life of the designated beneficiary, or

Option 4 - Some other benefit is paid either to the member or to such other person as the member shall designate provided such benefit, together with the reduced retirement allowance, is of equivalent actuarial value to his retirement allowance and is approved by the Board of Control.

Prior to March 25, 2011, a member may elect to participate in the Deferred Retirement Option Plan (DROP) upon completion of at least 25 years of creditable service (excluding sick leave) and attainment of at least 55 years of age. Under the DROP, the member may defer receipt of a retirement allowance and continue employment for a period not to exceed five years, nor to be less than three years. At the end of

Special Privileges at Retirement

Deferred Retirement Option Plan (DROP)



	this period, the member will withdraw from active service and receive the retirement benefit calculated at the time of enrollment in the DROP, and also receive a payment for the deferred retirement benefits, employee contributions while participating in the DROP and interest earned on DROP deposits.
	The effect of Act 2011-27 is that no new participants will be allowed to enter DROP with an effective participation date after June 1, 2011.
Term Life Insurance	Upon the death of a contributing member there is paid a term life insurance benefit of \$15,000 (pro-rated for part-time members)
Member Contributions	
Tier I	Prior to October 1, 2011, regular members contributed 5.0% of salary and certified police officers, firefighters and correctional officers contributed 6.0% of salary. DROP participants continue to contribute during the DROP period, but receive a refund of these contributions and regular interest upon retirement.
	Beginning October 1, 2011, the contribution rates were increased to 7.25% for regular members and 8.25% for police officers, firefighters and correctional officers.
	Beginning October 1, 2012, the contribution rates were increased to 7.50% for regular members and 8.50% for police officers, firefighters and correctional officers.
Tier II	Regular members contribute 6% of salary and full-time certified firefighters, police officers and correctional officers contribute 7% of salary
Both	If positive investment performance results in a decrease in the total contribution rate paid by employers and employees participating in the System, the Retirement System of Alabama shall first reduce the employee contribution rate.
	"Regular Interest" is 4% which is the rate adopted by the Board and applied to the balance in each member's' account every year; however, if a member receives a refund of contributions, the interest rate applied to the refund is lower than the 4% regular rate (Based on Section 16-25-14-(g)(1)).



<u>SCHEDULE E</u>

STATEMENT OF ACTUARIAL ASSUMPTIONS AND METHODS

INVESTMENT RATE OF RETURN: 7.75 per annum, compounded annually, including price inflation at 2.75%.

SALARY INCREASES: Representative values of the assumed annual rates of future salary increases are as follows and include wage inflation at 3.00% per annum:

Service	Annual Rate				
0	5.00 %				
1-5	4.00				
6-10	3.75				
11-15	3.50				
16 & Over	3.25				



SEPARATIONS BEFORE SERVICE RETIREMENT: Representative values of the assumed annual rates of death, disability, and withdrawal are as follows:

	Annual Rate of										
<u>Age</u>	Death*		Disability**			<u>Withdray</u>	<u>wal</u> ***				
		<u>Tie</u>		<u>Tier II</u>			_				
			ears of Serv			Years of Service					
		<u>10-24</u>	<u>25+</u>	<u>10+</u>	<u>0-4</u>	<u>5-9</u>	<u>10-19</u>	<u>20+</u>			
Male											
20	0.0293%	0.0008%		0.0008%	25.00%						
25	0.0319	0.0250		0.0250	14.80	11.00%					
30	0.0376	0.0425		0.0425	13.80	5.40	3.50%				
35	0.0655	0.1300		0.1300	13.50	5.40	2.50	0.50%			
40	0.0914	0.1700		0.1700	13.00	5.40	2.25	0.50			
45 50	0.1278	0.2700	0.2000%	0.2700	13.00	5.40	2.25	0.75			
50 55	0.1812 0.2567	0.6000 0.9000	0.2000 0.2000	0.6000 0.9000	12.00 11.50	5.00 5.00	2.50 2.50	0.80 0.90			
55 60	0.2567	0.9000	0.2000	1.3000	12.00	5.00 4.50	2.50	0.90			
65	0.5353	0.5000	0.5000	0.5000	12.00	4.30 6.00	2.50	0.90			
69	0.6326	0.5000	0.5000	0.5000	12.00	6.25					
				<u>Female</u>							
20	0.0108%	0.0100%		0.0100%	25.00%						
25	0.0117	0.0275		0.0275	12.75	9.00%					
30	0.0149	0.0425		0.0425	13.50	5.80	4.30%				
35	0.0268	0.1000		0.1000	13.50	5.00	2.60	1.50%			
40	0.0399	0.2000		0.2000	11.50	4.75	2.00	1.50			
45	0.0635	0.3500	0.2000%	0.3500	10.75	4.10	2.00	0.50			
50	0.0947	0.6500	0.2000	0.6500	10.75	3.90	2.20	0.75			
55	0.1371	1.0500	0.2000	1.0500	11.00	4.20	2.40	0.80			
60 65	0.1929	0.5000	0.5000	1.4000	12.00	4.50	2.70	1.00			
65 69	0.2743 0.3435	0.5000 0.5000	0.5000 0.5000	0.5000 0.5000	15.00 15.00	6.75 7.25					
03	0.0400	0.0000	0.0000	0.0000	10.00	1.20					

*Rates of pre-retirement mortality are according to the sex distinct RP-2000 Employee Mortality Table (with the sex distinct RP-2000 Combined Mortality Table used for ages over 70) projected with Scale BB to 2020 with an adjustment factor of 90% for males and 60% for females.

**No rates of disability are assumed for members with less than 10 years of service.

***No rates of withdrawal are assumed after eligibility for service retirement.



SERVICE RETIREMENT:

The assumed annual rates of service retirement for **Tier I** members are as follows:

For members upon attaining 25 years of service, rates are as follows:

	Annual Rate					
Age Group	Male*	Female**				
47 & Under	25.0%	28.0%				
48	25.0	20.0				
49	20.0	17.0				
50	16.5	13.0				
51 to 53	16.0	15.0				
54	16.0	17.0				
55	16.0	18.0				
56-57	16.0	19.0				
58	16.0	21.0				
59	20.0	22.0				
60	20.0	30.0				
61	20.0	27.5				
62	35.0	45.0				
63	30.0	35.0				
64	23.0	32.0				
65	28.0	38.0				
66	27.0	40.0				
67	22.0	35.0				
68	22.0	37.0				
69 to 70	22.0	30.0				
71-74	20.0	30.0				
75	100.0	100.0				

*For males, retirement rates are increased by 5% in the year first attaining 25 years of service from age 51 through age 60.

**For females, retirement rates are increased by 9% in the year first attaining 25 years of service from age 50 through age 59.



For members first eligible for unreduced benefits before attaining 25 years of service, the rates are as follows:

	Annual Rate				
Age Group	Male	<u>Female</u>			
60	12.5%	17.0%			
61	11.0	13.5			
62	25.0	23.5			
63	18.5	18.0			
64	15.0	17.0			
65	28.0	28.0			
66	27.0	28.0			
67	22.0	23.0			
68	22.0	27.0			
69	22.0	22.0			
70	22.0	26.0			
71 to 74	20.0	24.0			
75 & Above	100.0	100.0			

The assumed annual rates of service retirement for Tier II members are as follows:

	Annual Rate								
Age Group	<u>N</u>	lale*	Female**						
<u>Age Group</u>	Less than 25	25 or more years	Less than 25	25 or more years					
	years of service	of service	years of service	of service					
62	50.0%	60.0%	50.0%	70.0%					
63	18.5	30.0	18.0	35.0					
64	15.0	23.0	17.0	32.0					
65	28.0	28.0	28.0	38.0					
66	27.0	27.0	28.0	40.0					
67	22.0	22.0	23.0	35.0					
68	22.0	22.0	27.0	37.0					
69	22.0	22.0	22.0	30.0					
70	22.0	22.0	26.0	30.0					
71 to 74	20.0	20.0	24.0	30.0					
75 & above	100.0	100.0	100.0	100.0					

* For FLC Tier II members, rates on or after age 60 are the same as those for Tier I, while rates from ages 56 to 59 are equal to 0.20 for service less than 25 years and 0.30 for service greater than or equal to 25 years.

** For FLC Tier II members, rates on or after age 60 are the same as those for Tier I, while rates from ages 56 to 59 are equal to 0.20 for service less than 25 years and 0.40 for service greater than or equal to 25 years.



DEATHS AFTER RETIREMENT: Rates of mortality for the period after service retirement are according to the RP-2000 White Collar Mortality Table projected to 2020 using scale BB and adjusted 115% for all ages for males and 112% for ages 78 and over for females. The rates of disabled mortality were based on the RP-2000 Disabled Mortality Table projected to 2020 using scale BB and adjusted 105% for males and 120% for females. Representative values of assumed mortality are as follows:

	Service Retirement		Disability Retirement	
<u>Age</u>	Male	<u>Female</u>	Male	<u>Female</u>
55	0.3575%	0.2339%	3.5044%	1.7959%
60	0.5579	0.3825	3.8359	2.1434
65	0.9991	0.6795	4.1382	2.6417
70	1.6384	1.1928	4.8570	3.5474
75	2.8589	2.0200	6.3692	4.9231
80	5.0501	3.7900	8.4883	6.8160
85	8.8966	6.5271	10.9897	9.4450
90	16.4327	11.3249	15.4359	13.4706

SPOUSE'S BENEFIT: For those eligible for spouse's benefits, it is assumed that 75% will elect the lump sum death benefit payable from the death benefit fund and 25% will elect the spouse's benefit payable from the pension accumulation fund.

BENEFITS PAYABLE UPON SEPARATION FROM SERVICE: For active members who separate from service prior to eligibility for a service retirement allowance, the liability is assumed to be the greater of the value of the refund of contributions or the value of the deferred annuity.

UNUSED SICK LEAVE: 3% load on service retirement liabilities for active members. (No load for Tier II members)

PERCENTAGE MARRIED: 100% of active members are assumed to be married with the husband 3 years older than the wife.

VALUATION METHOD: Individual entry age normal cost method.

ASSET METHOD: Market Value

LIABILITY FOR CURRENT INACTIVE MEMBERS: Member Contribution Balance is multiplied by a factor of 2.0. for vested members with incomplete data and 1.0 for other inactive members.

LIABILITY FOR POST-DROP ACTIVE MEMBERS: Members are assumed to retire immediately and receive their accrued benefit.

COLA: No future ad hoc cost of living adjustments (COLAs) are assumed.

FUTURE SERVICE CREDIT: One year of creditable service per year of employment.



<u>SCHEDULE F</u>

FUNDING POLICY OF THE TEACHERS' RETIREMENT SYSTEM BOARD OF CONTROL

The purpose of the funding policy is to state the overall funding objectives for the Teachers' Retirement System of Alabama (System), the benchmarks that will be used to measure progress in achieving those goals, and the methods and assumptions that will be employed to develop the benchmarks. The funding policy reflects the Board's long-term strategy for stability in funding of the plan.

I. Funding Objectives

The goal in requiring employer and member contributions to the System is to accumulate sufficient assets during a member's employment to fully finance the benefits the member is expected to receive throughout retirement. In meeting this objective, the System will strive to meet the following funding objectives:

- To maintain an increasing funded ratio (ratio of system actuarial value of assets to actuarial accrued liabilities) that reflects a trend of improved actuarial condition. The long-term objective is to attain a funded ratio which is consistent with the fiscal health and long-term stability of the System.
- To maintain adequate asset levels to finance the benefits promised to members and monitor the future demands for liquidity.
- To develop a pattern of contribution rates expressed as a percentage of member payroll as measured by valuations prepared in accordance with applicable State laws and the principles of practice prescribed by the Actuarial Standards Board. In no event will the employer contribution rate be negative.
- To provide intergenerational equity for taxpayers with respect to System costs.

II. Benchmarks

To track progress in achieving the previously outlined funding objectives, the following benchmarks will be measured annually as of the valuation date. The valuation date is the date that the annual actuarial valuation of the System's assets and liabilities is prepared. This date is currently September 30th each year with due recognition that a single year's results may not be indicative of long-term trends:

- **Funded ratio** The funded ratio, defined as the actuarial value of assets divided by the actuarial accrued liability, should increase over time, before adjustments for changes in benefits, actuarial methods, and/or actuarial assumptions. An open amortization period is one for which the amortization period is recalculated on a yearly basis and the ending date of the amortization period is a variable with each recalculation. A closed amortization period is one which is calculated over a fixed period and at the end of that period, the amount is fully amortized.
- Unfunded Actuarial Accrued Liability (UAAL)
 - Transitional UAAL The UAAL established as of the initial valuation date for which this funding policy is adopted shall be known as the Transitional UAAL (applicable only to employers participating in the System as of the adoption date of the funding policy).
 - New Incremental UAAL Each subsequent valuation will produce a New Incremental UAAL consisting of all benefit changes, assumption and method changes and experience gains and/or losses that have occurred since the previous valuation.

• UAAL Amortization Period and Contribution Rates

- In each valuation 1/15th of the Transitional UAAL will be amortized over a closed period. The closed period shall be the amortization period for the valuation preceding the adoption of the funding policy not to exceed 30 years. The remaining Transitional UAAL each year will be amortized over an open period. The open period shall be the amortization period for the valuation preceding the adoption of the funding policy not to exceed 30 years. After 15 years the entire Transitional UAAL will be closed.
- > Each New Incremental UAAL shall be amortized over a closed 30 year period.
- Employer Normal Contribution Rate the contribution rate determined as of the valuation date each year based on the provisions of Alabama Code Section 16-25-21.



- In each valuation subsequent to the adoption of this funding policy the required employer contribution rate will be determined by the summation of the employer Normal Contribution Rate, a contribution rate for administrative expenses, a contribution rate for the pre-retirement death benefit fund, a contribution rate for the term life insurance fund, the individual amortization rate for each of the New Incremental UAAL bases, the individual amortization rate for each of the Transitional UAAL and the amortization of any remaining open portion of the Transitional UAAL.
- UAAL Amortization Period for Employers joining the System after the Implementation of this Funding Policy
 - For Employers joining the System after the implementation of this Funding Policy, the employer contribution rate shall be computed as the sum of the employer Normal Contribution rate, a contribution rate for administrative expenses, a contribution rate for the pre-retirement death benefit fund, a contribution rate for the term life insurance fund, and the initial UAAL contribution rate. The initial UAAL contribution rate shall be determined by amortizing the initial UAAL over a closed period equal to the expected future working lifetime of the active membership. This initial amortization period shall not be less than 10 years nor greater than 30 years.
 - In subsequent years the UAAL and employer contribution rate shall be determined in accordance with the rules of the Funding Policy described in the previous section.

III. Methods and Assumptions

The actuarial funding method used to develop the benchmarks will be the Entry Age Normal (EAN) actuarial cost method. The actuarial methods and assumptions used will be those last adopted by the Board based upon the advice and recommendation of the actuary. The actuary shall conduct an investigation into the system's experience at least every five years and utilize the results of the investigation to form the basis for those recommendations.

IV. Funding Policy Progress

The Board will periodically have projections of funded status performed to assess the current and expected future progress towards the overall funding goals of the System.