

The experience and dedication you deserve



Alabama Public Education Employees' Health Insurance Plan Report of Actuary on the Retiree Health Care Valuation

Prepared as of September 30, 2020





The experience and dedication you deserve

April 20, 2021

Alabama Public Education Employees' Health Insurance Plan Board of Control P.O. Box 302150 Montgomery, AL 36130-2150

Dear Members of the Board:

We have submitted the results of the annual actuarial valuation of the Alabama Public Education Employees' Health Insurance Plan (PEEHIP) prepared as of September 30, 2020. While not verifying the data at source, the actuary performed tests for consistency and reasonability. The valuation indicates that an actuarially determined contribution of \$431,223,535 or 6.27% of active payroll payable for the fiscal year ending September 30, 2023 is required to fund the benefits of the PEEHIP. The information required under GASB 74 and 75 will be issued in separate reports.

Since the previous valuation performed as of September 30, 2019, there have been no changes in assumptions.

The promised medical and drug benefits of the Plan, as well as the Optional Plans, are included in the actuarially determined contribution rates which are developed using the entry age normal actuarial cost method. The discount rate used to value a plan is based on the likely return of the assets held in trust to pay benefits. The Alabama Retired Education Employees' Health Care Trust had \$1,601,750,000 in assets as of the valuation date. The discount rate used in the valuation remains 5.00%.

Gains and losses are reflected in the unfunded accrued liability that is assumed amortized by regular annual contributions as a level percentage of payroll within a 21-year closed period, on the assumption that payroll will increase by 3.00% annually. The assumptions recommended by the actuary are, in the aggregate, reasonably related to the experience under the Plan and to reasonable expectations of anticipated experience under the Plan.



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In order to prepare the results in this report, we have utilized appropriate actuarial models that were developed for this purpose. These models use assumptions about future contingent events along with recognized actuarial approaches to develop the needed results.

The impact of the Affordable Care Act (ACA) was addressed in this valuation. Review of the information currently available did not identify any specific provisions of the ACA that are anticipated to significantly impact results other than plan design features and fees currently mandated by the ACA and incorporated in the plan designs, which are included in the current baseline claims costs. Continued monitoring of the ACA's impact on the Plan's liability will be required.

We note that as we are preparing this report, the world is in the midst of a pandemic. We have considered available information and the only explicit change incorporated at this time was the use of pre-Medicare claims experience for the two-year period ending April 30, 2020 instead of September 30, 2020 to avoid bias in claims costs due to the pandemic. No other changes were incorporated at this time due to the level of uncertainty regarding the impact going forward. We will continue to monitor emerging data and advise the Board in the future of any adjustments that we believe would be appropriate.

This is to certify that the independent consulting actuaries are members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein. We certify that we have experience in performing valuations for public retirement systems, that the valuation was prepared in accordance with principles of practice prescribed by the Actuarial Standards Board, and that the actuarial calculations were performed by qualified actuaries in accordance with accepted actuarial procedures, based on the current provisions of the medical plans and on actuarial assumptions that are internally consistent and reasonably based on the actual experience of the Plan.

Future actuarial results may differ significantly from the current results presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status); and changes in plan provisions or applicable law. Since the potential impact of such factors is outside the scope of a normal annual actuarial valuation, an analysis of the range of results is not presented herein.



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If the required contributions to the Trust Fund are made by the employer from year to year in the future at the levels required on the basis of the successive actuarial valuations, the current assets and future anticipated contributions are in our opinion sufficient to meet all the benefit obligations of the Plan for current active and retired members.

Respectfully submitted,

Mise Brook

Alisa Bennett, FSA, EA, MAAA, FCA

President

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

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ALABAMA PUBLIC EDUCATION EMPLOYEES' HEALTH INSURANCE PLAN (PEEHIP) REPORT OF ACTUARY ON THE RETIREE HEALTH CARE VALUATION PREPARED AS OF SEPTEMBER 30, 2020

1. For convenience of reference, the principal results of the valuation are summarized below, along with the previous year's results.

Valuation Date	Sep	tember 30, 2020	Sep	tember 30, 2019
Membership Data as of Valuation Date:				
Retired Members Currently Receiving Benefits		92,352		90,310
Surviving Spouses Currently Receiving Benefits		2,046		1,985
Inactive Members Entitled to Benefits Not Yet Receiving		6,468		5,887
Active Members		130,228		133,805
Total Membership		231,094		231,987
Covered-Employee Payroll	\$	6,872,307,791	\$	7,053,038,1221
Assets:				
Market Value	\$	1,601,750,000	\$	1,477,077,000
Unfunded Actuarial Accrued Liability	\$	4,414,731,756	\$	4,281,532,221
Actuarial Cost Method	Е	ntry Age Normal	Е	ntry Age Normal
Amortization Period		21 Years		22 Years
Contribution for Fiscal Year Ending:	Sep	tember 30, 2023	Sep	tember 30, 2022
Actuarially Determined Contribution (ADC):				
Normal	\$	178,139,332	\$	172,340,515
Accrued Liability		253,084,203		236,398,993
Total	\$	431,223,535	\$	408,739,508
ADC as a % of Covered-Employee Payroll		6.27%		5.80%
Discount Rate		5.00%		5.00%
Payroll Growth		3.00%		3.00%

¹RSA implemented a new pension administration system for contribution reporting within this year, which resulted in larger than expected payroll amounts. This will not occur in subsequent years.



Section I – Summary of Principal Results

- 2. The valuation indicates contributions of \$431,223,535 or 6.27% of active payroll are sufficient to support the current benefits of the Plan. Comments on the valuation results as of September 30, 2020 are given in Section IV and further discussion of the contribution levels is set out in Sections V and VI.
- 3. As of September 30, 2020, the assets of the Plan in the Alabama Retired Education Employees' Health Care Trust totals \$1,601,750,000. The discount rate used in the valuation remains 5.00%. The assumed rate of payroll growth is 3.00%.
- 4. Schedule A provides an example of the decrease in the liabilities that could be accomplished if the Plan is fully pre-funded. Results at a 7.00% discount rate are shown for illustrative purposes.
- 5. Schedule C details the actuarial assumptions and methods employed. Schedule D provides a summary of the benefit and contribution provisions of the plan.
- 6. Claims were updated to reflect the most recent claims information available for pre-65 retirees; however, we utilized the experience period May 1, 2018 April 30, 2020 rather than calendar year 2020 in order to mitigate the impact of COVID-19 and the resulting deferral in care. Claims for post-65 medical and prescription drug benefits are based on the Medicare Advantage Plan with Prescription Drugs (MAPD). Future healthcare trend for the MAPD plan took into consideration actual preliminary premium projections, including the repeal of the Health Insurer Fee. See Schedule C of the report.



Section II – Membership Data

Data regarding the membership and recent claims and enrollment experience of the Plan for use as a basis of the valuation were furnished by the Retirement System office. Pension data was used for active participants with a post-employment health plan participation assumption applied. Data for current retired members with their medical, dental, cancer, indemnity and vision elections were supplied separately from the pension data.

Covered-Employee Payroll

	Total	No	t Eligible for PEEHIP]	Eligible for PEEHIP	
Active Members	132,707		(2,479)		130,228	
Compensation 9/30/2020	\$ 7,019,258,383	\$	(146,950,592)	\$	6,872,307,791	

Membership

	Total Number TRS	Number Not Eligible for or Waiving PEEHIP	Total Number PEEHIP
Retired Members or Surviving Spouses Currently Receiving Benefits	100,866	(6,468)	94,398
Inactive Members Entitled To But Not Yet Receiving Benefits	24,655	(18,187)	6,468
Non-vested Inactive Members Who Have Not Contributed to TRS For More Than 5 Years	30,490	(30,490)	0
Active Members	132,707	(2,479)	130,228
Total	288,718	(57,624)	231,094

Inactive Membership

	Male	Female	Total
Retired Members Currently Receiving Benefits	22,977	69,375	92,352
Surviving Spouses Currently Receiving Benefits	831	1,215	2,046
Total	23,808	70,590	94,398

Section II – Membership Data

Retirees, Spouses and Survivors

Category	Retirees	Spouses ¹	Survivors	Total
No Coverage	12,182	0	0	12,182
Optional Plan Only	11,508	0	451	11,959
Supplemental Coverage	1,358	698	4	2,060
Medical Plan, Non-Medicare	11,611	5,743	97	17,451
Medical Plan, Medicare Advantage	55,693	18,883	1,494	76,070
Total	92,352	25,324	2,046	119,722

¹ In addition, 791 retirees elected family coverage but have non-spousal dependents.



Section III – Assets

Schedule B shows information regarding assets for valuation purposes. As of September 30, 2020, plan assets held in trust solely to provide benefits to retirees and their beneficiaries in accordance with the terms of the plan totaled \$1,601,750,000. This valuation was based on an assumed discount rate of 5.00%. Schedule A provides an example of the decrease in the liabilities that could be accomplished if the Plan is fully pre-funded. Results at a 7.00% discount rate are shown for illustrative purposes



Section IV - Comments on Valuation

- 1. Schedule A of this report outlines the results of the actuarial valuation. The results are shown based on a discount rate of 5.00% and at 7.00%. The valuation was prepared in accordance with the actuarial assumptions and the actuarial cost method, which are described in Schedule C. The Summary of Benefit Provisions Valued is presented in Schedule D.
- 2. The valuation shows that the Plan has an actuarial accrued liability of \$3,568,782,243 for benefits expected to be paid on account of the present active membership, based on service to the valuation date. The liability on account of benefits payable to retirees, covered spouses and survivors amounts to \$2,447,699,513. The total actuarial accrued liability of the Plan amounts to \$6,016,481,756. Against these liabilities, the Plan has present assets for valuation purposes of \$1,601,750,000. Therefore, the unfunded actuarial accrued liability is equal to \$4,414,731,756.
- 3. The normal contribution is equal to the actuarial present value of benefits accruing during the current year. The normal contribution is determined to be \$178,139,332.



ACTUARIALLY DETERMINED CONTRIBUTION FOR FISCAL YEAR ENDING SEPTEMBER 30, 2023

Actuarially Determined Contribution (ADC)						
Normal	\$	178,139,332				
Accrued Liability		178,139,332 253,084,203				
Total	\$	431,223,535				

- 1. The valuation indicates that a normal contribution of \$178,139,332 is required to meet the cost of benefits currently accruing.
- 2. The unfunded actuarial accrued liability amounts to \$4,414,731,756 as of the valuation date. An accrued liability contribution of \$253,084,203 is sufficient to amortize the unfunded actuarial accrued liability over a 21-year period, based on a 5.00% investment rate of return and the assumption that the payroll will increase by 3.00% annually.
- 3. The total actuarially determined contribution is, therefore, \$431,223,535 or 6.27% of total compensation.



Section VI – Comments on Level of Funding

- The monthly contribution for retirees to opt into the medical plan is based on plan election, dependent coverage, Medicare eligibility and election, tobacco use, and wellness credits. Plan costs are determined for valuation purposes considering claims costs net of member premiums paid. For members retiring October 1, 2005 or after, a Retiree Sliding Scale premium based on years of service is applicable. For members retiring on or after January 1, 2012, Act 2011-704 establishes changes to the sliding scale premium calculation.
- 2. The valuation indicates that an increase in the recommended employer contribution rate from last valuation's recommended rate of 5.80% of compensation to 6.27% is required to fund the plan. This corresponds to a state contribution of \$431,223,535 required to meet the cost of benefits currently accruing and provide for the amortization of the unfunded actuarial accrued liability over a period of 21 years. The increase on a percent of payroll basis was primarily due to a decrease in the covered-employee payroll.



Section VII – Accounting Information

The information required under Governmental Accounting Standards Board (GASB) Statements No. 74 and 75 will be issued in separate reports. The following information is provided for informational purposes only.

Valuation Date	9/30/2020
Actuarial Cost Method	Entry Age Normal
Amortization Method	Level Percent of Payroll
Remaining Amortization Period	21 years, closed
Asset Valuation Method	Market Value of Assets
Actuarial Assumptions	
Investment Rate of Return*	5.00%
Medical Cost Trend Rate*	
Pre-Medicare Medicare Eligible	6.50% **
Ultimate Trend Rate*	
Pre-Medicare	4.75% in 2027
Medicare Eligible	4.75% in 2024
Optional Plans Trend Rate	2.00%

^{*} Includes price inflation at 2.75%

The assumed investment rate of return used to calculate the actuarially determined contribution reflects the fact that as of September 30, 2020 the Plan has \$1,601,750,000 in the Alabama Retired Education Employees' Health Care Trust solely to provide benefits to retirees and their beneficiaries. If the Plan starts fully pre-funding benefits, this discount rate may be increased to reflect equity investment the fund may have after full pre-funding begins. GASB Statements No. 74 and 75 require the discount rate used to calculate liabilities to be based upon the yield of 20-year, tax-exempt municipal bonds and the expected rate of return on plan assets, to the extent plan assets are projected to be available for the payment of future benefits.

^{**} Initial Medicare claims are set based on scheduled increases through plan year 2022.



SCHEDULE OF FUNDING PROGRESS

Actuarial Valuation Date	Market Value of Assets (a)	Actuarial Accrued Liability (AAL) (b)	Unfunded AAL (UAAL) (b - a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b-a)/c)
9/30/2010	\$ 750,384,000	\$ 11,584,965,113	\$ 10,834,581,113	6.5%	\$ 6,183,204,075	175.2%
9/30/2011	777,933,000	9,081,334,485	8,303,401,485	8.6	6,159,562,266	134.8
9/30/2012	930,278,000	8,957,153,960	8,026,875,960	10.4	6,222,316,020	129.0
9/30/2013	1,074,940,000	8,993,966,963	7,919,026,963	12.0	6,263,364,496	126.4
9/30/2014	1,208,401,000	9,523,791,853	8,315,390,853	12.7	6,335,160,505	131.3
9/30/2015	1,154,392,000	7,462,933,874	6,308,541,874	15.5	6,350,785,964	99.3
9/30/2016	1,240,200,000	7,919,752,285	6,679,552,285	15.7	6,430,999,445	103.9
9/30/2017	1,348,563,000	8,481,843,503	7,133,280,503	15.9	6,698,834,819	106.5
9/30/2018	1,428,803,000	8,666,971,500	7,238,168,500	16.5	6,756,474,151	107.1
9/30/2019	1,477,077,000	5,758,609,221	4,281,532,221	25.6	7,053,038,122	60.7
9/30/2020	1,601,750,000	6,016,481,756	4,414,731,756	26.6	6,872,307,791	64.2

These measures do not indicate whether or not the Plan would have sufficient assets if it were terminated, nor do they indicate what level of future contributions will be required.

The 9/30/2011 actuarial accrued liability reflects a change from the Retiree Drug Subsidy (RDS) to an Employer Group Waiver Plan (EGWP).

The 9/30/2015 actuarial accrued liability reflects a change from the Employer Group Waiver Plan (EGWP) to a Medicare Advantage Plan with Prescription Drugs (MAPD).

The actuarial accrued liability was determined using the projected unit credit cost method prior to the 9/30/2015 valuation and the entry age normal cost method beginning with the 9/30/2015 valuation.

The 9/30/2016 valuation reflects the updated assumptions from the TRS experience investigation.

The 9/30/2019 valuation reflects the repeal of the ACA Health Insurer Fee, updated pre-Medicare trend rates, and updated participation assumptions. RSA implemented a new pension administration system for contribution reporting within this year, which resulted in larger than expected payroll amounts. This will not occur in subsequent years.



RESULTS OF THE VALUATION AND THE BENEFITS OF ADVANCE FUNDING PREPARED AS OF SEPTEMBER 30, 2020

		5.00% Discount Rate (Current Funding Level)		Discount Rate Discourrent Funding (Con	
1.	Covered-Employee Payroll	\$	6,872,307,791	\$	6,872,307,791
2.	Actuarial Accrued Liability Present Value of Prospective Benefits Payable in Respect of:				
	(a) Active Members	\$	3,568,782,243	\$	2,582,975,745
	(b) Retired Members and Surviving Spouses		2,447,699,513		2,042,766,371
	(c) Total	\$	6,016,481,756	\$	4,625,742,116
3.	Present Assets for Valuation				
	Purposes	\$	1,601,750,000	\$	1,601,750,000
4.	Unfunded Actuarial Accrued				
	Liability: [2(c) - 3]	\$	4,414,731,756	\$	3,023,992,116
5.	Amortization Period		21 Years		21 Years
6.	Normal Contribution	\$	178,139,332	\$	105,515,465
7.	Accrued Liability Contribution		253,084,203		205,272,298
8.	Total Contribution: [6+7]	\$	431,223,535	\$	310,787,763
9.	Total Contribution as a Percent of Covered-Employee Payroll: [8 ÷ 1]		6.27%		4.52%



(GAIN)/LOSS

Actual experience will never (except by coincidence) coincide exactly with assumed experience. It is assumed that gains and losses will be in balance over a period of years, but sizable year to year fluctuations are common. Detail on the derivation of the (gain)/loss for the year ended September 30, 2020 is shown below.

	(Gain)/Loss	
1.	Unfunded Acrrued Liability (UAL) 9/30/2019	\$ 4,281,532,221
2.	Normal Cost 9/30/2019	172,340,515
3.	Actual Employer Contributions	198,014,000
4.	Interest Accrual [(1 + 2) x .050 - (3) x .025]	 217,743,287
5.	Expected UAL 9/30/2020 [1+2-3+4]	\$ 4,473,602,023
6.	(Gain)/Loss Due to Claims and Premium Experience*	21,196,424
7.	(Gain)/Loss Due to Changes in Assumptions	 0
8.	Expected UAL 9/30/2020 After Changes [5 + 6 + 7]	\$ 4,494,798,447
9.	Actual UAL as of 9/30/2020	\$ 4,414,731,756
10.	Experience (Gain)/Loss	\$ (80,066,691)
10.	Experience (Gain)/Loss as % of Acturial Accrued Liability at 9/30/2019	(1.39%)

^{*} The small loss in claims and premium experience was because premium rates paid by Medicare-eligible retirees were less than expected.



TOTAL (GAIN)/LOSS BY SOURCE FOR THE YEAR ENDING SEPTEMBER 30, 2020

Source	Total	% of 9/30/2019 Acturial Accrued Liability
		Liability
Age and Service Retirements. Generally, earlier retirements cause losses and later retirements cause gains.	\$ 7.9	0.14%
Withdrawal. More withdrawals than expected usually cause gains and less withdrawals than expected cause losses.	(23.9)	(0.41%)
Disability Retirements. More disabilities receiving health benefits than expected generally cause losses and less disabilities receiving health benefits than expected cause gains.	8.3	0.14%
Death-In-Service Benefits. If survivor claims are less than assumed, there is a gain. If claims are more than assumed, there is a loss.	4.3	0.08%
New Members/Rehires. Any past service causes losses, however pre-Medicare retirees returning to active service can cause a gain.	15.8	0.27%
Retiree Mortality. More deaths than expected cause gains, less than expected cause losses.	(29.8)	(0.52%)
Retiree Coverage Changes. Changes in medical plan election, coverage tier election, or Optionals coverage.	(37.5)	(0.65%)
Active Data Changes. Gains and losses resulting from unexpected changes in age, service, tier, gender, etc.	4.3	0.07%
Investment Return. Investment income greater than expected causes gains while investment income less than expected cause losses.	(48.2)	(0.84%)
Other. Miscellaneous gains and losses resulting from data corrections, timing of financial transactions, actual benefit payments and premiums different from expected, rounding of age and service for sliding scale calculations, changes in valuation software, etc.	18.7	0.33%
Total (Gain)/Loss	\$ (80.1)	(1.39%)



Schedule B – Plan Assets

Plan assets are resources, usually in the form of stocks, bonds, and other classes of investments, that have been segregated and restricted in a trust, or equivalent arrangement, in which (a) employer contributions to the plan are irrevocable, (b) assets are dedicated to providing benefits to retirees and their beneficiaries, and (c) assets are legally protected from creditors of the employers or plan administrator, for the payment of benefits in accordance with the terms of the plan. The Alabama Retired Education Employees' Health Care Trust has been established and, as of the valuation date, the market value of assets amounted to \$1,601,750,000. The development of the market value of assets is shown in the following table.

Market Value of Assets as of September 30, 2020

Asset Summary Based on Market Value	\$ Thousands		
Market Value as of September 30, 2019	\$	1,477,077	
Contributions		198,014	
Benefit Payments, Adminstrative Fees, and Other Disbursements		(195,462)	
Cash Flow		2,552	
Investment Income		122,121	
Market Value as of September 30, 2020	\$	1,601,750	



The decremental assumptions used in the valuation were selected based on the actuarial experience study prepared as of September 30, 2015, submitted to and adopted by the Teachers' Retirement System of Alabama Board on September 13, 2016, and are reasonable expectations of anticipated experience under the Plan. The assumptions were used in the retiree health care valuation for consistency and are under PEEHIP Board jurisdiction.

VALUATION DATE: September 30, 2020

DISCOUNT RATE: 5.00% per annum, compounded annually.

PAYROLL GROWTH: 3.00% per annum, compounded annually.

HEALTH CARE COST TREND RATES: Health care cost trend rates reflect the change in per capita health costs over time due to factors such as inflation, utilization, plan design, and technology improvements which are detailed in the "Annual Increase in Medical/Prescription Drug/Optional Plan Costs" below.

Annual Increase in Medical/Prescription Drug/Optional Plan Costs				
**	Pre-Medicare Medicare- Medical Eligible		Optional Plans	
Year	Trend*	Medical Trend*	Trend	
2020	6.50%	**	2.00%	
2021	6.25	**	2.00	
2022	6.00	5.00%	2.00	
2023	5.75	5.00	2.00	
2024	5.50	4.75	2.00	
2025	5.25	4.75	2.00	
2026	5.00	4.75	2.00	
2027	4.75	4.75	2.00	

^{*} Also applies to sliding scale age and years of service premium to be contributed by retirees, surviving dependent contributions, University Contributions and the PEEHIP Supplemental Plan cost.

The "Annual Increase in Base Contributions Received from Covered Members" details how the expected increase in the amounts contributed from covered retirees and dependents will increase over time. The trend rates are detailed below and apply to the base rate retiree premiums only. The sliding scale premiums are assumed to increase with health care trend. The premiums for surviving dependents are assumed to approximate the assumed claims cost over time.

Annual Increase in Base Contributions Received from Covered Members				
Retiree Sha	Retiree Optional Plans			
Pre-Medicare Medicare Eligible		Premium		
2.0%	1.0%	2.0%		

^{**} No trend is applied to the MAPD until 2022 because the rates are guaranteed through 2021.



AGE RELATED MORBIDITY: Per capita costs are adjusted to reflect expected cost changes related to age. The increase to the net incurred claims was assumed to be:

Participant Age	Annual Increase*
< 40	0.0%
40 - 44	2.6
45 – 49	2.6
50 – 54	3.2
55 – 59	3.4
60 - 64	3.7
65 - 69	3.2
70 - 74	2.4
75 – 79	1.8
80 - 84	1.3
85 and over	0.0

^{*} Optional and Supplemental Plan costs are not age adjusted.

ANTICIPATED PLAN PARTICIPATION: The assumed annual rates of plan participation and spouse coverage are as follows:

Medical	Under 65	Over 65
Disabled Retirement*	60%	85%
Service Retirement	60%	85%
Spouse Coverage**	55%	45%

^{* 100%} of current disabled retirees and future disabled retirees who are not also eligible for service retirement are assumed to qualify for Social Security Disability benefits and thus would be exempt from sliding scale contributions.

^{**} Percentage of participating members who are assumed to cover a spouse.

Optional Plans			
Plan Participation			
Hospital Indemnity	5%		
Dental	50%		
Cancer	7.5%		
Vision	15%		



Wives are assumed to be three years younger than husbands.

We assume 15% of males and 6% of females pay the \$50 monthly tobacco surcharge. This applies to both retirees and spouses.

We assume 100% of pre-Medicare eligible retirees and covered spouses will qualify for the wellness credit.

ANNUAL EXPECTED MEDICAL/PRESCRIPTION DRUGS CLAIMS (AGE 65): Following is a chart detailing expected per member per year medical/prescription drugs claims for pre-65 members for the year following the valuation date. Post-65 claims are based on the adjusted premium rate for the MAPD plan. Claims are age-adjusted to age 65.

Medical/Prescription Drugs			
Pre-65 \$13,208			
Post-65	\$1,200		

MEDICARE ADVANTAGE PREMIUMS: Claims for Medicare-Eligible retirees are set based on scheduled premium rate increases until the 2022 plan year. Premium rates drop beginning with plan year 2021 due to the repeal of the ACA Health Insurer Fee effective January 1, 2021.

ANNUAL EXPECTED OPTIONAL PLAN CLAIMS: Following is a chart detailing expected Optional Plan claims for the year following the valuation date. Optional Plan claims are not age-adjusted.

Dental	Vision	Cancer	Hospital Indemnity
Plan	Plan	Plan	Plan
\$449	\$69	\$125	\$178

ACTUARIAL METHOD: Costs were determined using the Entry Age Normal Cost Method. Under this method, the normal cost is determined as a level percentage of payroll which, if applied for the average new member during the entire period of his/her anticipated covered service from hire date through full retirement eligibility date, would be required to meet the cost of all benefits payable on behalf of the member. The unfunded accrued liability is determined by subtracting the present value of future normal costs together with the actuarial value of assets from the present value of expected benefits to be paid by the Plan.

ASSET VALUATION METHOD: Market value.



The following decremental assumptions used in the valuation were selected based on the actuarial experience study prepared as of September 30, 2015, submitted to and adopted by the Teachers' Retirement System of Alabama Board on September 13, 2016.

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

				Annual	Rate of			
Age	Death*		Disability**	•		Withdrav	val***	
		<u>Tie</u>		Tier II				
		Ye	ears of Servi	ice		Years of S	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>
				<u>Male</u>				
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	0.1278	0.2700	0.2000%	0.2700	13.00	5.40	2.25	0.75
50	0.1812	0.6000	0.2000	0.6000	12.00	5.00	2.50	0.80
55	0.2567	0.9000	0.2000	0.9000	11.50	5.00	2.50	0.90
60	0.3815	0.5000	0.5000	1.3000	12.00	4.50	2.50	0.90
65	0.5353	0.5000	0.5000	0.5000	12.00	6.00		
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	0.1929	0.5000	0.5000	1.4000	12.00	4.50	2.70	1.00
65	0.2743	0.5000	0.5000	0.5000	15.00	6.75		
69	0.3435	0.5000	0.5000	0.5000	15.00	7.25		

^{*}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 Tier I 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 Tier I members first eligible for unreduced pension 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>M</u>	<u>[ale</u> *	Female**	
Age Gloup	Less than 25	25 or more years	Less than 25 years	25 or more years
	years of service	of service	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>	<u>Male</u>	<u>Female</u>	<u>Male</u>	<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

SALARY INCREASES: Representative values of the assumed annual rates of future salary increases are as follows:

	Annual Rate	
	2017 Valuation	
Service	and later*	
0	5.00 %	
1-5	4.00	
6-10	3.75	
11-15	3.50	
16 & Over	3.25	

^{*}Includes wage inflation at 3.00% per annum.



ELIGIBILITY: Retiree medical eligibility is attained when an employee retires, and is immediately eligible to draw a retirement annuity from the Teachers' Retirement System of Alabama.

RETIREE CONTRIBUTIONS: Retiree contributions vary based on plan election, dependent coverage, Medicare eligibility and election, tobacco usage and, for non-Medicare eligible retirees and spouses, wellness credits.

In November 2004, the Alabama Legislature enacted legislation (Act 2004-649) that required the Public Education Employees' Insurance Board to implement a sliding scale premium for all employees retiring after September 30, 2005, based on their years of service at retirement.

The premium for retiree coverage is broken down into the employer share (what PEEHIP pays) and the retiree share. Under the sliding scale, the retiree will still be responsible for the retiree share, however, the employer share will increase or decrease based upon a retiree's years of service. For those employees retiring with 25 years of service, the employer would pay 100% of the employer share of the premium. For each year less than 25, the employer share would be reduced by 2% and the retiree share will be increased accordingly. For each year over 25, the employer share would be increased by 2% and the retiree share is reduced accordingly.

The sliding scale premium will not apply to disability retirements for twenty-four (24) months from the member's date of retirement, provided the member submits to PEEHIP proof of application for Social Security Disability benefits. The exemption from the sliding scale premium can be extended beyond twenty-four (24) months from the member's date of retirement if the member qualifies for Social Security Disability benefits during the twenty-four (24) months following the member's date of retirement.

For members retiring on or after January 1, 2012, Act 2011-704 establishes changes to the sliding scale premium calculation. Under the law there are three major changes to the retiree sliding scale premium. These changes are related to a retiree's years of service (Service Premium Component), age at the time of retirement (Age Component) and subsidy premium (Subsidy Component).

- Service Premium Component: An employee who retires with less than 25 years of service will contribute 4% of the employer share for each year under 25 years of service instead of 2% under the current law. The Service Premium Component continues for the retiree's lifetime.
- Age Component: An employee who retires before becoming Medicare eligible will contribute 1% of the employer share for each year less than 65. Upon Medicare entitlement, the age component will be removed.
- Subsidy Component: An employee will contribute the net difference between the active employee subsidy and the non-Medicare eligible retiree subsidy (subsidy premium). The Fiscal Year 2021 subsidy premium amount is \$201.25 per month. Upon Medicare entitlement, the subsidy component will be removed.



Retired Members

The following health insurance premiums are the base rates set by the PEEHIP Board. Base rates are before the wellness premiums, tobacco premiums, or the retiree sliding scale adjustments are applied, if applicable. The monthly premiums for members who retired prior to October 1, 2005, or members who retired on or after October 1, 2005, and before January 1, 2012, with 25 years of service are listed in the chart below and show a retiree's out-of-pocket cost after subtracting the retiree insurance contribution.

Sample Premium Rates 2020-2021 Plan Year					
Coverage Type	*Premium if Retiree Subscriber is Non- Medicare-Eligible	Premium if Retiree Subscriber is Medicare-Eligible			
Single Coverage	\$170	\$25			
Family Coverage:					
Multiple Dependents but No Spouse	\$425	\$280			
Multiple Dependents and Non-Medicare-Eligible Spouse	\$525	\$380			
Multiple Dependents and Medicare-Eligible Spouse	\$455	\$310			
Only Non-Medicare-Eligible Spouse	\$500	\$355			
Only Medicare-Eligible Spouse	\$309	\$164			
Only 1 Non-Spousal Medicare-Eligible Dependent	\$284	\$139			
Only 1 Non-Spousal Non-Medicare Eligible Dependent	\$425	\$280			

^{*} This rate applies to the PEEHIP Hospital Medical or the VIVA Health Plan and is the monthly amount that will be deducted from a retiree's check. The VIVA Health Plan is not available to retired members who are Medicare eligible or retired members who have dependents who are Medicare eligible.

The premium rates above do not include the \$50 monthly tobacco surcharge for both retirees and their spouses.

Retirees participating in the PEEHIP Supplemental Plan were assumed to cost \$170 monthly effective October 1, 2020.

The University System makes a contribution to PEEHIP for every University retiree participating in PEEHIP plans regardless of age or plan tier election. For Fiscal Year 2021, the monthly amount is \$295 per retiree.



The State per member per month funding can be used to purchase the PEEHIP Supplemental Plan or two optional plans at no cost to the retiree if the retiree is not purchasing one of the hospital medical plans. Additional optional plans can be purchased for \$38.00 per month per plan.

Optional Coverage: Active and Retired Members

Cancer \$38.00/month Individual or Family Coverage Indemnity \$38.00/month Individual or Family Coverage

Dental \$38.00/month Individual Coverage \$50.00/month Family Coverage

Vision \$38.00/month Individual or Family Coverage

Retiree premiums for the four optional plans, Hospital Indemnity, Dental, Cancer and Vision, are \$38 per retiree per month. Since these plans can be purchased for \$0 in lieu of taking the hospital medical coverage, it is assumed that 75% of future participants in the Dental plan and 50% of future participants in the other optional plans will make the \$38 per month (\$50 for Family Dental) contributions.

Surviving Dependent

The following health insurance premiums are the base rates set by law and approved by the PEEHIP Board. Base rates are before wellness and tobacco premiums are applied, if applicable. These rates begin the first of the month following the member's date of death.

Premium Rates 2020-2021Plan Year				
Type of Contract	Monthly Premium for PEEHIP Hospital Medical or VIVA Health Plan			
Individual Coverage/Non-Medicare-eligible (NME) Survivor	\$920			
Family Coverage/NME Survivor & More Than 1 Dependent or Only Dependent NME	\$1,192			
Family Coverage/NME Survivor & Only Dependent Medicare-eligible (ME)	\$985			
Individual Coverage/ME Survivor	\$244			
Family Coverage/ME Survivor & More Than 1 Dependent or Only Dependent NME	\$613			
Family Coverage/Medicare-eligible Survivor & Only Dependent ME	\$387			
Supplemental Medical Plan (Single or Family)	\$170			
Optional (Each) - Cancer, Indemnity, Vision, and Single Dental	\$38			
Optional – Family Dental Premium	\$50			
Tobacco Premium for Survivor Enrolling in Hospital Medical	\$50			
Wellness Premium/NME Survivor	\$50			



Benefit Policy and Premium Changes Effective October 1, 2020

(Unless otherwise notated)

$Teladoc^{\hbox{\it $(\!\!\!R\!\!\!)$}}$

• All members who are enrolled in the PEEHIP Hospital Medical Plan Group #14000 have access to Teladoc[®], which provides consultations with board-certified doctors via phone or video 24 hours a day/7 days a week. This service is available at zero copay and can be used to speak with a doctor about a variety of issues such as cold, flu, allergies, infections, and more. Plus, when necessary, the doctor can even prescribe the appropriate medication needed for treatment. This exciting new benefit can be used in place of the emergency room or urgent care for non-emergency situations.

Applied Behavior Analysis (ABA) Therapy Copay Reduction

• PEEHIP covers Applied Behavior Analysis (ABA) Therapy for children ages 0 through 18 at 100% of the Blue Cross Blue Shield of Alabama allowance, subject to a \$15 copay per visit and the annual dollar maximum limits of \$40,000 for ages 0 through 9, \$30,000 for ages 10 through 13, and \$20,000 for ages 14 through 18, for in-network and out-of-network enrolled providers, effective retroactively to January 1, 2018.

Flexible Spending Account (FSA) Plan Changes

- The annual maximum Health FSA contribution was \$2,700 beginning fiscal year October 1, 2019 and is \$2,750 beginning fiscal year October 1, 2020. This is a benefit enhancement.
- The Dependent Care Reimbursement Account (DCRA) annual maximum contribution remains unchanged at \$5,000 (\$2,500 each if married filing separately).
- The Carryover Limit will increase from \$500 to \$550 beginning fiscal year October 1, 2020.

VIVA Health Plan Benefit Changes

- PEEHIP members covered by the VIVA Health Plan have access to teleconsultation through Teladoc[®] just like members covered under the PEEHIP Hospital Medical Plan Group #14000 administered by Blue Cross Blue Shield of Alabama. The copay for VIVA members is decreasing to \$25 per consult effective October 1, 2020.
- The combined medical and prescription drug in-network maximum annual out-of-pocket amounts will remain at \$7,350 for individual and \$14,700 per family for the 2020-2021 benefits. Maximum out-of-pocket amounts are a benefit to members because they limit the total amount members will pay out-of-pocket for their in-network healthcare expenses.
- VIVA will also begin covering ABA therapy effective October 1, 2018, and coverage will be at 80% of the allowed amount after members meet the deductible. The calendar year deductible remains unchanged at \$500 for individual and \$1,500 per family contract for the 2021 fiscal year. ABA therapy will be available to those members with a diagnosis of autism, autism spectrum disorder, or pervasive developmental delay.
- VIVA benefits have always included Diabetic Self-Management Education (DSME) with no limit. This benefit was previously billed by a hospital as an outpatient claim, causing the applicable member cost-sharing and deductible. DSME will not be a new benefit category, which is a benefit enhancement because the deductible no longer applies.



Maximum Annual Out-of-Pocket Amounts

• The combined medical and prescription drug in-network maximum annual out-of-pocket amounts was \$8,150 per individual and \$16,300 per family per calendar year effective January 1, 2020 and is \$8,550 per individual and \$17,100 per family per calendar year effective January 1, 2021.

Supplemental Medical Changes

↑ The annual maximum amount of claims paid under Group #61000 was \$8,150 per individual and \$16,300 per family per calendar year effective January 1, 2020 and is \$8,550 per individual and \$17,100 per family per calendar year effective January 1, 2021. This is a benefit enhancement.

Blue Distinction Centers for Bariatric Surgery

- Since both quality of care and cost of care vary significantly among the broad choice of providers in Alabama, Blue Cross Blue Shield of Alabama has established Blue Distinction Centers as facilities within the state that are proven to show the best healthcare outcomes for certain procedures. To ensure members covered under the PEEHIP Hospital Medical Plan Group receive the safest and highest level of care when seeking treatment for surgery for morbid obesity or related bariatric procedures, coverage for these procedures is available only at Alabama Blue Distinction Center facilities effective January 1, 2018. No coverage is available for these procedures when done at a non-Alabama Blue Distinction Center. By using these facilities with proven results of better outcomes, members will experience less avoidable complications and re-admissions. Higher quality care and less complications equates to lower costs for the plan.
- Any in-network facility within the state can become a Blue Distinction Center if they meet certain quality of care criteria as set by Blue Cross Blue Shield of Alabama.

Pharmacy Changes

• Due to the fast-moving nature of both new drugs becoming available and price changes amongst existing drugs, PEEHIP implements various utilization management programs throughout the plan year to the commercial plan formulary, including prior authorizations, step therapy, quantity limits and the exclusion of some drugs to drive utilization to lower cost therapeutic alternative medications. This is to ensure that the PEEHIP formulary covers the most effective drugs at the most reasonable price. No changes were made to the drug copay tiers.

Medicare Advantage PPO Plans

• Humana® replaced UnitedHealthcare® in administering the PEEHIP Group Medicare Advantage (PPO) Plan for Medicare-eligible retirees and Medicare-eligible dependents of retirees effective January 1, 2020.

Wellness Program

Effective October 1, 2019, the new PEEHIP Wellness Program – *Choose Well, Live Well* – will launch and be administered by Sharecare® and Blue Cross Blue Shield (BCBS) of Alabama. The only required activity to earn the \$50 wellness premium waiver for the 2021 fiscal year is the wellness screening. All other activities of the wellness program are on a voluntary basis.