SECTION TWO (CONTINUED)

REQUIRED SUPPLEMENTARY INFORMATION OTHER THAN MD&A

STATE OF TEXAS

Budgetary Comparison Schedule: General Fund

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	Budgetar	y Amounts	Actual	Final to Actual	
	Original	Final	Amounts	Variance	
REVENUES					
Taxes	\$ 67,570,434	\$ 67,570,434	\$ 71,030,409	\$ 3,459,975	
Federal	68,734,969	91,689,448	74,070,967	(17,618,481)	
Licenses, Fees and Permits	2,787,190	2,892,990	3,417,437	524,447	
Sales of Goods and Services	5,425,096	5,830,332	5,250,000	(580,332)	
Interest and Other Investment Income	262,406	266,316	2,005,469	1,739,153	
Land Income	9,328	10,017	14,646	4,629	
Settlement of Claims	572,238	572,704	602,846	30,142	
Other Revenues	8,065,629	8,218,856	10,441,470	2,222,614	
Total Revenues	153,427,290	177,051,097	166,833,244	(10,217,853)	
EXPENDITURES					
General Government	8,298,146	13,540,389	5,599,641	7,940,748	
Education	30,181,922	32,520,648	35,937,288	(3,416,640)	
Employee Benefits	3,736,450	1,418,283	19,318	1,398,965	
Teacher Retirement State Contributions	3,155,003	3,155,003	3,047,455	107,548	
Health and Human Services	53,274,186	75,560,644	83,509,465	(7,948,821)	
Public Safety and Corrections	5,907,804	8,445,784	8,560,495	(114,711)	
Transportation	216,918	394,861	280,008	114,853	
Natural Resources and Recreation	2,996,771	3,655,292	3,987,211	(331,919)	
Regulatory Services	348,014	477,904	445,237	32,667	
Total Expenditures	108,115,214	139,168,808	141,386,118	(2,217,310)	
Excess (Deficiency) of Revenues					
Over (Under) Expenditures	45,312,076	37,882,289	25,447,126	(12,435,163)	
OTHER FINANCING SOURCES (USES)					
Available Beginning Balances	66,223,262	54,017,120	48,504,037	(5,513,083)	
Sale of Capital Assets	11,236	12,054	12,664	610	
Insurance Recoveries	16,000	16,065	6,598	(9,467)	
Transfer In	2,629,830	2,233,999	5,398,251	3,164,252	
Transfer Out	(9,386,282)	(10,130,547)	(12,480,613)	(2,350,066)	
Total Other Financing Sources (Uses)	59,494,046	46,148,691	41,440,937	(4,707,754)	
Excess of Revenues and Other Financing,					
Sources Over Expenditures and Other					
Financing Uses	\$104,806,122	\$ 84,030,980	\$ 66,888,063	\$ (17,142,917)	

STATE OF TEXAS

Budgetary Comparison Schedule: Major Special Revenue Fund – State Highway Fund

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	Budgetary Amounts		Actual	Final to Actual	
	Original	Final	Amounts	Variance	
REVENUES					
Taxes	\$ 5,707,988	\$ 5,707,988	\$ 5,988,500	\$ 280,512	
Federal	5,229,894	5,229,894	4,057,655	(1,172,239)	
Licenses, Fees and Permits	1,859,136	1,859,149	1,971,463	112,314	
Sales of Goods and Services	25,408	29,908	(11,296)	(41,204)	
Interest and Other Investment Income	18,218	18,218	393,041	374,823	
Land Income	20,226	20,226	29,616	9,390	
Settlement of Claims	28,641	28,641	49,020	20,379	
Other Revenues	296	296	41,592	41,296	
Total Revenues	12,889,807	12,894,320	12,519,591	(374,729)	
EXPENDITURES					
General Government	17,000	17,120	17,551	(431)	
Employee Benefits	164,462	52,020		52,020	
Transportation	13,802,084	16,623,128	13,844,570	2,778,558	
Total Expenditures	13,983,546	16,692,268	13,862,121	2,830,147	
Excess (Deficiency) of Revenues					
Over (Under) Expenditures	(1,093,739)	(3,797,948)	(1,342,530)	2,455,418	
OTHER FINANCING SOURCES (USES)					
Available Beginning Balances	5,602,500	4,465,880	11,051,573	6,585,693	
Sale of Capital Assets	9,562	9,562	15,463	5,901	
Transfer In	3,583,881	3,583,881	3,436,540	(147,341)	
Transfer Out			(681,386)	(681,386)	
Total Other Financing Sources (Uses)	9,195,943	8,059,323	13,822,190	5,762,867	
Excess of Revenues and Other Financing,					
Sources Over Expenditures and Other	e 0 102 204	e 4.261.275	e 12.470.660	e 0.210.205	
Financing Uses	\$ 8,102,204	\$ 4,261,375	\$ 12,479,660	\$ 8,218,285	

Note to Budgetary Comparison Schedule

The budgetary comparison schedule presents comparisons of the legally adopted budget with actual data on a budgetary basis. Since accounting principles applied for purposes of developing data on a budgetary basis differ significantly from those used to present financial statements in conformity with generally accepted accounting principles (GAAP), a reconciliation of these differences is presented in table RSI-1.

activity for these programs is excluded from the budgetary comparison schedule.

Entity Differences: Budgets are not established for sources from RTU leases/subscription assets. These financing sources are not included in the budgetary comparison schedule.

The beginning cash balances are included as other financing sources in the budgetary comparison schedule. The beginning fund balances are not included as financing sources on the GAAP financial statements.

Reconciliation of Budgetary Basis to GAAP Basis Table RSI-1 August 31, 2023 (Amounts in Thousands) State Highway General Fund Fund Excess of Revenues and Other Financing Sources Over Expenditures and Other Financing Uses -Actual \$66,888,063 \$12,479,660 Basis of Accounting Differences: Receivables and Unearned Revenues (709,142)145,887 1,863,613 Payables (304,715)Perspective Differences: Beginning Cash Balances Reported as Other Financing Sources (48,504,037)(11,051,573)Revenues and Other Financing Sources Not Budgeted 902,319 49,379 Expenditures and Other Financing Uses Not Budgeted (491,013) (114,380)Excess of Revenues and Other Financing Sources Over Expenditures and Other Financing Uses - GAAP Basis \$19,949,803 \$ 1,204,258

Excess of Actual Expenditures over Final Budget

General fund - The \$3.4 billion variance in education is primarily attributable to new federal pandemic funding to reimburse expenses in fiscal year 2022. The \$7.9 billion variance in health and human services was the result of increased expenditures made from the excess of federal revenues received over estimates by agencies in this particular function. The \$114.7 million difference in public safety and

corrections and the \$331.9 million difference in natural resources and recreation are largely due to prior year appropriations being expended in the current fiscal year.

Major Special Revenue Fund – State Highway
Fund - The \$431 thousand variance in general government was the result of prior year appropriation balances spent in this fiscal year.

Basis of Budgeting

The state's budget is prepared on a cash basis. The *Texas Constitution* limits appropriations from the state treasury to two years. The Legislative Budget Board (LBB) is required by statute to adopt an estimated rate of growth for the next biennium and calculate a limit

The major reconciling items between the budgetary comparison schedule actual and the GAAP financial statements are:

Basis of Accounting Differences: Revenues and expenditures are reported on the cash basis of accounting in the budgetary comparison schedule but are reported on the modified accrual basis on the GAAP financial statements. Therefore, unearned revenues, receivables and payables are included as reconciling items.

Perspective Differences: Certain revenues and expenditures, including debt service and the disproportionate share portion of the Federal Medical Assistance program are not budgeted by the Texas Legislature. The

on the amount of state tax revenue, not dedicated by the Texas Constitution that is available for spending in the next biennium. If the Texas Legislature, by adoption of a resolution approved by a record vote of a majority of the members of each house, finds that an emergency exists and identifies the nature of the emergency, the Texas Legislature may provide appropriations in excess of the adopted limit. The Governor's Budget Office and LBB initiate the process by submitting budget requests to the Texas Legislature. At final passage of the General Appropriations Act by the Texas Legislature, it is sent to the Texas Comptroller of Public Accounts (Comptroller) for certification. If the Comptroller certifies that appropriated amounts are within the amounts estimated to be available in the affected funds, the bill is sent to the governor. If not certified, the Texas Legislature may pass the bill with a four-fifths majority vote. The governor has the option of vetoing the total bill or specific items of appropriations, but does not have the authority to reduce an item of appropriation. Upon approval by the governor, the bill becomes law and is the budget authority for state agencies to spend state funds. The Comptroller is responsible for controlling, accounting and reporting expenditures in accordance with the expenditure budgets.

Legal Level of Budgetary Control

The *Texas Constitution* requires the Comptroller to submit a *Biennial Revenue Estimate* to the Texas Legislature prior to each regular session. This document contains an itemized estimate of beginning cash balances, anticipated revenues based on laws then in effect

and estimated expenditures from prior appropriations. The *Texas Constitution* also requires the Comptroller to submit supplementary revenue estimates at any special session of the Texas Legislature and at other necessary times to show probable changes.

The level of legal control for the budget is established at the strategy (line item) level by agency. For example, Highway Patrol and Vehicle Inspection Program are two of the strategies for the Texas Department of Public Safety. The legal level of budgetary control is defined as the level at which the governing body must approve any over-expenditure of appropriations or transfers of appropriated amounts. Agencies are authorized limited transfer authority between strategies, not to exceed 20 percent, by the *General Appropriations Act*. Transfers and expenditures are monitored against the original budget by the Comptroller's office to ensure the agency's authorized budget is not exceeded.

The level of legal control for all agencies is documented in the *Appropriation Summary Report*, which is available by request from the Comptroller's office. This separate document includes budget and actual data by appropriation line item for each state agency. State agencies cannot exceed approved appropriations. In certain emergency situations, the governor may authorize additional appropriations from deficiency and emergency appropriation reserves. Unexpended appropriations generally lapse 60 days after the fiscal year unless they are encumbered during the 60-day lapse period. Other appropriations referred to as reappropriated unexpended balances represent the continuation of a prior year's balances for completion of a program.

Schedules of Changes in Net Pension Liability and Related Ratios

For each of the fiscal years presented, the measurement date for the information on the schedules of changes in net pension liability and related ratios was the prior fiscal year-end.

The schedules of changes in net pension liability and related ratios for the state's Employees Retirement System of Texas Plan (ERS Plan), Law Enforcement and Custodial Officer Supplemental Retirement Plan (LECOS Plan) and Judicial Retirement System of Texas Plan Two (JRS2 Plan) are presented in tables RSI-2, RSI-3 and RSI-4, respectively.

Schedule of Changes in Net Pension Liability and Related Ratios³

Table RSI-2: Employees Retirement System of Texas Plan

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	2023	2022	2021	2020	2019
Total Pension Liability					
Service Cost	\$ 985,244	\$ 2,146,247	\$ 1,827,864	\$ 1,346,986	\$ 1,445,557
Interest on the Total Pension Liability	3,027,806	2,376,688	2,516,723	2,694,084	2,559,723
Benefit Changes					
Difference between Expected and Actual					
Experience of the Total Pension Liability	509,628	(747,551)	510,657	(578,195)	91,881
Assumption Changes ¹		(22,817,318)	6,366,987	8,469,458	(1,982,914)
Benefit Payments and Refunds	(2,843,879)	(2,711,256)	(2,621,737)	(2,540,262)	(2,406,362)
Net Change in Total Pension Liability	1,678,799	(21,753,190)	8,600,494	9,392,071	(292,115)
Total Pension Liability – Beginning	44,183,687	65,936,877	57,336,383	47,944,312	48,236,427
Total Pension Liability – Ending	\$45,862,486	\$ 44,183,687	\$ 65,936,877	\$ 57,336,383	\$47,944,312
Plan Fiduciary Net Position					
Contributions – Employer	\$ 1,259,883	\$ 739,573	\$ 735,856	\$ 712,648	\$ 697,189
Contributions – Member	721,520	718,357	713,985	694,789	683,933
Pension Plan Net Investment Income	(728,036)	6,937,215	1,791,061	758,467	2,430,297
Benefit Payments and Refunds	(2,843,879)	(2,711,256)	(2,621,737)	(2,540,262)	(2,406,362)
Pension Plan Administrative Expense	(31,640)	(21,852)	(24,182)	(27,752)	(23,550)
Net Change in Plan Fiduciary Net Position	(1,622,152)	5,662,037	594,983	(402,110)	1,381,507
Plan Fiduciary Net Position – Beginning	33,608,244	27,946,207	27,351,224	27,753,334	26,371,827
Plan Fiduciary Net Position – Ending	\$31,986,092	\$ 33,608,244	\$27,946,207	\$ 27,351,224	\$ 27,753,334
Net Pension Liability – Beginning	\$ 10,575,443	\$37,990,670	\$29,985,159	\$ 20,190,978	\$21,864,600
Net Pension Liability – Ending	\$13,876,394	\$10,575,443	\$37,990,670	\$ 29,985,159	\$20,190,978
Plan Fiduciary Net Position as a Percentage					
of Total Pension Liability	69.74%	76.06%	42.38%	47.70%	57.89%
Covered Payroll ²	\$ 7,205,608	\$ 7,188,368	\$ 7,158,435	\$ 6,947,625	\$ 6,811,926
Net Pension Liability as a Percentage of	,,	, ,	,	,,	, , 0
Covered Payroll	192.58%	147.12%	530.71%	431.59%	296.41%
•					

Notes to Schedule:

Concluded on the Following Page

¹ The change in the total pension liability is due to the change in the single discount rate and included as an assumption change.

Assumption changes for fiscal 2017 include the impact of new assumption changes adopted by the Board effective Aug. 31, 2017.

Assumption changes for fiscal 2020 include the impact of new assumption changes adopted by the Board effective Aug. 31, 2020.

Assumption changes for fiscal 2022 include changes due to moving from a fixed contribution rate structure to go extracted the determinance.

Assumption changes for fiscal 2022 include changes due to moving from a fixed contribution rate structure to an actuarially determined structure.

² The covered payroll is the payroll on which contributions to pension plan are based for the measurement period.

³ This schedule is intended to present 10 years of information. Currently only nine years of information are available. Information for future years will be added when it becomes available.

Schedule of Changes in Net Pension Liability and Related Ratios³ (concluded)

Table RSI-2: Employees Retirement System of Texas Plan

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	2018	2017	2016	2015
Total Pension Liability				
Service Cost	\$ 1,457,263	\$ 1,146,791	\$ 1,231,203	\$ 1,139,451
Interest on the Total Pension Liability	2,510,128	2,522,625	2,373,850	2,324,180
Benefit Changes			(87,835)	
Difference between Expected and Actual				
Experience of the Total Pension Liability	115,632	133,557	(284,751)	(252,967)
Assumption Changes ¹	2,219,672	5,301,965	(3,429,167)	1,199,067
Benefit Payments and Refunds	(2,288,825)	(2,147,307)	(2,049,291)	(1,963,481)
Net Change in Total Pension Liability	4,013,870	6,957,631	(2,245,991)	2,446,250
Total Pension Liability – Beginning	44,222,557	37,264,926	39,510,917	37,064,667
Total Pension Liability – Ending	\$48,236,427	\$ 44,222,557	\$ 37,264,926	\$39,510,917
Plan Fiduciary Net Position				
Contributions – Employer	\$ 700,078	\$ 686,763	\$ 500,395	\$ 482,239
Contributions – Member	685,461	674,678	462,160	430,595
Pension Plan Net Investment Income	2,832,628	1,273,413	56,941	3,252,417
Benefit Payments and Refunds	(2,288,825)	(2,147,307)	(2,049,291)	(1,963,481)
Pension Plan Administrative Expense	(23,095)	(20,449)	(21,840)	(20,195)
Net Change in Plan Fiduciary Net Position	1,906,247	467,098	(1,051,635)	2,181,575
Plan Fiduciary Net Position – Beginning	24,465,580	23,998,482	25,050,117	22,868,542
Plan Fiduciary Net Position – Ending	\$26,371,827	\$24,465,580	\$23,998,482	\$25,050,117
Net Pension Liability – Beginning	\$ 19,756,977	\$ 13,266,444	\$14,460,800	\$ 14,196,125
Net Pension Liability – Ending	\$21,864,600	\$19,756,977	\$13,266,444	\$14,460,800
Plan Fiduciary Net Position as a Percentage				
of Total Pension Liability	54.67%	55.32%	64.40%	63.40%
Covered Payroll ²	\$ 6,859,707	\$ 6,742,143	\$ 6,150,195	\$ 5,955,461
Net Pension Liability as a Percentage of				
Covered Payroll	318.74%	293.04%	215.71%	242.82%

¹ The change in the total pension liability is due to the change in the single discount rate and included as an assumption change.
Assumption changes for fiscal 2017 include the impact of new assumption changes adopted by the Board effective Aug. 31, 2017.
Assumption changes for fiscal 2020 include the impact of new assumption changes adopted by the Board effective Aug. 31, 2020.
Assumption changes for fiscal 2022 include changes due to moving from a fixed contribution rate structure to an actuarially determined structure.

² The covered payroll is the payroll on which contributions to pension plan are based for the measurement period.

³ This schedule is intended to present 10 years of information. Currently only nine years of information are available. Information for future years will be added when it becomes available.

Schedule of Changes in Net Pension Liability and Related Ratios³

Table RSI-3: Law Enforcement and Custodial Officer Supplemental Retirement Plan

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	2023	2022	2021	2020	2019	
Total Pension Liability						
Service Cost	\$ 93,712	\$ 91,246	\$ 96,690	\$ 71,926	\$ 79,309	
Interest on the Total Pension Liability	80,910	82,146	86,012	96,086	91,171	
Difference between Expected and Actual						
Experience of the Total Pension Liability	65,927	(27,962)	(1,841)	(54,148)	(21,651)	
Assumption Changes ¹	(739,123)	82,179	158,946	427,818	(87,015)	
Benefit Payments and Refunds	(97,196)	(91,669)	(86,706)	(82,250)	(75,633)	
Net Change in Total Pension Liability	(595,770)	135,940	253,101	459,432	(13,819)	
Total Pension Liability – Beginning	2,998,396	2,862,456	2,609,355	2,149,923	2,163,742	
Total Pension Liability – Ending	\$ 2,402,626	\$ 2,998,396	\$ 2,862,456	\$ 2,609,355	\$ 2,149,923	
Plan Fiduciary Net Position						
Contributions – Employer	\$ 21,428	\$ 20,294	\$ 22,293	\$ 25,864	\$ 26,110	
Contributions – Member	8,729	9,078	8,950	9,098	9,275	
Pension Plan Net Investment Income	(5,026)	232,795	61,098	26,250	84,937	
Benefit Payments and Refunds	(97,196)	(91,669)	(86,706)	(82,250)	(75,633)	
Pension Plan Administrative Expense	(1,680)	(1,781)	(1,933)	(2,167)	(1,851)	
Net Change in Plan Fiduciary Net Position	(73,745)	168,717	3,702	(23,205)	42,838	
Plan Fiduciary Net Position – Beginning	1,116,041	947,324	943,622	966,827	923,989	
Plan Fiduciary Net Position – Ending	\$ 1,042,296	\$ 1,116,041	\$ 947,324	\$ 943,622	\$ 966,827	
Net Pension Liability – Beginning	\$ 1,882,355	\$ 1,915,132	\$ 1,665,733	\$ 1,183,096	\$ 1,239,753	
Net Pension Liability – Ending	\$ 1,360,330	\$ 1,882,355	\$ 1,915,132	\$ 1,665,733	\$ 1,183,096	
Plan Fiduciary Net Position as a Percentage						
of Total Pension Liability	43.38%	37.22%	33.09%	36.16%	44.97%	
Covered Payroll ²	\$ 1,581,950	\$ 1,586,537	\$ 1,662,147	\$ 1,682,633	\$ 1,689,590	
Net Pension Liability as a Percentage of						
Covered Payroll	85.99%	118.65%	115.22%	99.00%	70.02%	

Notes to Schedule:

Concluded on the Following Page

¹ The change in the total pension liability is due to the change in the single discount rate and included as an assumption change. Assumption changes for fiscal 2017 include the impact of new assumption changes adopted by the Board effective Aug. 31, 2017. Assumption changes for fiscal 2020 include the impact of new assumption changes adopted by the Board effective Aug. 31, 2020.

² The covered payroll is the payroll on which contributions to pension plan are based for the measurement period.

³ This schedule is intended to present 10 years of information. Currently only nine years of information are available. Information for future years will be added when it becomes available.

Schedule of Changes in Net Pension Liability and Related Ratios³ (concluded)

Table RSI-3: Law Enforcement and Custodial Officer Supplemental Retirement Plan

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	2018	2017	2016	2015
Total Pension Liability				
Service Cost	\$ 99,390	\$ 71,429	\$ 57,459	\$ 54,528
Interest on the Total Pension Liability	82,236	88,410	87,222	88,025
Difference between Expected and Actual				
Experience of the Total Pension Liability	(17,532)	(21,657)	(9,640)	(76,585)
Assumption Changes ¹	(144,398)	375,371	148,114	68,228
Benefit Payments and Refunds	(69,756)	(64,540)	(61,344)	(57,147)
Net Change in Total Pension Liability	(50,060)	449,013	221,811	77,049
Total Pension Liability – Beginning	2,213,802	1,764,789	1,542,978	1,465,929
Total Pension Liability – Ending	\$ 2,163,742	\$ 2,213,802	\$ 1,764,789	\$ 1,542,978
Plan Fiduciary Net Position				
Contributions – Employer	\$ 26,583	\$ 27,497	\$ 26,728	\$ 27,758
Contributions – Member	9,583	9,539	8,376	8,180
Pension Plan Net Investment Income	99,341	44,831	1,918	111,741
Benefit Payments and Refunds	(69,756)	(64,540)	(61,344)	(57,147)
Pension Plan Administrative Expense	(1,811)	(1,421)	(1,412)	(1,324)
Net Change in Plan Fiduciary Net Position	63,940	15,906	(25,734)	89,208
Plan Fiduciary Net Position – Beginning	860,049	844,143	869,877	780,669
Plan Fiduciary Net Position – Ending	\$ 923,989	\$ 860,049	\$ 844,143	\$ 869,877
Net Pension Liability – Beginning	\$ 1,353,753	\$ 920,646	\$ 673,101	\$ 685,260
Net Pension Liability – Ending	\$ 1,239,753	\$ 1,353,753	\$ 920,646	\$ 673,101
Plan Fiduciary Net Position as a Percentage				
of Total Pension Liability	42.70%	38.85%	47.83%	56.38%
Covered Payroll ²	\$ 1,746,349	\$ 1,725,880	\$ 1,506,028	\$ 1,496,013
Net Pension Liability as a Percentage of				
Covered Payroll	70.99%	78.44%	61.13%	44.99%

¹ The change in the total pension liability is due to the change in the single discount rate and included as an assumption change. Assumption changes for fiscal 2017 include the impact of new assumption changes adopted by the Board effective Aug. 31, 2017. Assumption changes for fiscal 2020 include the impact of new assumption changes adopted by the Board effective Aug. 31, 2020.

² The covered payroll is the payroll on which contributions to pension plan are based for the measurement period.

³ This schedule is intended to present 10 years of information. Currently only nine years of information are available. Information for future years will be added when it becomes available.

Schedule of Changes in Net Pension Liability and Related Ratios³

Table RSI-4: Judicial Retirement System of Texas Plan Two

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	2023		2022		2021		2020		2019	
Total Pension Liability										
Service Cost	\$ 31,4	\$50	37,434	\$	28,965	\$	16,415	\$	16,056	
Interest on the Total Pension Liability	38,2	248	32,800		35,247		36,104		34,440	
Benefit Changes							(1,019)			
Difference between Expected and Actual										
Experience of the Total Pension Liability	(4,7	(69)	(1,793)		(12,695)		26,592		(1,463)	
Assumption Changes ¹	(36,2	200)	(86,361)		113,895		111,656			
Benefit Payments and Refunds	(37,1	.08)	(35,142)		(32,041)		(29,220)		(24,866)	
Net Change in Total Pension Liability	(8,3	379)	(53,062)		133,371		160,528		24,167	
Total Pension Liability – Beginning	728,6	508	781,670		648,299	_	487,771	_	463,604	
Total Pension Liability – Ending	\$ 720,2	229 \$	728,608	\$	781,670	\$	648,299	\$	487,771	
Plan Fiduciary Net Position										
Contributions – Employer	\$ 14,3	\$85 \$	14,322	\$	14,186	\$	13,100	\$	12,560	
Contributions – Member	8,5	576	8,759		8,634		6,463		5,940	
Pension Plan Net Investment Income	(4,2	269)	120,145		30,632		12,832		39,192	
Benefit Payments and Refunds	(37,1		(35,142)		(32,041)		(29,220)		(24,866)	
Pension Plan Administrative Expense	(3	322)	(235)		(273)		(363)		(296)	
Net Change in Plan Fiduciary Net Position	(18,7	738)	107,849		21,138		2,812		32,530	
Plan Fiduciary Net Position – Beginning	585,1		477,331		456,193	_	453,381	_	420,851	
Plan Fiduciary Net Position – Ending	\$ 566,4	\$	585,180	\$	477,331	\$	456,193	\$	453,381	
Net Pension Liability – Beginning	\$ 143,4	\$28	304,339	\$	192,106	\$	34,390	\$	42,753	
Net Pension Liability – Ending	\$ 153,7	<u>\$</u>	143,428	\$	304,339	\$	192,106	\$	34,390	
Plan Fiduciary Net Position as a Percentage										
of Total Pension Liability	78.6	55%	80.31%		61.07%		70.37%		92.95%	
Covered Payroll ²	\$ 90,0)28 \$	89,583	\$	88,579	\$	79,711	\$	78,772	
Net Pension Liability as a Percentage of										
Covered Payroll	170.8	32%	160.11%		343.58%		241.00%		43.66%	

Notes to Schedule:

Concluded on the Following Page

¹ The change in the total pension liability is due to the change in the single discount rate and included as an assumption change. Assumption changes for fiscal 2017 include the impact of new assumption changes adopted by the Board effective Aug. 31, 2017. Assumption changes for fiscal 2020 include the impact of new assumption changes adopted by the Board effective Aug. 31, 2020.

² The covered payroll is the payroll on which contributions to pension plan are based for the measurement period.

³ This schedule is intended to present 10 years of information. Currently only nine years of information are available. Information for future years will be added when it becomes available.

Schedule of Changes in Net Pension Liability and Related Ratios³ (concluded)

Table RSI-4: Judicial Retirement System of Texas Plan Two

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	2018 2017		2016		2015		
Total Pension Liability							
Service Cost	\$	20,420	\$ 19,429	\$	16,244	\$	17,805
Interest on the Total Pension Liability		31,671	30,980		30,786		28,004
Benefit Changes							
Difference between Expected and Actual							
Experience of the Total Pension Liability		5,091	(5,833)		(10,067)		(640)
Assumption Changes ¹		(56,699)	23,396		35,653		(25,924)
Benefit Payments and Refunds		(23,361)	 (21,154)		(19,238)		(16,420)
Net Change in Total Pension Liability		(22,878)	46,818		53,378		2,825
Total Pension Liability – Beginning		486,482	 439,664		386,286		383,461
Total Pension Liability – Ending	\$	463,604	\$ 486,482	\$	439,664	\$	386,286
Plan Fiduciary Net Position							
Contributions – Employer	\$	12,495	\$ 12,374	\$	12,457	\$	12,211
Contributions – Member		6,017	5,754		5,465		5,195
Pension Plan Net Investment Income		44,875	19,862		820		46,186
Benefit Payments and Refunds		(23,361)	(21,155)		(19,238)		(16,420)
Pension Plan Administrative Expense		(295)	 (225)		(284)		(267)
Net Change in Plan Fiduciary Net Position		39,731	16,610		(780)		46,905
Plan Fiduciary Net Position – Beginning		381,120	 364,510		365,290		318,385
Plan Fiduciary Net Position – Ending	\$	420,851	\$ 381,120	\$	364,510	\$	365,290
Net Pension Liability – Beginning	\$	105,362	\$ 75,154	\$	20,996	\$	65,076
Net Pension Liability – Ending	\$	42,753	\$ 105,362	\$	75,154	\$	20,996
Plan Fiduciary Net Position as a Percentage							
of Total Pension Liability		90.78%	78.34%		82.91%		94.56%
Covered Payroll ²	\$	78,190	\$ 78,261	\$	77,501	\$	77,441
Net Pension Liability as a Percentage of			,				
Covered Payroll		54.68%	134.63%		96.97%		27.11%
· ·							

¹ The change in the total pension liability is due to the change in the single discount rate and included as an assumption change. Assumption changes for fiscal 2017 include the impact of new assumption changes adopted by the Board effective Aug. 31, 2017. Assumption changes for fiscal 2020 include the impact of new assumption changes adopted by the Board effective Aug. 31, 2020.

² The covered payroll is the payroll on which contributions to pension plan are based for the measurement period.

³ This schedule is intended to present 10 years of information. Currently only nine years of information are available. Information for future years will be added when it becomes available.

Schedules of Changes in Total Pension Liability and Related Ratios

The measurement date for the information on the schedule of changes in total pension liability and related ratios was the prior fiscal year-end.

The schedules of changes in total pension liability and related ratios for the state's Judicial Retirement System Plan One (JRS1 Plan) and Physician's Referral Service Supplemental Retirement Plan and Retirement Benefit Plan (SRP/RBP) are presented in tables RSI-5 and RSI-6, respectively.

Schedule of Changes in Total Pension Liability and Related Ratios^{3,4}

Table RSI-5: Judicial Retirement System of Texas Plan One

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	2023	2022	2021	2020	2019	2018	2017
Total Pension Liability							
Service Cost	\$ 154	\$ 307	\$ 222	\$ 319	\$ 411	\$ 378	\$ 357
Interest on the Total Pension Liability	4,084	5,142	6,186	9,032	9,071	8,977	11,265
Difference between Expected and Actual							
Experience of the Total Pension Liability	149	(5,425)	(3,862)	(15,327)	(1,643)	(718)	5,488
Assumption Changes ²	(29,717)	7,040	2,195	17,173	(5,968)	(35,858)	26,760
Benefit Payments and Refunds	(17,768)	(18,712)	(19,941)	(21,479)	(23,057)	(24,281)	(25,536)
Net Change in Total Pension Liability	(43,098)	(11,648)	(15,200)	(10,282)	(21,186)	(51,502)	18,334
Total Pension Liability – Beginning	218,226	229,874	245,074	255,356	276,542	328,044	309,710
Total Pension Liability – Ending	\$175,128	\$ 218,226	\$ 229,874	\$ 245,074	\$ 255,356	\$ 276,542	\$ 328,044
Covered Payroll ¹	\$ 0	\$ 140	\$ 180	\$ 335	\$ 449	\$ 591	\$ 577
Total Pension Liability as a Percentage of							
Covered Payroll	N/A	155,875.62%	127,884.19%	73,179.28%	56,868.89%	46,820.01%	56,891.02%

¹ There are currently no contributing members. Historical covered employee payroll is the actual annual payroll for the fiscal year as reported by ERS.

² The change in the total pension liability is due to the change in the single discount rate and included as an assumption change. Assumption changes for fiscal 2017 include the impact of new assumption changes adopted by the Board effective Aug. 31, 2017. Assumption changes for fiscal 2020 include the impact of new assumption changes adopted by the Board effective Aug. 31, 2020.

³ There are no assets accumulated in a trust that meets the criteria in Paragraph 4 of GASB Statement No. 73 to pay related benefits.

⁴ This schedule is intended to present 10 years of information. Currently only seven years of information are available. Information for future years will be added when it becomes available.

Schedule of Changes in Total Pension Liability and Related Ratios^{3, 4}

Table RSI-6: Physicians Referral Service Supplemental Retirement Plan and Retirement Benefit Plan

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	2023	2022	2021
Total Pension Liability			
Service Cost	\$ 40,514	\$ 37,989	\$ 32,368
Interest on the Total Pension Liability	22,719	22,899	28,255
Difference between Expected and Actual			
Experience of the Total Pension Liability	(6,620)		
Assumption Changes ²	(133,970)	5,813	71,350
Benefit Payments and Refunds	(49,856)	(47,006)	(49,249)
Net Change in Total Pension Liability	(127,213)	19,695	82,724
Total Pension Liability – Beginning	1,046,052	1,026,357	943,633
Total Pension Liability – Ending	\$ 918,839	\$1,046,052	\$1,026,357
a in al	A 575.070	ф. 540.501	d 520 (21
Covered Payroll ¹	\$ 575,070	\$ 549,501	\$ 520,631
Total Pension Liability as a Percentage of Covered Payroll	159.78%	190.36%	197.14%

Notes to Schedule:

Fiscal 2023 - 3.59%

Fiscal 2022 - 2.14%

Fiscal 2021 - 2.20%

 $^{^{1}}$ The covered payroll is based on the participants' base salary for the fiscal year.

² Included Changes in Assumptions or Other Inputs: Assumptions changes reflect the changes in the discount rate each period. The following are the discount rates used in each period:

³ There are no assets accumulated in a trust that meets the criteria in Paragraph 4 of GASB Statement No. 73 to pay related benefits.

⁴ This schedule is intended to present 10 years of information. Currently only three years of information are available. Information for future years will be added when it becomes available.

Schedules of Proportionate Share of Net Pension Liability

For each of the fiscal years presented, the measurement date for the information on the schedules of proportionate share of net pension liability was the prior fiscal year-end.

The schedules of proportionate share of the net pension liability for the state's Teacher Retirement System of Texas Plan (TRS Plan) for the state as an employer and as a nonemployer contributing entity are presented in tables RSI-7 and RSI-8, respectively.

Schedule of Proportionate Share of Net Pension Liability²

Table RSI-7: Teacher Retirement System of Texas Plan - State as Employer

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	2023 ¹	2022	2021	2020	2019	2018	2017	2016	2015
State's proportion of the net pension liability	17.87%	16.66%	16.76%	17.65%	16.42%	15.55%	14.86%	14.11%	16.97%
State's proportionate share of the net pension liability	\$ 10,607,952	\$ 4,241,505	\$ 8,974,942	\$ 9,176,758	\$ 9,035,830	\$ 4,974,134	\$ 5,615,188	\$ 4,989,195	\$ 4,534,735
State's covered payroll	\$ 9,411,284	\$ 8,306,727	\$ 8,132,532	\$ 7,984,972	\$ 7,165,045	\$ 6,551,021	\$ 6,054,185	\$ 5,426,660	\$ 6,221,452
State's proportionate share of									
the net pension liability as a percentage of its covered payroll	112.72%	51.08%	110.36%	114.93%	126.11%	75.93%	92.75%	91.94%	72.89%
Plan fiduciary net position as a									
percentage of the total pension liability	75.62%	88.79%	75.54%	75.24%	73.74%	82.17%	78.00%	78.43%	83.25%

Notes to Schedule:

Schedule of Proportionate Share of Net Pension Liability

Table RSI-8: Teacher Retirement System of Texas Plan - State as Nonemployer Contributing Entity

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	2023	2022	2021	2020	2019	2018	2017	2016	2015
State's proportion of the net pension liability	46.15%	50.16%	51.09%	49.65%	50.96%	51.82%	52.74%	53.75%	60.37%
State's proportionate share of the net pension liability	\$ 27,397,910	\$ 12,773,904	\$ 27,362,962	\$ 25,811,347	\$ 28,051,905	\$ 16,568,177	\$ 19,929,042	\$ 18,998,983	\$ 16,129,760
Plan fiduciary net position as a percentage of the total pension liability	75.62%	88.79%	75.54%	75.24%	73.74%	82.17%	78.00%	78.43%	83.25%

¹ This schedule is intended to present 10 years of information. Currently only nine years of information are available. Information for future years will be added when it becomes available.

¹ The state's proportionate share of the net pension liability for the state as an employer consists of \$2,986,032 reported in governmental activity and \$7,621,920 reported in business-type activity.

² This schedule is intended to present 10 years of information. Currently only nine years of information are available. Information for future years will be added when it becomes available.

The schedule of proportionate share of the net pension liability for the Texas Emergency Services Retirement System Plan (TESRS Plan) for the state as a nonemployer contributing entity is presented in table RSI-9.

Schedule of Proportionate Share of Net Pension Liability¹

Table RSI-9: Texas Emergency Services Retirement System Plan - State as Nonemployer Contributing Entity

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	2023	2022	2021	2020	2019	2018	2017	2016	2015
State's proportion of the net pension liability	25.96%	27.69%	28.51%	29.66%	27.75%	32.75%	34.57%	34.66%	33.79%
State's proportionate share of the net pension liability	\$ 10,651	\$ 2,966	\$ 7,188	\$ 8,408	\$ 6,009	\$ 7,860	\$ 10,070	\$ 9,252	\$ 6,140
Plan fiduciary net position as a percentage of the total pension liability	75.20%	93.10%	83.20%	80.20%	84.30%	81.40%	76.30%	76.90%	83.50%

¹ This schedule is intended to present 10 years of information. Currently only nine years of information are available. Information for future years will be added when it becomes available.

Schedules of Employer Contributions Related to Pension

The information on the schedules of employer contributions was determined as of the end of the fiscal years presented.

The schedules of employer contributions comparing the actuarially determined contributions and the contributions recognized by the pension plan in relation to the actuarially determined contributions for the state's ERS, LECOS and JRS2 Plans are presented in tables RSI-10, RSI-11 and RSI-12, respectively.

Schedule of Employer Contributions

Table RSI-10: Employees Retirement System of Texas Plan

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Actuarially determined contributions ¹	\$1,305,086	\$1,259,883	\$ 1,148,701	\$ 985,001	\$ 946,266	\$ 933,915	\$ 713,528	\$ 679,806	\$ 737,111	\$ 727,892
Contributions in relation to the										
actuarially determined contributions	2,205,086	1,259,883	739,573	735,856	712,648	697,189	700,078	686,763	500,395	482,239
Contribution deficiency (excess)	(900,000)	0	409,128	249,145	233,618	236,726	13,450	(6,957)	236,716	245,653
Covered payroll ³	7,856,401	7,205,608	7,188,368	7,158,435	6,947,625	6,811,926	6,859,707	6,742,143	6,150,195	5,955,461
Contributions as a percentage of										
covered payroll ²	28.07%	17.48%	10.29%	10.28%	10.26%	10.23%	10.21%	10.19%	8.14%	8.10%

Notes to Schedule of Contributions

Valuation Date Actuarially determined contribution rates are calculated as of Aug. 31 of the fiscal year. Provisions of the Legacy

Payment structure adopted during the 2021 legislative session were first reflected in diclosures for the 2022 fiscal year.

Methods and Assumptions Used to Determine Contribution Rates

Actuarial Cost Method Entry Age Normal

Amortization Method Level Percentage of Payroll, plus Level Dollar Legacy Payment, Closed

Remaining Amortization Period 31 Year

Asset Valuation Method Marked to market as of Aug. 31, 2017. Future gains and losses each recognized over closed five-year period, with

allowance of direct offsetting of deferrals by subsequent gains or losses.

Inflation 2.30%
Salary Increases 0.0% to 8.8%
Investment Rate of Return 7.00%

Retirement Age Experience-based table of rates that are specific to the class of employee. Updated for the 2020 valuation pursuant

to an experience study of the five-year period from Sept. 1, 2014 through Aug. 31, 2019.

Mortality 2020 State Retirees of Texas mortality table. Generational mortality improvements in accordance with the ultimate

rates from the scale most recently published by Retirement Plans Experience Committee of the Society of Actuaries

(Scale U-MP) and projected from the year 2020. Rates for male LECO members are set forward one year.

Other Information:

Actuarially determined contributions are adjusted for actual payroll and administrative expenses.

² Members and employers contribute based on statutorily fixed rates.

³ The covered payroll is the payroll on which contributions to pension plan are based for the fiscal year being reported.

Schedule of Employer Contributions

Table RSI-11: Law Enforcement and Custodial Officer Supplemental Retirement Plan

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Actuarially determined contributions ¹	\$ 67,838	\$ 62,803	\$ 59,019	\$ 56,679	\$ 54,854	\$ 53,560	\$ 45,332	\$ 43,167	\$ 38,131	\$ 40,205
Contributions in relation to the actuarially determined contributions	24,800	21,428	20,294	22,294	25,864	26,110	26,583	27,497	26,728	27,758
Contribution deficiency	43,038	41,375	38,725	34,385	28,990	27,450	18,749	15,670	11,403	12,447
Covered payroll ³	1,704,482	1,581,950	1,586,537	1,662,147	1,682,633	1,689,590	1,746,349	1,725,880	1,506,028	1,496,013
Contributions as a percentage of covered payroll ²	1.46%	1.35%	1.28%	1.34%	1.54%	1.55%	1.52%	1.59%	1.77%	1.86%

Notes to Schedule of Contributions

Valuation Date Actuarially determined contribution rates are calculated as of Aug. 31 of the fiscal year.

Methods and Assumptions Used to Determine Contribution Rates

Actuarial Cost Method Entry Age Normal

Amortization Method Level Percentage of Payroll, Open

Remaining Amortization Period 31 years

Asset Valuation Method Marked to market as of Aug. 31, 2017. Future gains and losses each recognized over closed five-year period, with

allowance of direct offsetting of deferrals by subsequent gains or losses.

Inflation 2.30%

Salary Increases 3.75% to 8.75%

Investment Rate of Return 7.00%

Retirement Age Experience-based table of rates that are specific to the type of eligibility condition. Last updated for the 2020 valuation

pursuant to an experience study of the five-year period from Sept. 1, 2014 through Aug. 31, 2019.

Mortality 2020 State Retirees of Texas mortality table. Generational mortality improvements in accordance with the ultimate

rates from the scale most recently published by Retirement Plans Experience Committee of the Society of Actuaries

(Scale U-MP) and projected from the year 2020. Rates for male LECO members are set forward one year.

Other Information:

Actuarially determined contributions are adjusted for actual payroll and administrative expenses.

² Members and employers contribute based on statutorily fixed rates.

³ The covered payroll is the payroll on which contributions to pension plan are based for the fiscal year being reported.

Schedule of Employer Contributions

Table RSI-12: Judicial Retirement System of Texas Plan Two

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Actuarially determined contributions ¹	\$ 21,395	\$ 21,346	\$ 21,383	\$ 16,343	\$ 13,057	\$ 12,934	\$ 12,444	\$ 12,896	\$ 13,107	\$ 13,449
Contributions in relation to the										
actuarially determined contributions	14,686	14,385	14,322	14,186	13,100	12,560	12,494	12,374	12,457	12,211
Contribution deficiency (excess)	6,709	6,961	7,061	2,157	(43)	374	(50)	522	650	1,238
Covered payroll ³	91,665	90,028	89,583	88,579	79,711	78,772	78,190	78,261	77,501	77,441
Contributions as a percentage of										
covered payroll ²	16.02%	15.98%	15.99%	16.02%	16.43%	15.94%	15.98%	15.81%	16.07%	15.77%

Notes to Schedule of Contributions

Valuation Date Actuarially determined contribution rates are calculated as of Aug. 31 of the fiscal year.

Methods and Assumptions Used to Determine Contribution Rates

Actuarial Cost Method Entry Age Normal

Amortization Method Level Percentage of Payroll, Open

Remaining Amortization Period 31 years

Asset Valuation Method Marked to market as of Aug. 31, 2017. Future gains and losses each recognized over closed five-year period, with

allowance of direct offsetting of deferrals by subsequent gains or losses.

Inflation 2.30%

Salary Increases 2.30% plus follows state judicial tiered salary schedule as prescribed in Section 659.012

Investment Rate of Return 7.00%

Retirement Age Experience-based table of rates that are specific to the type of eligibility condition. Last updated for the 2020 valuation

pursuant to an experience study of the five-year period from Sept. 1, 2014 through Aug. 31, 2019.

Mortality 2020 State Retirees of Texas mortality table. Generational mortality improvements in accordance with the ultimate

rates from the scale most recently published by Retirement Plans Experience Committee of the Society of Actuaries

(Scale U-MP) and projected from the year 2020.

Other Information:

Actuarially determined contributions are adjusted for actual payroll and administrative expenses.

² Members and employers contribute based on statutorily fixed rates.

³ The covered payroll is the payroll on which contributions to pension plan are based for the fiscal year being reported.

The schedules of employer contributions comparing the statutorily required contributions and the contributions recognized by the pension plan in relation to the statutorily required contributions for the state's TRS Plan for the state as an employer and as a nonemployer contributing entity are presented in tables RSI-13 and RSI-14, respectively.

Schedule of Employer Contributions										
Table RSI-13: Teacher Retirement System of Texas Plan - State as Employer										
For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)										
	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Statutorily required contributions	\$ 962,143	\$ 832,399	\$ 703,233	\$ 683,487	\$612,078	\$ 516,850	\$495,500	\$ 466,216	\$417,698	\$ 430,321
Contributions in relation to the statutorily required contributions	962,143	832,399	703,233	683,487	612,078	516,850	495,500	466,216	417,698	430,321
Contribution deficiency (excess)	0	0	0	0	0	0	0	0	0	C
Covered payroll	10,034,210	8,774,868	8,355,310	8,567,320	7,425,351	6,789,858	6,257,506	5,750,539	5,408,293	6,221,452
Contributions as a percentage of covered payroll	9.59%	9.49%	8.42%	7.98%	8.24%	7.61%	7.92%	8.11%	7.72%	6.929

Schedule of Employer Contributions										
Table RSI-14: Teacher Retirement System of Texas Plan - State as Nonemployer Contributing Entity										
For the Fiscal Year Ended Augus	st 31, 2023 (A	mounts in Th	nousands)							
	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Statutorily required contributions	\$ 2,279,409	\$ 2,153,483	\$ 2,140,553	\$ 2,107,999	\$ 1,737,853	\$1,715,785	\$1,697,963	\$1,675,631	\$1,591,483	\$1,530,624
Contributions in relation to the statutorily required contributions	2,279,409	2,153,483	2,140,553	2,107,999	1,737,853	1,715,785	1,697,963	1,675,631	1,591,483	1,530,624
Contribution deficiency (excess)	0	0	0	0	0	0	0	0	0	0

The schedule of contributions comparing the statutorily required contributions and the contributions recognized by the pension plan in relation to the statutorily required contributions for TESRS plan for the state as a nonemployer contributing entity is presented in table RSI-15.

Schedule of Employer Contributions										
Table RSI-15: Texas Emergency Services Retirement System Plan -										
State as Nonemployer Contributing Entity										
For the Fiscal Year Ended August	31, 2023 (Amounts	in Thous	ands)						
	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Statutorily required contributions	\$ 1,263	\$1,263	\$ 1,329	\$1,329	\$1,329	\$ 1,329	\$1,584	\$ 1,584	\$1,637	\$ 1,530
Contributions in relation to the										
statutorily required contributions ¹	1,263	1,263	1,329	1,329	1,329	1,329	1,584	1,584	1,637	1,530
Contribution deficiency (excess)	0	0	0	0	0	0	0	0	0	0
Notes to Schedule:										

Schedules of Proportionate Share of Net OPEB Liability

For each of the fiscal years presented, the measurement date for the information on the schedules of proportionate share of net OPEB liability was the prior fiscal year-end.

The schedule of proportionate share of the net OPEB liability for the state's Employees Retirement System of Texas State Retiree Health Plan (SRHP) for the state as an employer and as a nonemployer contributing entity is presented in table RSI-16.

Schedule of Proportionate Share of Net OPEB Liability¹

Table RSI-16: State Retiree Health Plan

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	20237	2022 ⁶	2021 ⁵	2020 ⁴	2019³	2018 ²
State as employer proportion of the net OPEB liability	85.19%	85.32%	85.34%	85.41%	85.44%	89.45%
Proportionate Shares of the Net OPEB Liability						
State as employer	\$ 24,266,958	\$30,608,879	\$28,199,026	\$29,518,613	\$25,323,500	\$30,477,926
State as nonemployer contributing entity	1,830,565	2,197,472	2,023,621	2,183,063	1,821,019	1,637,246
Total net OPEB liability recognized by the state	\$ 26,097,523	\$32,806,351	\$30,222,647	\$31,701,676	\$ 27,144,519	\$32,115,172
State's covered-employee payroll	\$10,847,719	\$10,738,672	\$10,799,504	\$10,522,049	\$10,293,511	\$10,506,048
State's proportionate share of the net OPEB liability						
as a percentage of its covered-employee payroll	223.71%	285.03%	261.11%	280.54%	246.01%	290.10%
Die Cheire de Che						
Plan fiduciary net position as a percentage of the total OPEB liability	0.57%	0.38%	0.32%	0.17%	1.30%	2.00%
total OFEB hability	0.3770	0.38%	0.3270	0.1/70	1.30%	2.00%

- ¹ This schedule is intended to present 10 years of information. Currently only six years of information are available. Information for future years will be added when it becomes available.
- ² Changes in assumptions for measurement year ended Aug. 31, 2017 include (a) demographic assumptions (including rates of retirement, disability, termination, and mortality, assumed salary increases and assumed age difference for future retirees and their spouses for select classes of State Agency members), (b) assumed aggregate payroll increases and rate of general inflation,(c) discount rate increased from 2.84% to 3.51%, (d) percentage of current retirees and their spouses not yet eligible to participate in the HealthSelect Medicare Advantage Plan and future retirees and their spouses who will elect to participate in the plan at the earliest date at which coverage can commence, (e) proportion of future retirees covering dependent children, (f) percentage of members assumed to be married and electing coverage for their spouse, and (g) assumptions for Expenses, Assumed Per Capita Health Benefit Costs and Health Benefit Cost Retiree Contribution, and Expense trends.
- ³ Changes in assumptions for measurement year ended Aug. 31, 2018 include (a) demographic assumptions (including rates of retirement, disability, termination, and mortality, and assumed salary increases) for Higher Education members, (b) discount rate increased from 3.51% to 3.96%, (c) percentage of current retirees and their spouses not yet eligible to participate in the HealthSelect Medicare Advantage Plan and future retirees and their spouses who will elect to participate in the plan at the earliest date at which coverage can commence, (d) percentage of members assumed to be married and electing coverage for their spouse, and (e) assumptions for Expenses, Assumed Per Capita Health Benefit Costs and Health Benefit Cost Retiree Contribution, and Expense trends.
- ⁴ Changes in assumptions for measurement year ended Aug. 31, 2019 include (a) discount rate decreased from 3.96% to 2.97%, (b) percentage of current retirees and their spouses not yet eligible to participate in the HealthSelect Medicare Advantage Plan and future retirees and their spouses who will elect to participate in the plan at the earliest date at which coverage can commence, (c) percentage of male members assumed to be married and electing coverage for their spouse, (d) percentage of future retirees and future retiree spouses assumed to use tobacco, and (e) assumptions for Assumed Per Capita Health Benefit Cost and Health Benefit Cost and Retiree Contribution trends.
- ⁵ Changes in assumptions for measurement year ended Aug. 31, 2020 include (a) demographic assumptions (including rates of retirement, termination and mortality and assumed salary increases for select classes of State Agency members), (b) assumed aggregate payroll increases and rate of general inflation, (c) discount rate decreased from 2.97% to 2.20%, (d) percentage of current retirees and their spouses not yet eligible to participate in the HealthSelect Medicare Advantage Plan and future retirees and their spouses who will elect to participate in the plan at the earliest date at which coverage can commence, (e) percentage of female members assumed to be married and electing coverage for their spouse, (f) proportion of future retirees assumed to cover dependent children, (g) assumed PCORI fees and (h) assumptions for Assumed Per Capita Health Benefit Costs and Health Benefit Cost and Retiree Contribution trends.
- ⁶ Changes in assumptions for measurement year ended Aug. 31, 2021 include (a) discount rate decreased from 2.20% to 2.14%, (b) percentage of current retirees and their spouses not yet eligible to participate in the HealthSelect Medicare Advantage Plan and future retirees and their spouses who will elect to participate in the plan at the earliest date at which coverage can commence, (c) percentage of members assumed to be married and electing coverage for their spouse, (d) proportion of future retirees assumed to elect health coverage at retirement and proportion of future retirees expected to receive the Opt-Out Credit at retirement, (e) the percentage of Higher Education vested terminated members assumed to have terminated less than one year before the valuation date, (f) the annual rate of increase in the Patient-Centered Outcomes Research Institute fee payable under the Affordable Care Act and (g) assumptions for Assumed Per Capita Health Benefit Costs and Health Benefit Cost and Retiree Contribution trends. In addition, the assumption for expenses directly related to the payment of GBP HealthSelect medical benefits has been updated to reflect recent contract revisions.
- ⁷ Changes in assumptions and other inputs for measurement year ended Aug. 31, 2022 include (a) discount rate increased from 2.14% to 3.59%, (b) percentage of current retirees and their spouses not yet eligible to participate in the HealthSelect Medicare Advantage Plan and future retirees and their spouses who will elect to participate in the plan at the earliest date at which coverage can commence, (c) proportion of future retirees assumed to elect health coverage at retirement and proportion of future retirees expected to receive the Opt-Out Credit at retirement, (d) demographic assumptions (including rates of retirement, disability, termination, and mortality, and assumed salary increases) for Higher Education members, (e) proportion of future retirees assumed to cover dependent children, (f) the Patient-Centered Outcomes Research Institute fee payable under the Affordable Care Act and (g) assumptions for Assumed Per Capita Health Benefit Costs and Health Benefit Cost and Retiree Contribution trends.

The schedule of proportionate share of the net OPEB liability for the state's Teacher Retirement System of Texas Public School Retired Employees Group Insurance Program (TRS-Care) for the state as a nonemployer contributing entity is presented in table RSI-17.

Schedule of Proportionate Share of Net OPEB Liability³

Table RSI-17: TRS-Care Plan - State as Nonemployer Contributing Entity

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	2023	2022	2021	2020	2019	2018
State's proportion of the net OPEB liability	54.95%	57.26%	57.33%	57.05%	57.43%	58.44%
State's proportionate share of the net OPEB liability ^{1, 2}	\$ 13,157,654	\$ 22,088,083	\$21,795,060	\$ 26,983,897	\$ 28,673,029	\$ 25,413,891
Plan fiduciary net position as a percentage of the total OPEB liability	11.52%	6.18%	4.99%	2.66%	1.57%	0.91%

- 2022 change in assumption assumed a discount rate change from 1.95% as of Aug. 31, 2021 to 3.91% as of Aug. 31, 2022, lower participation rates, and updates to the healthcare trend rate assumption.
- 2021 change in assumption assumed a discount rate change from 2.33% as of Aug. 31, 2020 to 1.95% as of Aug. 31, 2021,
- 2020 change in assumption assumed a discount rate change from 2.63% as of Aug. 31, 2019 to 2.33% as of Aug. 31, 2020, lowering the participation rate assumption for employees who retire after the age of 65, and lowering the ultimate health care trend assumption to reflect the repeal of the excise (Cadillac) tax on high-cost employer health plans.
- 2019 change in assumption assumed a discount rate change from 3.69% as of Aug. 31, 2018 to 2.63% as of Aug. 31, 2019, lower participation rates, and updates to the health care trend assumptions as of Aug. 31, 2019.
- 2018 change in assumption assumed an updated health care trend assumption, revised demographic and economic
 assumptions based on the TRS experience study and a discount rate change from 3.42% as of Aug. 31, 2017 to 3.69% as of
 Aug. 31, 2018.
- 2017 change in assumption assumed a discount rate change from 2.98% as of Aug. 31, 2016 to 3.42% as of Aug. 31, 2017, and assumed Medicare Part D reimbursements will continue (removing the phase out assumption).
- ² Changes of benefit terms effective Jan. 1, 2018, only one health plan option is offered and all retirees are required to contribute monthly premiums for coverage.
- ³ This schedule is intended to present 10 years of information. Currently only six years of information are available. Information for future years will be added when it becomes available.

¹ Changes of assumptions include:

Schedule of Changes in Total OPEB Liability and Related Ratios

The measurement date for the information on the schedule of changes in total OPEB liability and related ratios is presented in each of the following tables for both plans.

The schedule of changes in total OPEB liability and related ratios for the state's Texas A&M University System Retiree Group Insurance Program (A&M Plan) and University of Texas System Employee Group Insurance Program (UT Plan) are presented in tables RSI-18 and RSI-19, respectively.

Schedule of Changes in Total OPEB Liability and Related Ratios^{1,4}

Table RSI-18: Texas A&M University System Plan

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	2023	2022	2021	2020	2019	2018
Measurement Date	Sept. 1, 2022	Sept. 1, 2021	Sept. 1, 2020	Sept. 1, 2019	Sept. 1, 2018	Sept. 1, 2017
Total OPEB Liability						
Service Cost	\$ 234,264	\$ 193,377	\$ 149,149	\$ 127,112	\$ 173,615	\$ 248,902
Interest on the Total OPEB Liability	107,639	101,058	115,360	137,392	163,593	159,723
Changes of benefit terms					(1,050,344)	
Difference between Expected and Actual Experience						
in the measurement of the Total OPEB Liability		(373,018)		(111,380)		(95,295)
Changes of assumptions or other inputs ³	(1,177,391)	552,762	473,101	309,034	(361,071)	(1,128,792)
Benefit Payments (employer) ²	(81,792)	(75,817)	(69,061)	(70,025)	(71,054)	(73,981)
Net Change in Total OPEB Liability	(917,280)	398,362	668,549	392,133	(1,145,261)	(889,443)
Total OPEB Liability – Beginning	4,836,457	4,438,095	3,769,546	3,377,413	4,522,674	5,412,117
Total OPEB Liability – Ending	\$ 3,919,177	\$ 4,836,457	\$ 4,438,095	\$ 3,769,546	\$ 3,377,413	\$ 4,522,674
Covered-Employee Payroll	\$ 1,790,848	\$ 1,738,640	\$ 1,833,341	\$ 1,770,957	\$ 1,619,640	\$ 1,607,611
Total OPEB Liability as a Percentage of Covered-Employee Payroll	218.84%	278.17%	242.08%	212.85%	208.53%	281.33%

Notes to Schedule:

Fiscal 2023 - 3.64%

Fiscal 2022 - 2.14%

Fiscal 2021 - 2.20%

Fiscal 2020 - 2.97%

Fiscal 2019 - 3.96% Fiscal 2018 - 3.51%

Fiscal 2017 - 2.84%

In fiscal 2018, amounts reflect a 1-percentage-point decrease in the assumed rate of general inflation and adjustments to assumptions for expenses, assumed per capita health benefit costs and assumed trend for health benefit costs, retiree contributions and expenses. In fiscal 2019, the Assumed Per Capital Health Benefit Costs were updated to reflected the changes in benefit terms due to the implementation of EGWP plus Wrap. In fiscal 2020, amounts reflect updated assumed rates of retirement, disability, termination and mortality, assumed inflation and salary increases, assumed expenses, assumed per capita health benefit costs and assumed trend for health benefit costs, retiree contributions and expenses. In fiscal 2022, amounts reflect updated assumed rates of participation by eligible terminated employees as a result of A&M System being their last state employer, adjustments to assumptions for expenses, assumed per capital health benefit costs and assumed trend for health benefit costs and retiree contributions.

¹ There are no assets accumulated in a trust that meets the criteria in Paragraph 4 of GASB Statement No. 75 to pay related benefits.

² Included Changes in benefit terms: Adopted in Jan. 2018 and effective Jan. 1, 2019, prescription drug coverage for all Medicare-primary participants is provided through a self-funded Employer Group Waiver Plan with Commercial Wrap (EGWP plus Wrap).

³ Included Changes in Assumptions or Other Inputs: Changes of assumptions and other inputs reflect the changes in the discount rate each period. The following are the discount rates used in each period:

⁴ This schedule is intended to present 10 years of information. Currently only six years of information are available. Information for future years will be added when it becomes available.

Schedule of Changes in Total OPEB Liability and Related Ratios^{1,4}

Table RSI-19: University of Texas System Plan

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	2023	2022	2021 ³	2020	2019	2018
Measurement Date	Dec. 31, 2022	Dec. 31, 2021	Dec. 31, 2020	Dec. 31, 2019	Dec. 31, 2018	Dec. 31, 2017
Total OPEB Liability						
Service Cost	\$ 1,059,373	\$ 864,121	\$ 700,647	\$ 593,495	\$ 692,255	\$ 737,751
Interest on the Total OPEB Liability	388,732	325,444	350,396	556,673	498,239	552,440
Changes of benefit terms	(63,735)					
Difference between Expected and Actual Experience						
in the measurement of the Total OPEB Liability		196,327		(112,255)		(177,101)
Changes of assumptions or other inputs ²	(9,302,804)	2,173,265	1,552,998	601,825	(1,805,442)	(1,012,995)
Benefit Payments (employer)	(249,004)	(221,214)	(187,994)	(191,309)	(193,743)	(177,742)
Net Change in Total OPEB Liability	(8,167,438)	3,337,943	2,416,047	1,448,429	(808,691)	(77,647)
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Total OPEB Liability – Beginning	17,935,545	14,597,602	12,181,555	13,079,604	13,888,295	13,965,942
Total OPEB Liability – Ending	\$ 9,768,107	\$17,935,545	\$14,597,602	\$14,528,033	\$13,079,604	\$13,888,295
Covered-Employee Payroll	\$ 9,812,400	\$ 9,457,442	\$ 6,791,262	\$ 6,425,556	\$ 6,062,198	\$ 5,820,998
Total OPEB Liability as a Percentage of Covered-Employee Payroll	99.55%	189.64%	214.95%	226.10%	215.76%	238.59%

Notes to Schedule:

Fiscal 2023 - 3.72%

Fiscal 2022 - 2.06%

Fiscal 2021 - 2.12%

Fiscal 2020 - 2.74% Fiscal 2019 - 4.10%

Fiscal 2018 - 3.44%

Fiscal 2017 - 3.78%

In fiscal 2018, amounts reflect a 1-percentage-point decrease in the assumed rate of general inflation and adjustments to assumptions for expenses, assumed per capita health benefit costs and assumed trend for health benefit costs, retiree contributions and expenses. In fiscal 2020, amounts reflect updated assumed rates of retirement, disability, termination and mortality, and assumed inflation and salary increases, adjustments to assumptions for expenses, percentage of future retirees assumed to be married and electing coverage for their spouse, proportion of future retirees covering dependent children, percentage of future retirees and future retiree spouses assumed to use tobacco, percentage of future Service Retirees assumed to elect health coverage at retirement and remain covered until death, assumed per capita health benefit costs and retiree contributions. In fiscal 2022, amounts reflect adjustments to assumptions for expenses, assumed per capita health benefit costs and assumed trend for health benefit costs and retiree contributions. In fiscal 2023, amounts reflect adjustments to assumptions for expenses, assumed per capita health benefit costs and assumed trend for health benefit costs.

¹ There are no assets accumulated in a trust that meets the criteria in Paragraph 4 of GASB Statement No. 75 to pay related benefits.

² Included Changes in Assumptions or Other Inputs: Changes of assumptions and other inputs reflect the changes in the discount rate each period. The following are the discount rates used in each period:

³ The Total OPEB Liability (TOL) was revised to reflect changes resulting from data corrections and a related modification to the last state employer assumption for terminated employees eligible for OPEB. The impact of this revision on the TOL was reflected in the fiscal 2020 total OPEB expense.

⁴ This schedule is intended to present 10 years of information. Currently only six years of information are available. Information for future years will be added when it becomes available.

Schedules of Employer Contributions Related to OPEB

The information on the schedules of employer contributions was determined as of the end of the fiscal years presented.

The schedule of employer contributions comparing the statutorily required contributions and the contributions recognized by the OPEB plan in relation to the statutorily required contributions for the SRHP plan for the state as an employer is presented in table RSI-20.

Schedule of Employer Contributions¹

Table RSI-20: State Retiree Health Plan - State as Employer

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	2023	2022	2021	2020	2019	2018	2017
Statutorily required contributions	\$ 660,852	\$ 577,892	\$ 631,381	\$ 614,312	\$ 330,295	\$ 288,822	\$ 837,982
Contributions in relation to the statutorily required contributions	660,852	577,892	631,381	614,312	330,295	288,822	837,982
Contribution deficiency (excess)	0	0	0	0	0	0	0
Covered-employer payroll	11,726,006	10,864,723	10,740,744	10,808,345	10,526,653	10,776,055	10,506,048
Contributions as a percentage of covered-employee payroll	5.64%	5.32%	5.88%	5.68%	3.14%	2.68%	7.98%

¹ This schedule is intended to present 10 years of information. Currently only seven years of information are available. Information for future years will be added when it becomes available.

The schedule of employer contributions comparing the state as a nonemployer contributing entity's proportionate share of the net OPEB liability and contributions recognized in the SRHP plan is presented in table RSI-21.

Schedule of Employer Contributions¹

Table RSI-21: State Retiree Health Plan - State as Nonemployer Contributing Entity

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	2023	2022	2021	2020	2019	2018
State's proportionate share of the net OPEB liability	\$ 1,830,565	\$2,197,472	\$2,023,621	\$ 2,183,063	\$ 1,821,019	\$ 1,637,246
Contributions recognized by the OPEB plan during the fiscal year	\$ 54,188	\$ 45,128	\$ 49,362	\$ 48,140	\$ 19,884	\$ 45,016

¹ This schedule is intended to present 10 years of information. Currently only six years of information are available. Information for future years will be added when it becomes available.

The schedule of contributions comparing the statutorily required contributions and the contributions recognized by the OPEB plan in relation to the statutorily required contributions for TRS-Care plan for the state as a nonemployer contributing entity is presented in table RSI-22.

Schedule of Employer Contributions¹

Table RSI-22: TRS-Care Plan - State as Nonemployer Contributing Entity

For the Fiscal Year Ended August 31, 2023 (Amounts in Thousands)

	2023	2022	2021	2020	2019	2018	2017
Statutorily required contributions	\$495,642	\$ 451,341	\$ 452,858	\$ 666,526	\$ 478,578	\$ 790,189	\$319,320
Contributions in relation to the statutorily required contributions	495,642	451,341	452,858	666,526	478,578	790,189	319,320
Contribution deficiency (excess)	0	0	0	0	0	0	0

¹ This schedule is intended to present 10 years of information. Currently only seven years of information are available. Information for future years will be added when it becomes available.

Significant Factors Affecting the Comparability of Amounts Reported

Pension Plans

The state implemented GASB Statement No. 68, Accounting and Financial Reporting for Pensions, an amendment of GASB Statement No. 27, in fiscal 2015. The state implemented GASB Statement No. 82, Pension Issues-an amendment of GASB Statements No. 67, No. 68, and No. 73, in fiscal 2017. Paragraph 7 of GASB Statement No. 82 is not applicable to the state. All pension schedules related to ERS, LECOS, JRS2, TRS and TESRS plans present information in accordance with the GASB Statement No. 68 and 82 standards. The state implemented GASB Statement No. 73, Accounting and Financial Reporting for Pensions and Related Assets That Are Not within the Scope of GASB Statement 68, and Amendments to Certain Provisions of GASB Statements 67 and 68, in fiscal 2017. The pension schedule for JRS1 plan presents information in

accordance with GASB Statement No. 73. The state implemented GASB Statement No. 97, Certain Component Unit Criteria, and Accounting and Financial Reporting for Internal Revenue Code Section 457 Deferred Compensation Plans—an amendment of GASB Statements No. 14 and No. 84, and a supersession of GASB Statement No. 32, in fiscal 2022. Pension schedules related to the SRP/RBP plan present information in accordance with GASB Statement No. 73 and 97 standards.

More detailed information on each pension plans' actuarial methods, assumptions and benefits may be obtained from Note 9.

OPEB Plans

The state implemented GASB Statement No. 75, Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions, in fiscal 2018.

More detailed information on each OPEB plan's actuarial methods, assumptions and benefits may be obtained from Note 11.