

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Employer Allocations and Schedule of
Pension Amounts by Employer

June 30, 2020

(With Independent Auditors' Report Thereon)

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

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June 30, 2020

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KPMG LLP
515 Broadway
Albany, NY 12207-2974

Independent Auditors' Report

The Retirement Board
New York State Teachers' Retirement System:

We have audited the accompanying schedule of employer allocations of the New York State Teachers' Retirement System (the System) as of and for the year ended June 30, 2020, and the related notes. We have also audited the total for all districts of the columns titled net pension liability (asset), total deferred outflows of resources, total deferred inflows of resources, and total pension expense (specified column totals) included in the accompanying schedule of pension amounts by employer of the System as of and for the year ended June 30, 2020, and the related notes.

Management's Responsibility for the Schedules

Management is responsible for the preparation and fair presentation of these schedules in accordance with

U.S. generally accepted accounting principles; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of the schedules that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express opinions on the schedule of employer allocations and the specified column totals included in the schedule of pension amounts by employer based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the schedule of employer allocations and specified column totals included in the schedule of pension amounts by employer are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the schedule of employer allocations and specified column totals included in the schedule of pension amounts by employer. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the schedule of employer allocations and specified column totals included in the schedule of pension amounts by employer, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the schedule of employer allocations and specified column totals included in the schedule of pension amounts by employer in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the schedule of employer allocations and specified column totals included in the schedule of pension amounts by employer.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.



Opinions

In our opinion, the schedules referred to above present fairly, in all material respects, the employer allocations and net pension liability (asset), total deferred outflows of resources, total deferred inflows of resources, and total pension expense for the total of all participating districts for the New York State Teachers' Retirement System as of and for the year ended June 30, 2020, in accordance with U.S. generally accepted accounting principles.

Other Matter

We have audited, in accordance with auditing standards generally accepted in the United States of America, the financial statements of the New York State Teachers' Retirement System as of and for the year ended June 30, 2020, and our report thereon, dated October 29, 2020, expressed an unmodified opinion on those financial statements.

Restriction on Use

Our report is intended solely for the information and use of the New York State Teachers' Retirement System management, the Retirement Board of the New York State Teachers' Retirement System, New York State Teachers' Retirement System employers and their auditors and is not intended to be and should not be used by anyone other than these specified parties.

KPMG LLP

Albany, New York
December 9, 2020

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Employer Allocations

As of and for the fiscal year ended June 30, 2020

District Code	Required employer contributions	Employer allocation percentage
All districts	\$ 1,503,822,923	100.000000 %
1005	8,349,598	0.555225
1010	2,314,373	0.153899
1015	2,485,086	0.165251
1020	1,582,591	0.105238
1025	2,536,580	0.168675
1030	3,959,255	0.263279
1035	27,346,681	1.818477
1040	2,403,079	0.159798
1045	1,406,580	0.093534
1050	3,547,095	0.235872
1055	1,539,122	0.102347
1060	1,614,834	0.107382
1065	3,208,633	0.213365
1070	2,323,560	0.154510
1075	1,596,767	0.106181
1080	3,199,165	0.212736
1085	1,432,904	0.095284
1090	1,833,627	0.121931
1095	1,051,690	0.069934
1100	1,526,295	0.101494
1105	3,829,669	0.254662
1110	3,006,631	0.199932
1115	847,869	0.056381
1120	6,054,018	0.402575
1125	1,482,353	0.098572
1130	688,565	0.045788
1135	3,346,186	0.222512
1140	5,016,663	0.333594
1145	806,613	0.053637
1150	6,158,482	0.409522
1155	9,072,459	0.603293
1160	10,807,715	0.718683
1165	10,637,086	0.707336
1170	4,791,858	0.318645
1175	2,397,118	0.159402
1180	1,032,826	0.068680
1185	1,099,177	0.073092
1190	1,335,345	0.088797
1195	1,330,767	0.088492
1200	1,302,658	0.086623
1205	2,747,132	0.182677
1210	3,342,092	0.222240
1215	1,511,929	0.100539
1220	2,216,796	0.147411

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As of and for the fiscal year ended June 30, 2020

District Code	Required employer contributions	Employer allocation percentage
1225	\$ 3,526,280	0.234488 %
1230	748,968	0.049804
1235	23,761,757	1.580090
1240	3,409,514	0.226723
1245	3,745,390	0.249058
1250	1,205,121	0.080137
1255	4,086,087	0.271713
1260	7,159,112	0.476061
1265	1,309,710	0.087092
1270	17,250,303	1.147097
1275	1,217,624	0.080969
1280	3,122,467	0.207635
1285	5,522,343	0.367220
1290	2,280,302	0.151634
1295	848,173	0.056401
1300	8,486,725	0.564343
1305	23,094,249	1.535703
2005	1,171,093	0.077874
2006	1,109,512	0.073779
2007	2,971,649	0.197606
2008	2,861,867	0.190306
2009	2,142,583	0.142476
2010	7,071,370	0.470226
2014	903,084	0.060053
2015	2,012,092	0.133798
2016	768,453	0.051100
2018	1,897,377	0.126170
2020	4,935,930	0.328225
2025	3,828,940	0.254614
2030	3,265,962	0.217177
2035	1,077,729	0.071666
2040	6,326,050	0.420665
2044	1,499,882	0.099738
2045	3,617,541	0.240556
2046	2,907,459	0.193338
2047	15,156,306	1.007852
2048	3,366,928	0.223891
2050	2,585,283	0.171914
2052	2,173,528	0.144534
2055	1,901,077	0.126416
2056	2,474,628	0.164556
2057	3,128,714	0.208051
2058	1,923,837	0.127930
2059	3,426,397	0.227846
2060	803,506	0.053431
2061	930,104	0.061849

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As of and for the fiscal year ended June 30, 2020

District Code	Required employer contributions	Employer allocation percentage
2062	\$ 1,519,563	0.101047 %
2063	778,829	0.051790
2064	2,297,925	0.152806
2065	1,943,299	0.129224
2066	4,817,946	0.320380
2067	7,451,054	0.495474
2068	6,673,649	0.443779
2069	897,604	0.059688
2070	1,225,496	0.081492
2071	995,693	0.066211
2072	1,190,390	0.079158
2073	2,479,454	0.164877
2074	2,372,679	0.157777
2075	4,669,697	0.310522
2076	2,891,166	0.192254
2077	840,286	0.055877
2078	7,214,698	0.479757
2079	4,394,480	0.292221
2080	913,694	0.060758
2081	1,226,056	0.081529
2082	669,673	0.044531
2083	1,636,792	0.108842
2084	2,667,281	0.177367
2085	1,348,355	0.089662
2086	4,455,128	0.296254
2090	1,981,049	0.131734
2095	2,044,384	0.135946
2104	1,158,702	0.077050
2105	1,072,206	0.071299
2110	3,026,269	0.201238
2112	2,094,734	0.139294
2115	3,959,218	0.263277
2120	7,823,406	0.520235
2125	763,268	0.050755
2130	1,418,915	0.094354
2135	2,821,901	0.187648
2140	2,454,499	0.163217
2145	3,506,896	0.233199
2146	3,249,225	0.216064
2147	906,106	0.060253
2148	2,326,050	0.154676
2149	1,506,029	0.100147
2150	616,517	0.040997
2155	2,301,639	0.153052
2160	3,999,382	0.265948
2165	1,367,653	0.090945

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District Code	Required employer contributions	Employer allocation percentage
2170	\$ 6,008,370	0.399540 %
2175	555,591	0.036945
2180	1,151,076	0.076543
2185	6,336,437	0.421355
2187	3,135,594	0.208508
2190	4,027,273	0.267802
2191	2,903,327	0.193063
2195	883,323	0.058738
2196	1,026,024	0.068228
2198	2,119,908	0.140968
2200	9,001,274	0.598559
2204	7,855,723	0.522384
2205	257,923	0.017151
2206	1,216,776	0.080912
2207	2,188,456	0.145526
2208	3,921,554	0.260772
2209	8,756,183	0.582262
2210	2,507,600	0.166748
2212	3,144,396	0.209094
2215	4,789,897	0.318515
2220	2,054,416	0.136613
2224	4,182,029	0.278093
2225	7,364,500	0.489719
2230	5,770,119	0.383697
2231	2,880,747	0.191562
2235	633,817	0.042147
2239	2,717,074	0.180678
2240	5,358,425	0.356320
2241	811,242	0.053945
2242	1,394,381	0.092722
2243	1,421,594	0.094532
2244	880,751	0.058567
2245	2,347,671	0.156114
2250	1,336,255	0.088857
2255	4,270,139	0.283952
2260	2,934,750	0.195153
2266	2,428,649	0.161498
2268	1,298,794	0.086366
2270	2,389,443	0.158891
2271	1,647,203	0.109534
2272	2,428,840	0.161511
2275	4,636,993	0.308347
2280	1,502,330	0.099901
2281	897,051	0.059651
2282	3,956,743	0.263112
2285	5,928,746	0.394245

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District Code	Required employer contributions	Employer allocation percentage
2286	\$ 3,153,686	0.209711 %
2288	1,828,183	0.121569
2289	5,981,209	0.397734
2290	3,441,428	0.228845
2295	1,632,443	0.108553
2300	2,979,963	0.198159
2305	807,603	0.053703
2310	8,443,927	0.561497
2315	1,471,310	0.097838
2317	1,446,582	0.096194
2320	5,820,453	0.387044
2325	5,299,149	0.352379
2328	1,134,330	0.075430
2330	3,051,898	0.202943
2335	3,479,836	0.231399
2338	4,727,858	0.314389
2339	1,340,623	0.089148
2340	1,611,159	0.107138
2345	1,968,055	0.130870
2350	5,586,168	0.371464
2355	3,768,389	0.250587
2360	2,807,092	0.186664
2361	1,206,998	0.080262
2362	1,457,224	0.096901
2363	873,329	0.058074
2364	1,773,129	0.117908
2365	8,371,577	0.556686
2370	1,398,549	0.093000
2375	1,103,896	0.073406
2377	1,704,841	0.113367
2378	8,798,639	0.585085
2379	9,069,775	0.603115
2380	3,436,176	0.228496
2381	1,791,908	0.119157
2383	6,371,183	0.423666
2384	3,994,208	0.265604
2385	2,567,495	0.170731
2389	2,393,005	0.159128
2390	4,811,140	0.319927
2391	2,450,249	0.162935
2394	1,677,568	0.111554
2395	1,423,950	0.094689
2396	1,017,342	0.067650
2400	8,633,615	0.574111
2401	2,015,977	0.134057
2402	4,776,045	0.317594

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District Code	Required employer contributions	Employer allocation percentage
2403	\$ 2,306,037	0.153345 %
2405	3,107,240	0.206623
2406	4,084,350	0.271598
2408	4,462,360	0.296734
2409	912,918	0.060706
2410	5,824,124	0.387288
2415	6,228,523	0.414179
2420	3,237,151	0.215261
2425	5,896,607	0.392108
2426	1,653,853	0.109977
2428	3,413,902	0.227015
2430	5,069,642	0.337117
2435	1,293,624	0.086022
2440	2,187,076	0.145434
2441	1,304,855	0.086769
2445	6,660,287	0.442890
2450	2,564,816	0.170553
2455	3,152,994	0.209665
2458	3,070,461	0.204177
2460	1,146,743	0.076255
2464	1,012,440	0.067324
2465	538,092	0.035782
2466	1,252,033	0.083257
2467	1,771,668	0.117811
2468	1,374,746	0.091417
2469	4,134,559	0.274937
2470	3,511,781	0.233524
2471	3,854,563	0.256318
2475	5,786,070	0.384757
2480	1,833,997	0.121956
2485	4,091,207	0.272054
2490	5,995,287	0.398670
2495	778,908	0.051795
2497	1,908,298	0.126896
2498	1,665,712	0.110765
2500	4,864,440	0.323472
2504	2,957,118	0.196640
2505	3,969,898	0.263987
2507	791,089	0.052605
2508	2,124,456	0.141270
2509	3,912,670	0.260182
2510	1,623,813	0.107979
2512	11,398,220	0.757950
2514	1,092,551	0.072652
2515	974,544	0.064804
2520	2,183,139	0.145173

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Schedule of Employer Allocations

As of and for the fiscal year ended June 30, 2020

District Code	Required employer contributions	Employer allocation percentage
2525	\$ 3,134,585	0.208441 %
2530	6,079,523	0.404271
2533	1,491,235	0.099163
2535	1,803,688	0.119940
2540	4,195,329	0.278978
2541	2,583,639	0.171805
2542	1,511,334	0.100499
2545	783,802	0.052121
2547	6,080,676	0.404348
2550	649,459	0.043187
2551	1,025,916	0.068221
2555	1,021,055	0.067897
2557	8,907,408	0.592318
2559	856,886	0.056980
2560	1,077,844	0.071674
2561	3,490,976	0.232140
2562	4,267,142	0.283753
2563	4,551,675	0.302674
2564	6,279,139	0.417545
2565	3,457,555	0.229918
2570	2,445,483	0.162618
2573	2,572,731	0.171079
2574	834,425	0.055487
2575	9,040,301	0.601155
2576	1,803,503	0.119928
2580	4,779,212	0.317804
2582	1,028,020	0.068360
2584	2,840,890	0.188911
2585	9,391,502	0.624509
2590	3,205,591	0.213163
2593	7,799,597	0.518651
2595	606,010	0.040298
2600	1,228,849	0.081715
2605	558,238	0.037121
2610	7,992,083	0.531451
2611	2,203,966	0.146558
2612	2,452,815	0.163105
2613	2,543,529	0.169138
2614	3,095,068	0.205813
2615	8,818,647	0.586415
2616	2,944,335	0.195790
2617	3,294,241	0.219058
2618	801,689	0.053310
2619	1,724,129	0.114650
2620	615,827	0.040951
2625	1,044,710	0.069470

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Schedule of Employer Allocations

As of and for the fiscal year ended June 30, 2020

District Code	Required employer contributions	Employer allocation percentage
2626	\$ 695,326	0.046237 %
2630	868,438	0.057749
2632	1,534,831	0.102062
2633	5,912,660	0.393175
2635	772,661	0.051380
2640	1,974,623	0.131307
2641	1,189,042	0.079068
2642	4,558,627	0.303136
2643	4,415,616	0.293626
2644	3,949,019	0.262599
2645	5,115,692	0.340179
2648	930,495	0.061875
2649	2,089,059	0.138917
2650	476,353	0.031676
2651	7,526,043	0.500461
2652	821,454	0.054624
2653	1,207,753	0.080312
2654	8,022,493	0.533473
2655	4,291,533	0.285375
2656	4,049,962	0.269311
3032	608,760	0.040481
3041	234,156	0.015571
3042	625,891	0.041620
3043	663,028	0.044090
3044	456,777	0.030374
3048	217,503	0.014463
3077	570,467	0.037934
3078	249,043	0.016561
3079	148,583	0.009880
3081	266,941	0.017751
3082	514,575	0.034218
3101	244,424	0.016254
3105	239,429	0.015921
3106	434,989	0.028926
3107	403,068	0.026803
3126	433,326	0.028815
3128	392,215	0.026081
3178	705,512	0.046915
3179	534,685	0.035555
3201	269,688	0.017933
3202	509,721	0.033895
3204	510,947	0.033977
3206	594,231	0.039515
3208	243,835	0.016214
3226	662,220	0.044036
3229	419,844	0.027918

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Employer Allocations

As of and for the fiscal year ended June 30, 2020

District Code	Required employer contributions	Employer allocation percentage
3231	\$ 615,994	0.040962 %
3232	298,290	0.019835
3276	629,122	0.041835
3277	685,801	0.045604
3278	491,406	0.032677
3280	524,966	0.034909
3281	626,193	0.041640
3284	625,903	0.041621
3303	628,388	0.041786
3304	315,753	0.020997
3305	418,906	0.027856
3306	416,431	0.027691
3307	143,608	0.009550
3308	340,718	0.022657
3309	589,454	0.039197
3326	521,158	0.034656
3327	665,209	0.044235
3328	371,640	0.024713
3329	462,684	0.030767
3330	705,694	0.046927
3331	787,737	0.052382
3332	344,661	0.022919
3452	860,453	0.057218
3453	284,583	0.018924
3458	608,619	0.040471
3460	859,873	0.057179
3464	239,422	0.015921
3465	172,790	0.011490
3466	486,920	0.032379
3467	268,424	0.017849
3468	49,880	0.003317
3471	205,866	0.013690
3473	391,360	0.026024
3526	435,310	0.028947
3527	394,335	0.026222
3528	352,428	0.023435
3531	553,810	0.036827
3552	170,018	0.011306
3559	399,149	0.026542
3560	508,526	0.033816
3561	572,592	0.038076
3576	224,293	0.014915
3577	514,166	0.034191
3579	265,561	0.017659
3585	571,499	0.038003
3586	658,532	0.043791

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Schedule of Employer Allocations

As of and for the fiscal year ended June 30, 2020

District Code	Required employer contributions	Employer allocation percentage
3589	\$ 545,004	0.036241 %
3591	225,238	0.014978
3592	529,063	0.035181
3593	994,252	0.066115
3594	230,849	0.015351
3626	1,129,839	0.075131
3629	654,616	0.043530
3630	1,073,765	0.071402
3631	912,363	0.060670
3632	1,656,786	0.110172
3635	1,069,852	0.071142
3636	891,557	0.059286
3658	947,874	0.063031
3679	1,042,345	0.069313
3702	582,553	0.038738
3709	457,298	0.030409
3805	383,336	0.025491
3821	531,892	0.035369
3822	230,602	0.015334
3854	1,114,357	0.074102
3855	598,463	0.039796
3856	111,428	0.007410
3927	670,394	0.044579
3928	298,338	0.019839
3929	589,523	0.039202
3930	551,905	0.036700
3931	736,145	0.048952
3932	575,922	0.038297
3934	107,643	0.007158
3979	396,234	0.026348
3980	322,480	0.021444
3981	275,969	0.018351
3982	121,273	0.008064
3983	259,146	0.017232
3986	289,499	0.019251
3987	202,212	0.013447
3988	236,010	0.015694
3989	184,872	0.012293
3990	264,760	0.017606
3991	311,523	0.020715
3992	282,147	0.018762
3994	535,150	0.035586
3995	281,617	0.018727
3996	221,748	0.014746
3997	248,854	0.016548
3998	234,056	0.015564

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Employer Allocations

As of and for the fiscal year ended June 30, 2020

District Code	Required employer contributions	Employer allocation percentage
3999	\$ 200,432	0.013328 %
4004	128,433	0.008540
4007	193,490	0.012867
4008	75,149	0.004997
4009	1,109,556	0.073782
4010	109,622	0.007290
4014	513,553	0.034150
4015	309,534	0.020583
4020	606,550	0.040334
4021	896,820	0.059636
4022	648,599	0.043130
4027	552,277	0.036725
4028	121,007	0.008047
4029	709,190	0.047159
4030	432,594	0.028766
4031	378,786	0.025188
4034	327,878	0.021803
4036	483,171	0.032130
4101	348,527	0.023176
4104	302,789	0.020135
4124	1,734	0.000115
4126	1,009,686	0.067141
4128	668,811	0.044474
4130	552,377	0.036731
4132	257,676	0.017135
4134	244,630	0.016267
4135	212,151	0.014107
4137	286,924	0.019080
4142	914,447	0.060808
4143	711,573	0.047318
4144	453,492	0.030156
4149	244,474	0.016257
4151	642,821	0.042746
4152	552,256	0.036724
4153	653,883	0.043481
4154	396,124	0.026341
4155	508,356	0.033804
4178	467,141	0.031064
4180	961,545	0.063940
4183	635,630	0.042268
4184	617,304	0.041049
4202	414,835	0.027585
4203	417,264	0.027747
4205	283,531	0.018854
4206	272,879	0.018146
4208	1,404,471	0.093393

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Employer Allocations

As of and for the fiscal year ended June 30, 2020

District Code	Required employer contributions	Employer allocation percentage
4258	\$ 554,903	0.036900 %
4259	452,708	0.030104
4260	724,000	0.048144
4301	1,461,439	0.097182
4351	2,006,080	0.133399
4353	1,266,277	0.084204
4355	2,102,142	0.139787
4356	3,410,725	0.226804
4357	1,529,875	0.101732
4358	1,175,582	0.078173
4360	1,273,461	0.084682
4361	2,266,744	0.150732
4363	1,264,088	0.084058
4364	1,346,737	0.089554
4365	978,923	0.065096
4366	4,715,505	0.313568
4367	7,934,200	0.527602
4368	6,226,658	0.414055
4428	368,746	0.024521
4430	421,469	0.028027
4434	157,094	0.010446
4437	580,970	0.038633
4438	461,100	0.030662
4439	568,964	0.037834
4504	399,797	0.026585
4531	547,259	0.036391
4532	891,644	0.059292
4533	636,225	0.042307
4534	614,079	0.040835
4557	330,544	0.021980
4582	641,229	0.042640
4583	500,705	0.033295
4586	560,260	0.037256
4588	499,795	0.033235
4590	539,182	0.035854
4592	328,866	0.021869
4593	607,473	0.040395
4594	628,444	0.041790
4595	646,405	0.042984
4596	524,247	0.034861
4597	765,126	0.050879
4598	700,491	0.046581
4604	919,233	0.061126
4617	349,890	0.023267
4620	717,072	0.047683
4651	787,035	0.052336

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Employer Allocations

As of and for the fiscal year ended June 30, 2020

District Code	Required employer contributions	Employer allocation percentage
4653	\$ 2,598,671	0.172804 %
4654	2,831,721	0.188302
4662	601,586	0.040004
4663	724,466	0.048175
4679	572,556	0.038073
4680	464,704	0.030902
4701	824,905	0.054854
4703	693,221	0.046097
4704	661,629	0.043996
4705	906,082	0.060252
4854	884,630	0.058825
4855	276,110	0.018361
4857	1,764,710	0.117348
4862	1,584,124	0.105340
4863	1,925,216	0.128021
4877	815,508	0.054229
4879	612,575	0.040735
4883	21,011	0.001397
4884	268,197	0.017834
4885	684,020	0.045485
4890	1,071,415	0.071246
4892	981,643	0.065276
4894	990,977	0.065897
4901	664,068	0.044159
4905	172,413	0.011465
4906	890,366	0.059207
4907	1,377,131	0.091575
4908	387,608	0.025775
4909	1,048,775	0.069741
4910	500,291	0.033268
4976	237,091	0.015766
4978	271,887	0.018080
4979	367,204	0.024418
4980	194,406	0.012927
4981	224,478	0.014927
4982	341,355	0.022699
4983	270,876	0.018012
5001	547,456	0.036404
5002	340,798	0.022662
5003	429,116	0.028535
5026	303,941	0.020211
5027	569,282	0.037856
5028	272,972	0.018152
5076	771,764	0.051320
5078	587,958	0.039098
5102	1,957,214	0.130149

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Employer Allocations

As of and for the fiscal year ended June 30, 2020

District Code	Required employer contributions	Employer allocation percentage
5103	\$ 992,667	0.066010 %
5107	729,521	0.048511
5108	615,001	0.040896
5251	488,516	0.032485
5253	666,211	0.044301
5276	855,486	0.056887
5281	294,652	0.019594
5282	305,593	0.020321
5301	343,219	0.022823
5303	179,213	0.011917
5305	259,828	0.017278
5306	431,982	0.028726
5307	565,085	0.037577
5308	418,883	0.027855
5309	174,189	0.011583
5351	2,451,253	0.163001
5352	27,005	0.001796
5353	281,604	0.018726
5354	805,429	0.053559
5355	1,551,138	0.103146
5356	491,464	0.032681
5357	2,228,144	0.148165
5358	4,636,853	0.308338
5359	412,537	0.027433
5360	287,081	0.019090
5361	2,138,367	0.142195
5362	260,455	0.017320
5363	1,945,941	0.129400
5364	577,978	0.038434
5365	19,514	0.001298
5367	517,390	0.034405
5368	447,988	0.029790
5369	135,937	0.009039
5371	150,700	0.010021
5372	1,103,999	0.073413
5375	1,427,243	0.094908
5376	651,687	0.043335
5379	24,454	0.001626
5380	304,768	0.020266
5403	3,463,029	0.230282
5406	1,446,761	0.096206
5407	2,240,398	0.148980
5408	2,357,242	0.156750
5409	2,864,330	0.190470
5415	1,581,029	0.105134
5416	626,678	0.041672

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Employer Allocations

As of and for the fiscal year ended June 30, 2020

District Code	Required employer contributions	Employer allocation percentage
5418	\$ 2,905,010	0.193175 %
5420	2,765,386	0.183890
5427	143,295	0.009529
5457	2,036,036	0.135391
5458	2,295,991	0.152677
5501	914,920	0.060840
5504	880,895	0.058577
5505	251,581	0.016729
5506	430,920	0.028655
5507	429,853	0.028584
5527	546,738	0.036357
5528	589,082	0.039172
5530	772,127	0.051344
5533	313,123	0.020822
5534	576,332	0.038324
5535	933,469	0.062073
5541	524,955	0.034908
5601	1,371,005	0.091168
5676	378,138	0.025145
5677	326,295	0.021698
5678	380,844	0.025325
5679	736,582	0.048981
5680	679,074	0.045156
5681	336,332	0.022365
5682	437,531	0.029095
5683	637,421	0.042387
5684	260,462	0.017320
5685	399,981	0.026598
5687	770,573	0.051241
5688	265,796	0.017675
5691	120,319	0.008001
5692	623,749	0.041478
5693	181,573	0.012074
5694	156,895	0.010433
5695	154,122	0.010249
5801	2,179,164	0.144908
5806	1,271,634	0.084560
5807	385,859	0.025659
5812	518,324	0.034467
5813	532,145	0.035386
5817	1,755,099	0.116709
5820	528,040	0.035113
5821	828,617	0.055101
5822	969,708	0.064483
5823	265,408	0.017649
6001	2,274,084	0.151220

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Employer Allocations

As of and for the fiscal year ended June 30, 2020

District Code	Required employer contributions	Employer allocation percentage
6005	\$ 1,927,760	0.128191 %
6008	1,773,513	0.117934
6011	938,614	0.062415
6018	845,878	0.056248
6022	874,387	0.058144
6026	1,703,501	0.113278
6027	2,609,594	0.173531
6028	2,224,845	0.147946
6036	372,955	0.024800
6040	690,941	0.045946
6041	981,121	0.065242
6042	867,869	0.057711
6044	1,310,310	0.087132
6048	1,026,274	0.068244
6050	1,259,550	0.083757
6051	3,073,207	0.204360
6052	1,917,188	0.127488
6056	8,571,616	0.569988
6057	1,820,508	0.121059
6061	3,086,526	0.205245
6065	3,684,346	0.244999
6067	1,887,315	0.125501
6068	1,591,299	0.105817
6074	2,157,330	0.143456
6075	1,574,081	0.104672
6078	4,017,795	0.267172
6079	1,748,103	0.116244
6091	7,807,597	0.519183
6093	3,957,610	0.263170
6094	2,545,244	0.169252
6095	968,541	0.064405
6097	779,088	0.051807
6099	1,180,713	0.078514
6104	1,607,687	0.106907
6105	2,802,306	0.186345
6109	2,478,848	0.164836
6507	79,232	0.005269
6511	38,473	0.002558
7000	13,451,233	0.894469
7500	83,120	0.005527
7501	208,275	0.013850
7502	41,378	0.002752
8000	1,416,656	0.094204
8102	321,296	0.021365
8105	353,066	0.023478
8110	661,524	0.043990

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Employer Allocations

As of and for the fiscal year ended June 30, 2020

District Code	Required employer contributions	Employer allocation percentage
8112	\$ 105,102	0.006989 %
8113	156,771	0.010425
8115	166,522	0.011073
8120	640,128	0.042567
8124	1,510,652	0.100454
8129	455,650	0.030299
8130	1,857,859	0.123542
8131	256,299	0.017043
8133	375,281	0.024955
8134	130,566	0.008682
8135	943,356	0.062731
8140	224,916	0.014956
8142	390,106	0.025941
8145	377,576	0.025108
8146	916,819	0.060966
8149	160,166	0.010651
8150	2,139,278	0.142256
8151	863,377	0.057412
8153	332,636	0.022119
8155	537,857	0.035766
8160	606,281	0.040316
8162	179,521	0.011938
8166	2,595,616	0.172601
8167	95,803	0.006371
8168	176,030	0.011705
8169	155,123	0.010315
8170	1,240,231	0.082472
8400	422,010	0.028062
8402	516,791	0.034365
8403	305,037	0.020284
8406	149,171	0.009919
8407	1,157,185	0.076950
8409	627,388	0.041720
8410	342,452	0.022772
8412	496,866	0.033040
8415	509,344	0.033870
8416	181,107	0.012043
8419	471,036	0.031323
8420	333,257	0.022161
8421	270,545	0.017991
8423	142,157	0.009453
8424	115,887	0.007706
8425	332,012	0.022078
8427	52,708	0.003505
8428	424,263	0.028212
8429	198,475	0.013198

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Employer Allocations

As of and for the fiscal year ended June 30, 2020

District Code	Required employer contributions	Employer allocation percentage
8430	\$ 236,294	0.015713 %
8431	294,599	0.019590
8432	234,975	0.015625
8433	114,596	0.007620
8434	226,404	0.015055
8435	155,018	0.010308
8436	428,176	0.028473
8437	181,360	0.012060

See accompanying notes to schedule of employer allocations and schedule of pension amounts by employer.

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Pension Amounts by Employer

As of and for the fiscal year ended June 30, 2020

District code	Net pension liability (asset)	Deferred outflows of resources				Deferred inflows of resources				Pension expense			
		Differences between expected and actual experience	Net difference between projected and actual investment earnings on pension plan investments	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred outflows of resources	Differences between expected and actual experience	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred inflows of resources	Proportionate share of allocable plan pension expense	Net amortization of deferred amounts from changes in proportion and differences between employer contributions and proportionate share of contributions	Total pension expense
All Districts	\$ 2,763,270,835	2,421,178,169	1,804,658,092	3,494,894,477	188,135,427	7,908,866,165	141,612,317	1,245,747,278	188,135,427	1,575,495,022	3,727,814,187	—	3,727,814,187
1005	15,342,365	13,442,982	10,019,909	19,404,521	205,733	43,073,145	786,267	6,916,698	2,401,895	10,104,860	20,697,749	(682,500)	20,015,248
1010	4,252,655	3,726,176	2,777,356	5,378,618	205,318	12,087,469	217,940	1,917,196	256,293	2,391,429	5,737,080	3,775	5,740,855
1015	4,566,339	4,001,027	2,982,220	5,775,357	886,342	13,644,945	234,016	2,058,613	455,709	2,748,338	6,160,259	84,903	6,245,163
1020	2,908,007	2,547,996	1,899,184	3,677,952	78,974	8,204,107	149,030	1,310,998	165,201	1,625,229	3,923,072	(14,047)	3,909,026
1025	4,660,959	4,083,933	3,044,015	5,895,029	31,942	13,054,919	238,865	2,101,270	496,032	2,836,167	6,287,907	(101,919)	6,185,988
1030	7,275,120	6,374,461	4,751,291	9,201,334	12,186	20,339,272	372,836	3,279,795	588,511	4,241,142	9,814,563	(140,818)	9,673,745
1035	50,249,458	44,028,580	32,817,301	63,553,870	3,126,236	143,525,987	2,575,188	22,653,634	7,426,055	32,654,877	67,789,462	(1,385,695)	66,403,767
1040	4,415,652	3,868,995	2,883,808	5,584,772	132,839	12,470,414	226,294	1,990,679	215,323	2,432,296	5,956,973	888	5,957,861
1045	2,584,587	2,264,616	1,687,962	3,268,902	128,926	7,350,406	132,455	1,165,193	313,907	1,611,555	3,486,760	(42,260)	3,444,500
1050	6,517,778	5,710,878	4,256,681	8,243,472	254,804	18,465,834	334,024	2,938,367	329,822	3,602,213	8,792,864	2,541	8,795,405
1055	2,828,132	2,478,010	1,847,018	3,576,929	515,381	8,417,338	144,936	1,274,988	46,881	1,466,805	3,815,316	82,183	3,897,498
1060	2,967,253	2,599,907	1,937,876	3,752,884	292,353	8,583,020	152,066	1,337,707	274,781	1,764,554	4,002,997	(4,076)	3,998,922
1065	5,895,855	5,165,949	3,850,510	7,456,884	494,658	16,968,000	302,151	2,657,990	183,043	3,143,184	7,953,854	98,703	8,052,556
1070	4,269,536	3,740,968	2,788,382	5,399,970	392,555	12,321,875	218,806	1,924,807	72,904	2,216,516	5,759,855	82,493	5,842,347
1075	2,934,055	2,570,819	1,916,195	3,710,897	212,449	8,410,360	150,365	1,322,741	79,032	1,552,137	3,958,212	14,344	3,972,556
1080	5,878,458	5,150,706	3,839,148	7,434,881	380,312	16,805,048	301,260	2,650,147	165,028	3,116,434	7,930,384	65,001	7,995,385
1085	2,632,957	2,306,997	1,719,552	3,330,078	228,793	7,585,419	134,934	1,186,999	230,835	1,552,767	3,552,013	(10,108)	3,541,905
1090	3,369,285	2,952,168	2,200,439	4,261,362	349,687	9,763,656	172,669	1,518,953	217,307	1,908,929	4,545,363	50,801	4,596,165
1095	1,932,478	1,693,237	1,262,077	2,444,134	170,317	5,569,766	99,036	871,206	453,150	1,423,392	2,607,025	(33,265)	2,573,761
1100	2,804,564	2,457,359	1,831,626	3,547,121	180,889	8,016,995	143,729	1,264,363	432,578	1,840,670	3,783,521	(77,156)	3,706,365
1105	7,037,008	6,165,827	4,595,783	8,900,177	204,483	19,866,271	360,633	3,172,448	640,919	4,174,000	9,493,336	(79,019)	9,414,317
1110	5,524,676	4,840,722	3,608,098	6,987,430	337,776	15,774,025	283,129	2,490,654	74,563	2,848,346	7,453,112	117,265	7,570,377
1115	1,557,957	1,365,082	1,017,483	1,970,453	553,791	4,906,810	79,842	702,364	151,356	933,562	2,101,776	57,547	2,159,323
1120	11,124,242	9,747,062	7,265,105	14,069,578	587,684	31,669,429	570,096	5,015,069	1,109,922	6,695,087	15,007,254	(160,039)	14,847,216
1125	2,723,820	2,386,611	1,778,893	3,444,998	283,098	7,682,600	139,591	1,227,962	252,123	1,619,676	3,674,592	(32,246)	3,642,347
1130	1,265,237	1,108,600	826,310	1,600,230	16,499	3,551,640	64,841	570,398	222,141	857,380	1,706,878	(39,855)	1,667,024
1135	6,148,608	5,387,411	4,015,580	7,776,558	162,145	17,341,695	315,104	2,771,937	208,306	3,295,347	8,294,833	28,963	8,323,796
1140	9,218,106	8,076,905	6,020,231	11,658,759	926,509	26,682,405	472,410	4,155,738	183,572	4,811,720	12,435,765	192,760	12,628,525
1145	1,482,149	1,298,659	967,973	1,874,573	—	4,141,206	75,957	668,187	183,158	927,303	1,999,506	(42,528)	1,956,977
1150	11,316,196	9,915,252	7,390,468	14,312,354	221,230	31,839,304	579,933	5,101,606	2,039,220	7,720,759	15,266,211	(325,556)	14,940,655
1155	16,670,620	14,606,799	10,887,376	21,084,455	1,129,279	47,707,909	854,337	7,515,506	564,663	8,934,506	22,489,643	16,114	22,505,757
1160	19,859,149	17,400,588	12,969,765	25,117,201	390,134	55,877,689	1,017,743	8,952,970	1,088,438	11,059,151	26,791,155	(78,703)	26,712,452
1165	19,545,618	17,125,873	12,765,002	24,720,658	283,399	54,894,932	1,001,675	8,811,623	1,580,307	11,393,605	26,368,184	(210,128)	26,158,056
1170	8,805,027	7,714,966	5,750,455	11,136,310	272,240	24,873,970	451,241	3,969,513	651,596	5,072,349	11,878,497	(23,437)	11,855,060
1175	4,404,699	3,859,397	2,876,654	5,570,919	438,411	12,745,382	225,732	1,985,741	116,247	2,327,721	5,942,197	82,474	6,024,670
1180	1,897,815	1,662,866	1,239,440	2,400,294	895,325	6,197,925	97,259	855,580	171,453	1,124,292	2,560,264	111,654	2,671,918
1185	2,019,735	1,769,692	1,319,064	2,554,494	430,725	6,073,975	103,508	910,544	109,042	1,123,093	2,724,740	63,330	2,788,070
1190	2,453,692	2,149,925	1,602,476	3,103,350	80,726	6,936,477	125,747	1,106,182	107,749	1,339,678	3,310,175	6,345	3,316,520
1195	2,445,280	2,142,555	1,596,982	3,092,710	274,155	7,106,403	125,316	1,102,390	132,001	1,359,706	3,298,826	14,472	3,313,298
1200	2,393,631	2,097,300	1,563,251	3,027,387	133,765	6,821,703	122,669	1,079,105	25,689	1,227,463	3,229,149	19,155	3,248,304
1205	5,047,849	4,422,926	3,296,688	6,384,354	839,886	14,943,853	258,693	2,275,689	795,319	3,329,700	6,809,844	133,683	6,943,527

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Pension Amounts by Employer

As of and for the fiscal year ended June 30, 2020

District code	Deferred outflows of resources					Deferred inflows of resources					Pension expense		
	Net pension liability (asset)	Differences between expected and actual experience	Net difference between projected and actual investment earnings on pension plan investments	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred outflows of resources	Differences between expected and actual experience	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred inflows of resources	Proportionate share of allocable plan pension expense	Net amortization of deferred amounts from changes in proportion and differences between employer contributions and proportionate share of contributions	Total pension expense
1210	\$ 6,141,085	5,380,820	4,010,667	7,767,044	534	17,159,064	314,719	2,768,545	854,723	3,937,987	8,284,684	(191,137)	8,093,547
1215	2,778,166	2,434,230	1,814,386	3,513,734	438,771	8,201,121	142,376	1,252,462	6,752	1,401,590	3,747,909	102,302	3,850,211
1220	4,073,357	3,569,076	2,660,259	5,151,848	196,797	11,577,980	208,752	1,836,365	47,483	2,092,599	5,495,197	46,039	5,541,236
1225	6,479,530	5,677,365	4,231,701	8,195,098	1,095,912	19,200,077	332,063	2,921,124	994,546	4,247,734	8,741,266	112,500	8,853,766
1230	1,376,226	1,205,850	898,797	1,740,606	79,064	3,924,317	70,529	620,435	112,852	803,816	1,856,610	(467)	1,856,143
1235	43,662,168	38,256,796	28,515,224	55,222,481	9,244,255	131,238,756	2,237,602	19,683,929	4,735,262	26,656,793	58,902,822	732,688	59,635,510
1240	6,264,973	5,489,370	4,091,577	7,923,733	1,221,143	18,725,822	321,068	2,824,397	397,872	3,543,337	8,451,815	106,563	8,558,378
1245	6,882,144	6,030,135	4,494,643	8,704,310	125,967	19,355,055	352,697	3,102,632	1,434,934	4,890,262	9,284,415	(310,077)	8,974,338
1250	2,214,408	1,940,264	1,446,202	2,800,710	11,754	6,198,930	113,484	988,307	716,625	1,828,416	2,987,366	(140,523)	2,846,842
1255	7,508,175	6,578,664	4,903,497	9,496,094	13,075	20,991,330	384,780	3,384,862	507,316	4,276,958	10,128,968	(125,063)	10,003,905
1260	13,154,850	11,526,281	8,591,271	16,637,824	155,332	36,910,708	674,161	5,930,515	1,433,186	8,037,862	17,746,664	(302,696)	17,443,967
1265	2,406,588	2,108,653	1,571,713	3,043,774	9,918	6,734,058	123,333	1,084,947	242,808	1,451,088	3,246,629	(51,288)	3,195,341
1270	31,697,388	27,773,255	20,701,173	40,089,819	833,445	89,397,692	1,624,430	14,289,926	3,113,029	19,027,385	42,761,633	(819,195)	41,942,438
1275	2,237,381	1,960,394	1,461,206	2,829,767	35,212	6,286,578	114,661	1,008,664	237,650	1,360,975	3,018,358	(48,638)	2,969,720
1280	5,737,526	5,027,220	3,747,107	7,256,634	244,379	16,275,341	294,037	2,586,611	273,113	3,153,761	7,740,258	(16,301)	7,723,957
1285	10,147,291	8,891,057	6,627,070	12,833,961	980,023	29,332,111	520,029	4,574,637	896,689	5,991,355	13,689,290	(42,645)	13,646,645
1290	4,190,049	3,671,321	2,736,469	5,299,437	156,811	11,864,038	214,732	1,888,972	403,002	2,506,707	5,652,621	(28,568)	5,624,054
1295	1,558,517	1,365,572	1,017,848	1,971,161	91,518	4,446,099	79,871	702,616	46,951	829,438	2,102,530	2,997	2,105,527
1300	15,594,336	13,663,759	10,184,469	19,723,206	240,763	43,812,197	799,180	7,030,292	1,006,035	8,835,507	21,037,673	(188,774)	20,848,899
1305	42,435,625	37,182,098	27,714,183	53,671,189	95,108	118,662,579	2,174,744	19,130,975	2,243,343	23,549,062	57,248,143	(583,667)	56,664,476
2005	2,151,881	1,885,478	1,405,367	2,721,629	282,528	6,295,001	110,280	970,118	5,982	1,086,380	2,903,013	65,917	2,968,931
2006	2,038,726	1,786,332	1,331,467	2,578,514	101,072	5,797,384	104,481	919,105	64,426	1,088,013	2,750,361	7,472	2,757,833
2007	5,460,397	4,784,401	3,566,118	6,906,132	517,297	15,773,947	279,835	2,461,675	466,720	3,208,230	7,366,396	(38,367)	7,328,028
2008	5,258,673	4,607,650	3,434,375	6,650,998	21,098	14,714,121	269,497	2,370,733	554,972	3,195,202	7,094,258	(109,945)	6,984,313
2009	3,936,990	3,449,591	2,571,200	4,979,376	185,763	11,185,931	201,763	1,774,887	108,339	2,084,990	5,311,230	10,714	5,321,944
2010	12,993,624	11,385,015	8,485,976	16,433,910	296,654	36,601,555	665,898	5,857,830	339,029	6,862,757	17,529,160	20,118	17,549,278
2014	1,659,415	1,453,979	1,083,743	2,098,773	153,841	4,790,337	85,042	748,103	25,114	858,259	2,238,648	40,274	2,278,921
2015	3,697,214	3,239,499	2,414,605	4,676,115	233,052	10,563,272	189,475	1,666,791	284,191	2,140,457	4,987,758	(22,258)	4,965,501
2016	1,412,030	1,237,221	922,179	1,785,889	300,010	4,245,300	72,364	636,576	101,499	810,439	1,904,911	51,725	1,956,637
2018	3,486,426	3,054,807	2,276,942	4,409,517	123,334	9,864,600	178,673	1,571,763	189,589	1,940,024	4,703,393	(26,818)	4,676,575
2020	9,069,759	7,946,923	5,923,348	11,471,134	448,545	25,789,950	464,808	4,088,860	94,912	4,648,580	12,235,636	93,180	12,328,816
2025	7,035,667	6,164,652	4,594,907	8,898,481	—	19,658,041	360,564	3,171,844	340,453	3,872,861	9,491,527	(100,096)	9,391,431
2030	6,001,197	5,258,249	3,919,307	7,590,117	146,996	16,914,670	307,550	2,705,480	160,888	3,173,918	8,095,966	27,603	8,123,569
2035	1,980,325	1,735,161	1,293,326	2,504,650	50,304	5,583,440	101,488	892,777	90,765	1,085,029	2,671,574	(9,961)	2,661,613
2040	11,624,100	10,185,038	7,591,557	14,701,782	97,964	32,576,340	595,713	5,240,417	1,219,842	7,055,972	15,681,592	(284,233)	15,397,359
2044	2,756,029	2,414,833	1,799,929	3,485,735	20,649	7,721,146	141,241	1,242,483	403,057	1,786,780	3,718,045	(132,608)	3,585,436
2045	6,647,222	5,824,296	4,341,218	8,407,188	209,700	18,782,403	340,657	2,996,723	293,597	3,630,978	8,967,491	(26,242)	8,941,250
2046	5,342,449	4,681,055	3,489,088	6,756,955	424,279	15,351,376	273,790	2,408,501	33,715	2,716,007	7,207,277	78,361	7,285,638
2047	27,849,675	24,401,888	18,188,279	35,223,357	36,061	77,849,585	1,427,242	12,555,286	1,792,460	15,774,989	37,570,842	(434,681)	37,136,161
2048	6,186,722	5,420,806	4,040,472	7,824,763	650,977	17,937,019	317,058	2,789,119	277,559	3,383,736	8,346,250	102,576	8,448,826
2050	4,750,451	4,162,345	3,102,461	6,008,214	230,288	13,503,309	243,451	2,141,615	124,663	2,509,729	6,408,636	22,200	6,430,837
2052	3,993,853	3,499,414	2,608,336	5,051,294	721,604	11,880,648	204,677	1,800,522	304,196	2,309,396	5,387,941	45,706	5,433,647
2055	3,493,224	3,060,763	2,281,382	4,418,116	459,179	10,219,440	179,021	1,574,827	56,341	1,810,190	4,712,564	100,557	4,813,121

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Pension Amounts by Employer

As of and for the fiscal year ended June 30, 2020

District code	Deferred outflows of resources					Deferred inflows of resources					Pension expense		
	Net pension liability (asset)	Differences between expected and actual experience	Net difference between projected and actual investment earnings on pension plan investments	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred outflows of resources	Differences between expected and actual experience	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred inflows of resources	Proportionate share of allocable plan pension expense	Net amortization of deferred amounts from changes in proportion and differences between employer contributions and proportionate share of contributions	Total pension expense
2056	\$ 4,547,123	3,984,190	2,969,670	5,751,052	204,709	12,909,620	233,031	2,049,950	200,133	2,483,114	6,134,335	(144)	6,134,191
2057	5,749,003	5,037,277	3,754,603	7,271,151	488,787	16,551,818	294,625	2,591,786	219,518	3,105,929	7,755,742	61,940	7,817,683
2058	3,535,046	3,097,408	2,308,695	4,471,011	295,854	10,172,968	181,164	1,593,682	49,339	1,824,185	4,768,984	48,205	4,817,189
2059	6,295,996	5,516,553	4,111,838	7,962,970	41,660	17,633,021	322,658	2,838,383	770,524	3,931,564	8,493,668	(166,006)	8,327,662
2060	1,476,441	1,293,658	964,245	1,867,354	322,246	4,447,503	75,665	665,614	145,773	887,052	1,991,805	16,919	2,008,724
2061	1,709,064	1,497,482	1,116,169	2,161,569	176,646	4,951,866	87,586	770,486	62,121	920,193	2,305,628	33,976	2,339,604
2062	2,792,193	2,446,520	1,823,547	3,531,474	255,614	8,057,155	143,095	1,258,786	375,843	1,777,723	3,766,832	(18,467)	3,748,365
2063	1,431,097	1,253,927	934,632	1,810,005	6,093	4,004,658	73,341	645,172	139,174	857,687	1,930,634	(37,217)	1,893,417
2064	4,222,431	3,699,694	2,757,618	5,340,392	356,653	12,154,358	216,391	1,903,571	—	2,119,962	5,696,307	96,637	5,792,944
2065	3,570,808	3,128,742	2,332,050	4,516,240	251,243	10,228,276	182,997	1,609,804	8,097	1,800,898	4,817,229	78,197	4,895,425
2066	8,852,963	7,756,967	5,781,761	11,196,938	655,209	25,390,875	453,697	3,991,123	114,428	4,559,248	11,943,166	79,126	12,022,291
2067	13,691,293	11,996,312	8,941,614	17,316,299	937,609	39,191,834	701,652	6,172,356	1,039,889	7,913,897	18,470,356	(92,713)	18,377,643
2068	12,262,814	10,744,679	8,008,692	15,509,605	682,569	34,945,546	628,446	5,528,364	676,079	6,832,889	16,543,254	(19,293)	16,523,960
2069	1,649,344	1,445,156	1,077,167	2,086,037	91,015	4,699,374	84,526	743,563	172,610	1,000,699	2,225,062	(46,913)	2,178,150
2070	2,251,846	1,973,067	1,470,653	2,848,061	161,416	6,453,197	115,403	1,015,185	45,394	1,175,982	3,037,872	23,632	3,061,504
2071	1,829,584	1,603,081	1,194,879	2,313,997	203,908	5,315,865	93,763	824,819	68,707	987,289	2,468,215	28,008	2,496,220
2072	2,187,339	1,916,546	1,428,524	2,766,474	66,350	6,177,894	112,097	986,104	91,980	1,190,181	2,950,848	473	2,951,320
2073	4,555,991	3,991,960	2,975,462	5,762,268	236,875	12,966,565	233,486	2,053,948	334,684	2,622,117	6,146,299	7,160	6,153,459
2074	4,359,792	3,820,051	2,847,327	5,514,123	746,736	12,928,236	223,431	1,965,497	33,994	2,222,922	5,881,615	135,764	6,017,380
2075	8,580,557	7,518,285	5,603,856	10,852,408	893,732	24,868,281	439,737	3,868,316	207,208	4,515,261	11,575,674	214,770	11,790,444
2076	5,312,510	4,654,822	3,469,535	6,719,088	182,095	15,025,540	272,256	2,395,004	341,669	3,008,929	7,166,887	(50,094)	7,116,793
2077	1,544,024	1,352,874	1,008,383	1,952,831	17,798	4,331,886	79,128	696,082	112,674	887,884	2,082,979	(23,370)	2,059,608
2078	13,256,989	11,615,775	8,657,976	16,767,005	1,970,320	39,011,075	679,395	5,976,561	249,455	6,905,412	17,884,454	330,122	18,214,576
2079	8,074,846	7,075,181	5,273,582	10,212,801	78,590	22,640,154	413,820	3,640,330	558,824	4,612,974	10,893,440	(127,705)	10,765,735
2080	1,678,911	1,471,062	1,096,476	2,123,431	265,727	4,956,696	86,041	756,892	33,889	876,823	2,264,949	59,671	2,324,619
2081	2,252,875	1,973,969	1,471,325	2,849,362	62,117	6,356,772	115,455	1,015,649	101,578	1,232,682	3,039,260	(7,057)	3,032,203
2082	1,230,522	1,078,184	803,639	1,556,324	76,928	3,515,075	63,062	554,748	12,303	630,113	1,660,047	14,974	1,675,020
2083	3,007,601	2,635,260	1,964,227	3,803,915	72,449	8,475,852	154,134	1,355,897	135,726	1,645,757	4,057,430	(22,427)	4,035,003
2084	4,901,122	4,294,364	3,200,863	6,198,779	237,812	13,931,817	251,173	2,209,541	318,156	2,778,869	6,611,901	(22,098)	6,589,803
2085	2,477,599	2,170,872	1,618,089	3,133,586	21,472	6,944,019	126,972	1,116,960	143,898	1,387,830	3,342,426	(22,239)	3,320,186
2086	8,186,287	7,172,825	5,346,363	10,353,748	513,881	23,386,817	419,531	3,690,570	87,049	4,197,151	11,043,780	77,659	11,121,440
2090	3,640,173	3,189,520	2,377,352	4,603,972	169,805	10,340,650	186,552	1,641,075	69,737	1,897,364	4,910,807	29,245	4,940,052
2095	3,756,550	3,291,490	2,453,357	4,751,162	1,466	10,497,475	192,516	1,693,541	435,282	2,321,339	5,067,806	(93,106)	4,974,701
2104	2,129,111	1,865,527	1,390,496	2,692,830	230,602	6,179,456	109,113	959,853	366,969	1,435,935	2,872,296	(6,457)	2,865,838
2105	1,970,176	1,726,269	1,286,698	2,491,814	161,530	5,666,311	100,968	888,202	340,084	1,329,254	2,657,883	(19,117)	2,638,766
2110	5,560,762	4,872,340	3,631,665	7,033,069	200,122	15,737,196	284,978	2,506,922	134,124	2,926,025	7,501,793	14,425	7,516,218
2112	3,849,068	3,372,553	2,513,779	4,868,175	242,154	10,996,661	197,257	1,735,250	169,846	2,102,354	4,623,518	42,634	4,666,152
2115	7,275,054	6,374,403	4,751,248	9,201,250	1,782,935	22,109,837	372,833	3,279,765	10,553	3,663,150	9,814,474	438,040	10,252,514
2120	14,375,489	12,595,805	9,388,455	18,181,648	418,928	40,584,836	736,716	6,480,808	203,394	7,420,917	19,393,377	48,678	19,442,055
2125	1,402,503	1,228,873	915,958	1,773,840	200,847	4,119,518	71,876	632,281	105,177	809,334	1,892,059	2,404	1,894,463
2130	2,607,252	2,284,475	1,702,764	3,297,567	296,400	7,581,207	133,617	1,175,410	2,637	1,311,664	3,517,336	74,864	3,592,200
2135	5,185,236	4,543,304	3,386,414	6,558,117	137,846	14,625,680	265,733	2,337,626	292,018	2,895,377	6,995,187	(25,425)	6,969,762
2140	4,510,135	3,951,781	2,945,514	5,704,271	100,613	12,702,179	231,136	2,033,275	234,931	2,499,341	6,084,436	(42,902)	6,041,534

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Pension Amounts by Employer

As of and for the fiscal year ended June 30, 2020

District code	Deferred outflows of resources					Deferred inflows of resources					Pension expense		
	Net pension liability (asset)	Differences between expected and actual experience	Net difference between projected and actual investment earnings on pension plan investments	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred outflows of resources	Differences between expected and actual experience	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred inflows of resources	Proportionate share of allocable plan pension expense	Net amortization of deferred amounts from changes in proportion and differences between employer contributions and proportionate share of contributions	Total pension expense
2145	\$ 6,443,913	5,646,157	4,208,440	8,150,050	227,694	18,232,341	330,238	2,905,067	104,002	3,339,308	8,693,216	31,557	8,724,773
2146	5,970,443	5,231,302	3,899,222	7,551,220	1,915,029	18,596,774	305,974	2,691,616	154,214	3,151,804	8,054,477	439,081	8,493,558
2147	1,664,967	1,458,844	1,087,369	2,105,795	157,370	4,809,378	85,326	750,606	63,455	899,387	2,246,137	28,600	2,274,737
2148	4,274,111	3,744,976	2,791,369	5,405,755	17,218	11,959,318	219,040	1,926,869	405,452	2,551,362	5,766,026	(87,802)	5,678,224
2149	2,767,324	2,424,729	1,807,305	3,500,021	100,333	7,832,388	141,820	1,247,574	82,484	1,471,879	3,733,282	21,778	3,755,060
2150	1,132,848	992,601	739,849	1,432,789	9,331	3,174,570	58,056	510,714	81,957	650,728	1,528,278	(12,771)	1,515,507
2155	4,229,255	3,705,674	2,762,074	5,349,023	65,184	11,881,955	216,741	1,906,647	138,384	2,261,772	5,705,513	(8,818)	5,696,695
2160	7,348,855	6,439,967	4,799,446	9,294,591	1,062,967	21,596,071	376,615	3,313,036	390,810	4,080,460	9,914,035	159,479	10,073,514
2165	2,513,059	2,201,943	1,641,248	3,178,435	138,099	7,159,725	128,789	1,132,946	121,687	1,383,423	3,390,264	890	3,391,154
2170	11,040,364	9,673,568	7,210,326	13,963,492	608,977	31,456,363	565,797	4,977,255	151,237	5,694,290	14,894,098	131,994	15,026,092
2175	1,020,897	894,510	666,736	1,291,198	71,952	2,924,395	52,319	460,244	38,748	551,312	1,377,250	10,007	1,387,257
2180	2,115,100	1,853,251	1,381,346	2,675,109	91,072	6,000,778	108,395	953,537	52,886	1,114,817	2,853,394	12,021	2,865,415
2185	11,643,187	10,201,762	7,604,022	14,725,922	772,422	33,304,128	596,691	5,249,022	121,781	5,967,494	15,707,342	165,925	15,873,267
2187	5,761,645	5,048,354	3,762,859	7,287,140	7,916	16,106,270	295,273	2,597,485	364,933	3,257,691	7,772,797	(77,630)	7,695,167
2190	7,400,103	6,483,971	4,832,916	9,359,408	816,307	21,492,603	379,241	3,336,140	2,162	3,717,543	9,983,173	198,036	10,181,209
2191	5,334,856	4,674,401	3,484,128	6,747,351	354,452	15,260,333	273,401	2,405,078	241,202	2,919,681	7,197,033	15,482	7,212,515
2195	1,623,103	1,422,163	1,060,029	2,052,848	78,276	4,613,316	83,181	731,733	76,481	891,395	2,189,661	(4,900)	2,184,762
2196	1,885,317	1,651,915	1,231,277	2,384,487	66,187	5,333,866	96,619	849,945	144,684	1,091,248	2,543,403	(18,778)	2,524,625
2198	3,895,325	3,413,084	2,543,989	4,926,679	125,197	11,008,949	199,628	1,756,104	172,522	2,128,254	5,255,021	(30,384)	5,224,637
2200	16,539,818	14,492,190	10,801,951	20,919,020	1,087,221	47,300,382	847,634	7,456,538	529,575	8,833,747	22,313,183	169,643	22,482,826
2204	14,434,871	12,647,836	9,427,236	18,256,752	1,264,350	41,596,175	739,759	6,507,578	66,592	7,313,930	19,473,487	324,046	19,797,533
2205	473,933	415,260	309,520	599,415	55,145	1,379,341	24,288	213,660	132,024	369,973	639,364	(10,459)	628,904
2206	2,235,823	1,959,029	1,460,189	2,827,796	107,157	6,354,170	114,582	1,007,962	101,644	1,224,187	3,016,256	5,511	3,021,767
2207	4,021,283	3,523,449	2,626,250	5,085,987	479,826	11,715,512	206,083	1,812,889	186,447	2,205,419	5,424,946	74,544	5,499,490
2208	7,205,845	6,313,762	4,706,049	9,113,717	84,770	20,218,298	369,286	3,248,564	786,252	4,404,102	9,721,107	(187,478)	9,533,629
2209	16,089,464	14,097,590	10,507,831	20,349,428	1,194,680	46,149,528	824,554	7,253,508	331,332	8,409,394	21,705,629	237,077	21,942,706
2210	4,607,709	4,037,275	3,009,238	5,827,679	—	12,874,192	236,136	2,077,263	486,977	2,800,376	6,216,069	(120,040)	6,096,029
2212	5,777,821	5,062,527	3,773,423	7,307,598	213,292	16,356,840	296,102	2,604,777	242,331	3,143,210	7,794,618	(31,700)	7,762,918
2215	8,801,423	7,711,808	5,748,101	11,131,752	180,252	24,771,913	451,056	3,967,888	581,676	5,000,620	11,873,635	(46,297)	11,827,338
2220	3,774,984	3,307,641	2,465,396	4,774,476	15,876	10,563,389	193,461	1,701,851	518,453	2,413,765	5,092,675	(98,124)	4,994,550
2224	7,684,467	6,733,131	5,018,631	9,719,063	51,482	21,522,307	393,814	3,464,338	253,515	4,111,668	10,366,796	(41,564)	10,325,232
2225	13,532,249	11,856,958	8,837,745	17,115,146	1,323,876	39,133,726	693,502	6,100,655	149,782	6,943,939	18,255,797	420,348	18,676,145
2230	10,602,579	9,289,981	6,924,414	13,409,795	2,329,876	31,954,065	543,362	4,779,891	683,539	6,006,792	14,303,500	474,086	14,777,586
2231	5,293,365	4,638,047	3,457,031	6,694,875	459,472	15,249,425	271,275	2,386,373	113,214	2,770,861	7,141,059	79,441	7,220,500
2235	1,164,637	1,020,455	760,610	1,472,994	61,999	3,316,057	59,685	525,045	134,871	719,602	1,571,163	(17,593)	1,553,570
2239	4,992,616	4,374,531	3,260,616	6,314,497	298,637	14,248,281	255,862	2,250,788	1,588	2,508,239	6,735,332	74,419	6,809,751
2240	9,846,093	8,627,148	6,430,362	12,453,016	290,294	27,800,820	504,593	4,438,850	934,302	5,877,745	13,282,956	(74,694)	13,208,262
2241	1,490,655	1,306,112	973,529	1,885,332	91,394	4,256,367	76,393	672,022	26,802	775,217	2,010,982	22,930	2,033,912
2242	2,562,171	2,244,974	1,673,322	3,240,550	286,937	7,445,783	131,306	1,155,087	56,560	1,342,953	3,456,519	74,942	3,531,460
2243	2,612,175	2,288,788	1,705,979	3,303,793	211,074	7,509,634	133,869	1,177,630	26,354	1,337,853	3,523,977	53,790	3,577,767
2244	1,618,377	1,418,022	1,056,942	2,046,871	110,540	4,632,375	82,939	729,602	195,838	1,008,379	2,183,286	(4,749)	2,178,536
2245	4,313,840	3,779,787	2,817,316	5,456,004	100,410	12,153,517	221,076	1,944,780	329,294	2,495,151	5,819,623	(81,269)	5,738,354
2250	2,455,366	2,151,392	1,603,569	3,105,466	42,752	6,903,179	125,833	1,106,936	79,069	1,311,838	3,312,432	(22,984)	3,289,449

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Pension Amounts by Employer

As of and for the fiscal year ended June 30, 2020

District code	Deferred outflows of resources						Deferred inflows of resources				Pension expense		
	Net pension liability (asset)	Differences between expected and actual experience	Net difference between projected and actual investment earnings on pension plan investments	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred outflows of resources	Differences between expected and actual experience	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred inflows of resources	Proportionate share of allocable plan pension expense	Net amortization of deferred amounts from changes in proportion and differences between employer contributions and proportionate share of contributions	Total pension expense
2255	\$ 7,846,369	6,874,989	5,124,367	9,923,830	152,810	22,075,996	402,111	3,537,327	264,946	4,204,385	10,585,211	(50,467)	10,534,744
2260	5,392,596	4,724,993	3,521,838	6,820,379	422,857	15,490,067	276,360	2,431,109	8,270	2,715,739	7,274,928	115,641	7,390,568
2266	4,462,637	3,910,163	2,914,493	5,644,197	171,414	12,640,267	228,702	2,011,861	45,551	2,286,114	6,020,358	24,182	6,044,541
2268	2,386,530	2,091,078	1,558,613	3,018,405	371,654	7,039,751	122,305	1,075,904	84,078	1,282,287	3,219,569	81,212	3,300,781
2270	4,390,596	3,847,040	2,867,444	5,553,082	80,491	12,348,057	225,010	1,979,383	267,200	2,471,593	5,923,171	(52,624)	5,870,547
2271	3,026,732	2,652,023	1,976,721	3,828,111	67,671	8,524,526	155,114	1,364,522	198,274	1,717,910	4,083,239	(24,077)	4,059,162
2272	4,462,987	3,910,470	2,914,722	5,644,640	328,970	12,798,802	228,720	2,012,019	33,331	2,274,070	6,020,831	65,490	6,086,321
2275	8,520,462	7,465,630	5,564,609	10,776,402	351,695	24,158,335	436,657	3,841,224	204,937	4,482,818	11,494,602	83,619	11,578,222
2280	2,760,527	2,418,774	1,802,866	3,491,424	148,718	7,861,782	141,472	1,244,510	156,774	1,542,756	3,724,113	(16,322)	3,707,791
2281	1,648,330	1,444,267	1,076,504	2,084,753	127,195	4,732,718	84,474	743,106	40,444	868,023	2,223,693	12,269	2,235,962
2282	7,270,506	6,370,418	4,748,278	9,195,498	1,015,446	21,329,640	372,599	3,277,715	—	3,650,314	9,808,338	268,882	10,077,221
2285	10,894,056	9,545,373	7,114,774	13,778,446	321,898	30,760,491	558,299	4,911,296	623,046	6,092,641	14,696,720	(36,950)	14,659,770
2286	5,794,890	5,077,483	3,784,571	7,329,187	368,758	16,559,999	296,977	2,612,472	66,946	2,976,395	7,817,646	91,825	7,909,471
2288	3,359,282	2,943,404	2,193,906	4,248,710	275,071	9,661,091	172,157	1,514,443	—	1,686,600	4,531,869	77,107	4,608,976
2289	10,990,457	9,629,840	7,177,732	13,900,371	590,446	31,298,388	563,240	4,954,756	458,078	5,976,073	14,826,771	129,277	14,956,048
2290	6,323,615	5,540,752	4,129,875	7,997,901	—	17,668,528	324,073	2,850,834	631,914	3,806,821	8,530,927	(152,437)	8,378,491
2295	2,999,611	2,628,259	1,959,009	3,793,810	15,244	8,396,321	153,724	1,352,295	497,238	2,003,257	4,046,651	(102,215)	3,944,435
2300	5,475,675	4,797,787	3,576,096	6,925,454	1,883,145	17,182,482	280,618	2,468,563	—	2,749,180	7,387,006	485,997	7,873,004
2305	1,483,969	1,300,254	969,162	1,876,875	30,394	4,176,685	76,051	669,008	105,764	850,822	2,001,961	(21,304)	1,980,657
2310	15,515,695	13,594,853	10,133,109	19,623,743	1,850,237	45,201,942	795,150	6,994,839	—	7,789,988	20,931,581	430,509	21,362,090
2315	2,703,528	2,368,832	1,765,641	3,419,334	157,388	7,711,195	138,551	1,218,814	196,978	1,554,342	3,647,218	(5,979)	3,641,239
2317	2,658,090	2,329,019	1,735,966	3,361,866	40,176	7,467,027	136,222	1,198,329	180,229	1,514,780	3,585,920	(25,018)	3,560,901
2320	10,695,068	9,371,019	6,984,817	13,526,771	775,712	30,658,320	548,102	4,821,587	269,615	5,639,304	14,428,273	122,829	14,551,101
2325	9,737,173	8,531,712	6,359,228	12,315,258	300,243	27,506,440	499,011	4,389,746	308,145	5,196,902	13,136,017	(28,059)	13,107,958
2328	2,084,328	1,826,288	1,361,249	2,636,190	286,065	6,109,792	106,818	939,664	52,225	1,098,706	2,811,881	45,095	2,856,976
2330	5,607,855	4,913,603	3,662,421	7,092,632	336,298	16,004,954	287,392	2,528,153	352,977	3,168,521	7,565,325	(14,507)	7,550,818
2335	6,394,190	5,602,590	4,175,967	8,087,162	97,564	17,963,283	327,690	2,882,651	162,749	3,373,090	8,626,137	(39,731)	8,586,406
2338	8,687,427	7,611,924	5,673,651	10,987,573	292,428	24,565,576	445,214	3,916,496	103,674	4,465,384	11,719,848	20,976	11,740,824
2339	2,463,390	2,158,423	1,608,810	3,115,616	374,613	7,257,462	126,244	1,110,554	243,375	1,480,173	3,323,258	13,100	3,336,358
2340	2,960,501	2,593,991	1,933,467	3,744,345	56,706	8,328,510	151,720	1,334,663	208,633	1,695,016	3,993,889	(47,890)	3,945,999
2345	3,616,295	3,168,598	2,361,758	4,573,772	283,699	10,387,827	185,328	1,630,311	144,572	1,960,211	4,878,594	16,400	4,894,994
2350	10,264,570	8,993,817	6,703,664	12,982,292	396,324	29,076,097	526,039	4,627,509	733,706	5,887,255	13,847,506	(99,076)	13,748,430
2355	6,924,405	6,067,165	4,522,244	8,757,761	649,216	19,996,386	354,862	3,121,684	162,909	3,639,455	9,341,428	90,344	9,431,773
2360	5,158,025	4,519,462	3,368,643	6,523,701	185,400	14,597,206	264,339	2,325,359	121,483	2,711,180	6,958,478	(2,399)	6,956,079
2361	2,217,857	1,943,286	1,448,455	2,805,072	142,398	6,339,211	113,661	999,862	118,461	1,231,983	2,992,018	848	2,992,867
2362	2,677,645	2,346,152	1,748,737	3,386,597	19,900	7,501,387	137,224	1,207,145	234,068	1,578,437	3,612,299	(46,401)	3,565,898
2363	1,604,740	1,406,073	1,048,036	2,029,623	130,130	4,613,862	82,240	723,454	57,990	863,684	2,164,888	21,247	2,186,135
2364	3,258,121	2,854,766	2,127,838	4,120,764	70,687	9,174,056	166,972	1,468,837	332,206	1,968,015	4,395,396	(52,401)	4,342,994
2365	15,382,751	13,478,368	10,046,285	19,455,600	1,309,927	44,290,180	788,336	6,934,905	949,474	8,672,715	20,752,232	22,867	20,775,100
2370	2,569,830	2,251,685	1,678,324	3,250,237	121,633	7,301,880	131,699	1,158,540	75,680	1,365,919	3,466,851	4,722	3,471,573
2375	2,028,406	1,777,289	1,324,727	2,565,461	301,096	5,968,573	103,952	914,453	82,362	1,100,766	2,736,438	33,415	2,769,854
2377	3,132,641	2,744,820	2,045,889	3,962,062	277,373	9,030,144	160,542	1,412,268	267,225	1,840,035	4,226,116	29,760	4,255,876
2378	16,167,476	14,165,944	10,558,779	20,448,095	252,006	45,424,824	828,552	7,288,677	541,878	8,659,107	21,810,872	(103,626)	21,707,246

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Pension Amounts by Employer

As of and for the fiscal year ended June 30, 2020

District code	Deferred outflows of resources						Deferred inflows of resources				Pension expense			
	Net pension liability (asset)	Differences between expected and actual experience	Net difference between projected and actual investment earnings on pension plan investments	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred outflows of resources	Differences between expected and actual experience	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred inflows of resources	Proportionate share of allocable plan pension expense	Net amortization of deferred amounts from changes in proportion and differences between employer contributions and proportionate share of contributions	Total pension expense	
2379	\$ 16,665,689	14,602,479	10,884,156	21,078,218	134,284	46,699,137	854,085	7,513,284	1,139,817	9,507,185	22,482,991	(227,643)	22,255,348	
2380	6,313,965	5,532,297	4,123,573	7,985,697	583,209	18,224,775	323,579	2,846,484	180,215	3,350,277	8,517,909	104,373	8,622,282	
2381	3,292,626	2,884,999	2,150,373	4,164,405	494,354	9,694,131	168,741	1,484,393	317,631	1,970,764	4,441,945	(5,006)	4,436,939	
2383	11,707,032	10,257,702	7,645,718	14,806,671	348,458	33,058,550	599,963	5,277,804	559,335	6,437,103	15,793,472	22,679	15,816,151	
2384	7,339,346	6,430,736	4,793,237	9,282,565	182,766	20,689,303	376,127	3,308,749	622,622	4,307,499	9,901,208	(174,776)	9,726,432	
2385	4,717,766	4,133,707	3,081,115	5,966,877	477,559	13,659,258	241,776	2,126,880	93,018	2,461,674	6,364,543	86,993	6,451,536	
2389	4,397,140	3,852,775	2,871,718	5,561,359	470,099	12,755,951	225,345	1,982,334	379,069	2,586,748	5,932,000	34,585	5,966,585	
2390	8,840,457	7,746,010	5,773,594	11,181,121	815,818	25,516,542	453,056	3,985,485	326,397	4,764,939	11,926,295	156,890	12,083,184	
2391	4,502,326	3,944,939	2,940,414	5,694,395	288,099	12,867,846	230,736	2,029,754	250,522	2,511,012	6,073,902	46,763	6,120,664	
2394	3,082,526	2,700,910	2,013,160	3,898,678	160,630	8,773,378	157,974	1,389,675	93,785	1,641,434	4,158,508	16,743	4,175,251	
2395	2,616,504	2,292,581	1,708,806	3,309,268	89,934	7,400,590	134,091	1,179,581	151,251	1,464,923	3,529,817	(9,998)	3,519,819	
2396	1,869,364	1,637,937	1,220,859	2,364,311	305,411	5,528,517	95,801	842,753	191,402	1,129,956	2,521,882	1,711	2,523,593	
2400	15,864,246	13,900,253	10,360,743	20,064,578	536,788	44,862,363	813,012	7,151,974	1,601,594	9,566,580	21,401,796	(108,374)	21,293,423	
2401	3,704,353	3,245,755	2,419,267	4,685,145	202,993	10,553,160	189,841	1,670,009	297,184	2,157,034	4,997,389	6,221	5,003,610	
2402	8,775,970	7,689,506	5,731,478	11,099,560	412,051	24,932,594	449,752	3,956,413	258,134	4,664,299	11,839,298	32,690	11,871,988	
2403	4,237,337	3,712,755	2,767,352	5,359,245	72,708	11,912,061	217,155	1,910,291	244,231	2,371,677	5,716,415	(40,456)	5,675,960	
2405	5,709,546	5,002,705	3,728,834	7,221,247	37,752	15,990,537	292,603	2,573,997	567,002	3,433,602	7,702,512	(124,140)	7,578,372	
2406	7,504,983	6,575,867	4,901,412	9,492,057	288,312	21,257,647	384,616	3,383,422	381,187	4,149,226	10,124,661	(73,361)	10,051,300	
2408	8,199,576	7,184,469	5,355,042	10,370,555	83,101	22,993,167	420,212	3,696,561	834,977	4,951,751	11,061,708	(147,346)	10,914,361	
2409	1,677,484	1,469,812	1,095,544	2,121,627	150,144	4,837,126	85,968	756,249	202,379	1,044,596	2,263,024	(3,920)	2,259,104	
2410	10,701,814	9,376,930	6,989,222	13,535,303	192,569	30,094,025	548,447	4,824,628	1,145,761	6,518,837	14,437,373	(142,575)	14,294,798	
2415	11,444,896	10,028,019	7,474,520	14,475,130	1,228,986	33,206,655	586,529	5,159,627	340,681	6,086,837	15,439,835	179,839	15,619,674	
2420	5,948,257	5,211,864	3,884,733	7,523,161	145,396	16,765,154	304,837	2,681,614	268,312	3,254,763	8,024,547	(36,110)	7,988,437	
2425	10,835,000	9,493,628	7,076,205	13,703,754	1,446,698	31,720,285	555,273	4,884,672	51,121	5,491,066	14,617,050	401,497	15,018,547	
2426	3,038,951	2,662,729	1,984,701	3,843,566	418,936	8,909,932	155,740	1,370,030	31,364	1,557,135	4,099,723	98,332	4,198,055	
2428	6,273,036	5,496,434	4,096,842	7,933,930	124,033	17,651,240	321,481	2,828,032	199,121	3,348,634	8,462,692	(20,284)	8,442,408	
2430	9,315,454	8,162,201	6,083,808	11,781,881	115,830	26,143,720	477,399	4,199,625	422,765	5,099,789	12,567,092	(64,286)	12,502,807	
2435	2,377,030	2,082,754	1,552,409	3,006,390	289,917	6,931,470	121,818	1,071,621	86,839	1,280,278	3,206,753	35,008	3,241,761	
2440	4,018,746	3,521,226	2,624,594	5,082,779	294,818	11,523,416	205,953	1,811,745	100,707	2,118,405	5,421,524	72,794	5,494,319	
2441	2,397,667	2,100,836	1,565,887	3,032,491	45,769	6,744,982	122,876	1,080,924	109,827	1,313,628	3,234,593	(12,968)	3,221,625	
2445	12,238,261	10,723,166	7,992,658	15,478,552	247,466	34,441,842	627,187	5,517,295	1,054,081	7,198,564	16,510,131	(113,530)	16,396,602	
2450	4,712,842	4,129,393	3,077,899	5,960,649	25,191	13,193,132	241,524	2,124,660	217,417	2,583,601	6,357,900	(57,636)	6,300,265	
2455	5,793,618	5,076,369	3,783,741	7,327,579	362,002	16,549,690	296,912	2,611,899	286,515	3,195,326	7,815,930	6,489	7,822,420	
2458	5,641,965	4,943,490	3,684,698	7,135,772	526,099	16,290,059	289,140	2,543,530	113,209	2,945,879	7,611,341	102,425	7,713,765	
2460	2,107,137	1,846,273	1,376,145	2,665,038	114,130	6,001,586	107,987	949,947	89,096	1,147,030	2,842,651	934	2,843,585	
2464	1,860,355	1,630,043	1,214,975	2,352,916	74,235	5,272,170	95,340	838,692	3,759	937,791	2,509,728	19,089	2,528,817	
2465	988,743	866,336	645,736	1,250,529	98,062	2,860,664	50,671	445,748	46,399	542,818	1,333,872	17,910	1,351,781	
2466	2,300,607	2,015,792	1,502,498	2,909,732	304,110	6,732,132	117,902	1,037,167	271,759	1,426,828	3,103,653	(27,903)	3,075,750	
2467	3,255,436	2,852,413	2,126,085	4,117,368	236,038	9,331,904	166,835	1,467,627	73,226	1,707,688	4,391,773	21,586	4,413,359	
2468	2,526,092	2,213,362	1,649,759	3,194,918	401,807	7,459,846	129,457	1,138,821	—	1,268,279	3,407,846	95,428	3,503,273	
2469	7,597,241	6,656,703	4,961,664	9,608,742	179,088	21,406,197	389,344	3,425,014	445,916	4,260,275	10,249,123	(16,253)	10,232,869	
2470	6,452,889	5,654,022	4,214,302	8,161,403	594,535	18,624,262	330,698	2,909,114	164,282	3,404,093	8,705,325	91,984	8,797,309	
2471	7,082,749	6,205,906	4,625,656	8,958,029	414,268	20,203,859	362,977	3,193,069	13,496	3,569,543	9,555,044	109,532	9,664,576	

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Pension Amounts by Employer

As of and for the fiscal year ended June 30, 2020

District code	Deferred outflows of resources						Deferred inflows of resources				Pension expense			
	Net pension liability (asset)	Differences between expected and actual experience	Net difference between projected and actual investment earnings on pension plan investments	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred outflows of resources	Differences between expected and actual experience	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred inflows of resources	Proportionate share of allocable plan pension expense	Net amortization of deferred amounts from changes in proportion and differences between employer contributions and proportionate share of contributions	Total pension expense	
2475	\$ 10,631,889	9,315,662	6,943,556	13,446,865	844,876	30,550,959	544,864	4,793,105	145,100	5,483,069	14,343,041	172,166	14,515,207	
2480	3,369,965	2,952,764	2,200,883	4,262,222	422,913	9,838,782	172,704	1,519,259	27,006	1,718,970	4,546,281	92,348	4,638,629	
2485	7,517,582	6,586,906	4,909,640	9,507,992	505,715	21,510,253	385,262	3,389,102	958,982	4,733,345	10,141,659	(198,204)	9,943,455	
2490	11,016,325	9,652,505	7,194,626	13,933,087	104,399	30,884,618	564,565	4,966,418	157,712	5,688,695	14,861,668	12,821	14,874,489	
2495	1,431,241	1,254,054	934,726	1,810,187	68,503	4,067,470	73,348	645,237	146,003	864,589	1,930,828	(32,302)	1,898,526	
2497	3,506,493	3,072,390	2,290,048	4,434,898	269,627	10,066,962	179,701	1,580,809	25,958	1,786,468	4,730,465	60,097	4,790,562	
2498	3,060,742	2,681,823	1,998,933	3,871,126	259,251	8,811,132	156,857	1,379,854	51,060	1,587,772	4,129,120	43,835	4,172,955	
2500	8,938,396	7,831,823	5,837,556	11,304,990	111,784	25,086,153	458,076	4,029,638	386,644	4,874,358	12,058,419	(58,930)	11,999,490	
2504	5,433,697	4,761,006	3,548,681	6,872,362	336,519	15,518,568	278,467	2,449,638	633,090	3,361,195	7,330,376	(117,595)	7,212,781	
2505	7,294,677	6,391,596	4,764,063	9,226,068	559,855	20,941,583	373,838	3,288,611	38,239	3,700,688	9,840,946	127,155	9,968,101	
2507	1,453,624	1,273,665	949,344	1,838,496	32,866	4,094,371	74,495	655,328	93,751	823,575	1,961,024	(11,482)	1,949,542	
2508	3,903,682	3,420,407	2,549,447	4,937,249	385,622	11,292,724	200,056	1,759,871	102,082	2,062,010	5,266,296	74,462	5,340,758	
2509	7,189,522	6,299,460	4,695,388	9,093,072	343,823	20,431,743	368,449	3,241,205	120,937	3,730,591	9,699,086	57,310	9,756,397	
2510	2,983,752	2,614,364	1,948,651	3,773,752	148,117	8,484,883	152,912	1,345,145	109,337	1,607,394	4,025,256	33,264	4,058,520	
2512	20,944,201	18,351,311	13,678,399	26,489,540	1,902,354	60,421,604	1,073,350	9,442,137	720,098	11,235,585	28,254,954	454,490	28,709,444	
2514	2,007,559	1,759,024	1,311,112	2,539,095	209,555	5,818,786	102,884	905,055	199,291	1,207,230	2,708,315	14,051	2,722,365	
2515	1,790,721	1,569,030	1,169,498	2,264,846	199,280	5,202,654	91,771	807,299	229,227	1,128,297	2,415,788	7,971	2,423,759	
2520	4,011,512	3,514,888	2,619,869	5,073,630	128,727	11,337,113	205,582	1,808,484	55,338	2,069,404	5,411,765	14,717	5,426,482	
2525	5,759,791	5,046,730	3,761,649	7,284,795	230,701	16,323,874	295,178	2,596,649	178,660	3,070,487	7,770,296	9,616	7,779,911	
2530	11,171,107	9,788,125	7,295,712	14,128,851	518,423	31,731,111	572,498	5,036,197	241,078	5,849,773	15,070,478	93,591	15,164,069	
2533	2,740,141	2,400,912	1,789,552	3,465,640	156,516	7,812,620	140,427	1,235,320	211,283	1,587,030	3,696,610	(11,478)	3,685,133	
2535	3,314,271	2,903,965	2,164,510	4,191,782	104,122	9,364,378	169,850	1,494,151	123,674	1,787,675	4,471,146	4,046	4,475,192	
2540	7,708,906	6,754,545	5,034,592	9,749,972	140,542	21,679,651	395,067	3,475,356	433,198	4,303,620	10,399,766	(106,221)	10,293,545	
2541	4,747,430	4,159,698	3,100,488	6,004,394	317,157	13,581,736	243,297	2,140,253	279,476	2,663,025	6,404,561	9,522	6,414,082	
2542	2,777,073	2,433,272	1,813,672	3,512,351	233,442	7,992,737	142,320	7,992,737	62,930	1,457,219	3,746,434	47,297	3,793,731	
2545	1,440,235	1,261,934	940,600	1,821,562	121,740	4,145,835	73,809	649,292	55,154	778,255	1,942,961	17,921	1,960,882	
2547	11,173,228	9,789,983	7,297,097	14,131,533	170,221	31,388,834	572,606	5,037,153	1,478,378	7,088,138	15,073,339	(302,024)	14,771,314	
2550	1,193,380	1,045,640	779,382	1,509,348	228,096	3,562,465	61,158	538,004	75,544	674,706	1,609,939	36,595	1,646,535	
2551	1,885,118	1,651,741	1,231,148	2,384,236	216,180	5,483,304	96,609	849,856	185,094	1,131,558	2,543,135	5,372	2,548,507	
2555	1,876,186	1,643,914	1,225,314	2,372,938	255,893	5,498,060	96,151	845,829	2,799	944,778	2,531,085	53,719	2,584,803	
2557	16,367,340	14,341,065	10,689,308	20,700,876	159,155	45,890,403	838,795	7,378,781	401,569	8,619,145	22,080,500	(47,041)	22,033,459	
2559	1,574,525	1,379,599	1,028,303	1,991,408	247,127	4,646,437	80,691	709,833	48,851	839,375	2,124,127	33,644	2,157,771	
2560	1,980,536	1,735,346	1,293,464	2,504,917	138,113	5,671,840	101,499	892,872	112,049	1,106,420	2,671,859	8,662	2,680,522	
2561	6,414,660	5,620,526	4,189,335	8,113,052	302,459	18,225,371	328,739	2,891,879	131,617	3,352,235	8,653,752	28,842	8,682,594	
2562	7,840,863	6,870,165	5,120,771	9,916,866	108,020	22,015,821	401,829	3,534,845	508,645	4,445,319	10,577,783	(90,838)	10,486,945	
2563	8,363,691	7,328,267	5,462,224	10,578,123	138,146	23,506,760	428,623	3,770,548	411,959	4,611,130	11,283,109	(118,807)	11,164,303	
2564	11,537,903	10,109,511	7,535,262	14,592,761	24,633	32,262,167	591,295	5,201,557	1,801,969	7,594,821	15,565,306	(402,176)	15,163,130	
2565	6,353,249	5,566,717	4,149,228	8,035,381	534,315	18,285,641	325,592	2,864,193	225,343	3,415,128	8,570,904	123,988	8,694,892	
2570	4,493,568	3,937,265	2,934,694	5,683,318	122,952	12,678,228	230,287	2,025,806	161,728	2,417,821	6,062,086	(24,312)	6,037,775	
2573	4,727,386	4,142,136	3,087,397	5,979,043	831	13,209,407	242,269	2,131,216	187,918	2,561,403	6,377,520	(47,417)	6,330,104	
2574	1,533,253	1,343,436	1,001,349	1,939,208	96,454	4,380,448	78,576	691,226	—	769,803	2,068,448	26,259	2,094,707	
2575	16,611,531	14,555,025	10,848,786	21,009,721	366,739	46,780,270	851,309	7,488,868	2,444,821	10,784,997	22,409,928	(540,913)	21,869,015	
2576	3,313,933	2,903,668	2,164,288	4,191,353	3,630	9,262,940	169,833	1,493,998	176,569	1,840,400	4,470,689	(56,220)	4,414,469	

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Pension Amounts by Employer

As of and for the fiscal year ended June 30, 2020

District code	Deferred outflows of resources					Deferred inflows of resources					Pension expense		
	Net pension liability (asset)	Differences between expected and actual experience	Net difference between projected and actual investment earnings on pension plan investments	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred outflows of resources	Differences between expected and actual experience	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred inflows of resources	Proportionate share of allocable plan pension expense	Net amortization of deferred amounts from changes in proportion and differences between employer contributions and proportionate share of contributions	Total pension expense
2580	\$ 8,781,789	7,694,605	5,735,278	11,106,920	151,903	24,688,705	450,050	3,959,036	266,868	4,675,954	11,847,148	(59,136)	11,788,012
2582	1,888,985	1,655,129	1,233,673	2,389,126	303,613	5,581,540	96,807	851,599	—	948,405	2,548,351	81,445	2,629,796
2584	5,220,128	4,573,877	3,409,201	6,602,248	53,150	14,638,476	267,522	2,353,356	242,052	2,862,930	7,042,259	(48,122)	6,994,137
2585	17,256,861	15,120,464	11,270,243	21,825,913	1,290,628	49,507,248	884,381	7,779,798	54,161	8,718,339	23,280,517	308,711	23,589,228
2590	5,890,266	5,161,052	3,846,860	7,449,816	27,666	16,485,393	301,865	2,655,470	425,136	3,382,470	7,946,314	(106,307)	7,840,007
2593	14,331,740	12,557,472	9,359,882	18,126,315	21,768	40,065,437	734,474	6,461,084	1,157,639	8,353,197	19,334,356	(348,408)	18,985,948
2595	1,113,543	975,686	727,241	1,408,372	183,685	3,294,985	57,067	502,011	35,404	594,482	1,502,234	19,186	1,521,421
2600	2,258,007	1,978,466	1,474,677	2,855,853	99,172	6,408,168	115,719	1,017,962	389,933	1,523,614	3,046,184	(78,802)	2,967,381
2605	1,025,761	898,772	669,912	1,297,350	74,891	2,940,925	52,568	462,437	43,666	558,672	1,383,812	4,008	1,387,820
2610	14,685,432	12,867,377	9,590,874	18,573,653	413,951	41,445,856	752,600	6,620,537	833,128	8,206,265	19,811,508	(160,423)	19,651,085
2611	4,049,783	3,548,420	2,644,863	5,122,033	285,835	11,601,151	207,544	1,825,737	513,217	2,546,498	5,463,394	1,353	5,464,747
2612	4,507,041	3,949,069	2,943,493	5,700,357	286,898	12,879,817	230,977	2,031,880	29,814	2,292,707	6,080,262	47,848	6,128,109
2613	4,673,728	4,095,121	3,052,354	5,911,178	—	13,058,653	239,520	2,107,026	466,507	2,813,052	6,305,133	(112,638)	6,192,494
2614	5,687,179	4,983,107	3,714,226	7,192,958	612,877	16,503,168	291,457	2,563,914	188,336	3,043,706	7,672,337	102,628	7,774,965
2615	16,204,241	14,198,157	10,582,790	20,494,593	—	45,275,541	830,436	7,305,252	905,260	9,040,947	21,860,470	(225,505)	21,634,965
2616	5,410,208	4,740,424	3,533,340	6,842,653	548,199	15,664,617	277,263	2,439,048	12,771	2,729,082	7,298,687	125,312	7,423,999
2617	6,053,160	5,303,779	3,953,244	7,655,838	468,368	17,381,228	310,213	2,728,906	470,938	3,510,057	8,166,067	55,346	8,221,413
2618	1,473,101	1,290,731	962,064	1,863,130	178,856	4,294,781	75,494	664,108	94,800	834,402	1,987,299	4,875	1,992,174
2619	3,168,084	2,775,875	2,069,036	4,006,888	337,744	9,189,543	162,358	1,428,246	66,435	1,657,040	4,273,930	44,611	4,318,541
2620	1,131,581	991,491	739,021	1,431,186	76,198	3,237,898	57,991	510,143	94,106	662,241	1,526,569	1,164	1,527,733
2625	1,919,652	1,681,999	1,253,701	2,427,913	135,653	5,499,266	98,378	865,424	107,840	1,071,642	2,589,723	19,190	2,608,913
2626	1,277,661	1,119,486	834,424	1,615,943	259,928	3,829,782	65,478	575,999	33,485	674,962	1,723,639	54,987	1,778,626
2630	1,595,753	1,398,199	1,042,166	2,018,256	207,072	4,665,693	81,779	719,403	226,226	1,027,408	2,152,764	23,651	2,176,414
2632	2,820,248	2,471,102	1,841,869	3,566,958	544,360	8,424,289	144,532	1,271,434	70,445	1,486,412	3,804,680	106,071	3,910,751
2633	10,864,498	9,519,474	7,095,470	13,741,061	395,061	30,751,066	556,785	4,897,970	429,369	5,884,124	14,656,844	(24,762)	14,632,082
2635	1,419,762	1,243,995	927,229	1,795,668	188,655	4,155,548	72,760	640,062	182,542	895,364	1,915,342	565	1,915,906
2640	3,628,365	3,179,174	2,369,641	4,589,038	470,294	10,608,147	185,947	1,635,752	210,475	2,032,174	4,894,877	127,098	5,021,975
2641	2,184,862	1,914,376	1,426,906	2,763,342	90,421	6,195,045	111,970	984,987	192,297	1,289,254	2,947,506	474	2,947,980
2642	8,376,466	7,339,461	5,470,567	10,594,280	1,041,282	24,445,590	429,278	3,776,307	159,671	4,365,256	11,300,344	225,679	11,526,022
2643	8,113,684	7,109,211	5,298,947	10,261,922	364,207	23,034,287	415,811	3,657,839	365,445	4,439,094	10,945,835	75,113	11,020,947
2644	7,256,313	6,357,982	4,739,009	9,177,547	505,078	20,779,616	371,872	3,271,316	61,616	3,704,804	9,789,191	122,136	9,911,328
2645	9,400,072	8,236,344	6,139,071	11,888,903	307,121	26,571,439	481,736	4,237,773	823,762	5,543,270	12,681,247	(166,163)	12,515,084
2648	1,709,782	1,498,111	1,116,637	2,162,476	231,390	5,008,614	87,623	770,810	8,529	866,961	2,306,595	53,152	2,359,748
2649	3,838,640	3,363,417	2,506,969	4,854,987	89,836	10,815,208	196,723	1,730,549	175,940	2,103,212	5,178,551	(7,764)	5,170,787
2650	875,298	766,936	571,646	1,107,048	116,370	2,562,000	44,857	394,605	196,874	636,336	1,180,828	(9,960)	1,170,868
2651	13,829,084	12,117,045	9,031,604	17,490,573	421,040	39,060,263	708,714	6,234,476	1,254,639	8,197,828	18,656,245	(295,053)	18,361,191
2652	1,509,420	1,322,554	985,784	1,909,065	119,164	4,336,566	77,355	680,482	23,791	781,628	2,036,290	28,779	2,065,075
2653	2,219,243	1,944,501	1,449,360	2,806,826	83,780	6,284,467	113,732	1,000,487	112,764	1,226,983	2,993,889	(20,039)	2,973,849
2654	14,741,311	12,916,339	9,627,369	18,644,328	204,316	41,392,351	755,464	6,645,729	1,378,911	8,780,103	19,886,892	(222,159)	19,664,733
2655	7,885,681	6,909,434	5,150,041	9,973,551	78,924	22,111,951	404,126	3,555,050	310,087	4,269,263	10,638,245	(77,398)	10,560,848
2656	7,441,795	6,520,501	4,860,144	9,412,138	373,844	21,166,628	381,378	3,354,936	224,078	3,960,391	10,039,417	60,939	10,100,356
3032	1,118,595	980,113	730,540	1,414,762	10,507	3,135,923	57,326	504,289	162,247	723,861	1,509,050	(32,252)	1,476,798
3041	430,260	376,994	280,998	544,179	45,896	1,248,067	22,050	193,971	34,788	250,809	580,446	1,050	581,497

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Pension Amounts by Employer

As of and for the fiscal year ended June 30, 2020

District code	Deferred outflows of resources						Deferred inflows of resources					Pension expense		
	Net pension liability (asset)	Differences between expected and actual experience	Net difference between projected and actual investment earnings on pension plan investments	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred outflows of resources	Differences between expected and actual experience	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred inflows of resources	Proportionate share of allocable plan pension expense	Net amortization of deferred amounts from changes in proportion and differences between employer contributions and proportionate share of contributions	Total pension expense	
3042	\$ 1,150,073	1,007,694	751,099	1,454,575	232,070	3,445,439	58,939	518,480	11,274	588,693	1,551,516	50,671	1,602,188	
3043	1,218,313	1,067,486	795,665	1,540,882	145,411	3,549,445	62,436	549,244	16,516	628,196	1,643,576	24,008	1,667,584	
3044	839,327	735,418	548,154	1,061,553	103,044	2,448,170	43,014	378,388	48,394	469,796	1,132,301	19,957	1,152,258	
3048	399,661	350,183	261,014	505,479	95,872	1,212,548	20,482	180,177	88,108	288,767	539,167	(334)	538,833	
3077	1,048,232	918,461	684,587	1,325,770	50,219	2,979,037	53,720	472,568	8,321	534,608	1,414,127	14,533	1,428,660	
3078	457,617	400,964	298,864	578,778	20,670	1,299,276	23,452	206,304	18,580	248,336	617,352	1,130	618,481	
3079	273,021	239,221	178,306	345,308	60,273	823,108	13,992	123,084	15,400	152,476	368,321	11,031	379,352	
3081	490,504	429,780	320,342	620,374	111,499	1,481,994	25,137	221,131	40,522	286,790	661,719	19,995	681,713	
3082	945,531	828,474	617,514	1,195,876	80,366	2,722,231	48,457	426,267	65,942	504,666	1,275,576	5,974	1,281,550	
3101	449,129	393,527	293,321	568,044	79,267	1,334,158	23,017	202,478	71,785	297,280	605,901	(3,912)	601,990	
3105	439,949	385,484	287,325	556,433	56,569	1,285,811	22,547	198,339	5,157	226,043	593,517	11,361	604,878	
3106	799,291	700,339	522,007	1,010,917	36,886	2,270,148	40,962	360,339	71,895	473,196	1,078,290	(19,829)	1,058,461	
3107	740,636	648,946	483,700	936,732	41,408	2,110,787	37,956	333,896	52,344	424,196	999,162	5,968	1,005,130	
3126	796,236	697,662	520,012	1,007,054	470,654	2,695,382	40,806	358,962	64,919	464,686	1,074,169	114,323	1,188,492	
3128	720,693	631,472	470,676	911,510	147,733	2,161,390	36,934	324,906	34,172	396,012	972,258	25,952	998,210	
3178	1,296,377	1,135,886	846,648	1,639,615	103,480	3,725,630	66,437	584,437	7,562	658,436	1,748,889	27,085	1,775,974	
3179	982,483	860,852	641,648	1,242,613	290	2,745,403	50,350	442,926	130,221	623,498	1,325,427	(26,910)	1,298,517	
3201	495,551	434,202	323,638	626,757	86,239	1,470,836	25,396	223,406	11,204	260,006	668,527	19,524	688,052	
3202	936,611	820,658	611,689	1,184,595	15,801	2,632,742	47,999	422,246	31,757	502,003	1,263,543	(6,390)	1,257,152	
3204	938,865	822,633	613,161	1,187,445	70,413	2,693,653	48,115	423,262	53,581	524,958	1,266,583	8,241	1,274,824	
3206	1,091,898	956,721	713,105	1,380,996	36,568	3,087,390	55,958	492,253	103,770	651,981	1,473,034	(18,042)	1,454,992	
3208	448,046	392,578	292,613	566,673	52,800	1,304,664	22,961	201,989	18,141	243,092	604,440	9,052	613,492	
3226	1,216,828	1,066,185	794,695	1,539,004	153,405	3,553,290	62,360	548,575	18,018	628,953	1,641,572	41,249	1,682,821	
3229	771,462	675,955	503,832	975,720	38,829	2,194,335	39,536	347,793	44,369	431,698	1,040,747	(10,194)	1,030,553	
3231	1,131,887	991,760	739,222	1,431,574	76,580	3,239,135	58,007	510,281	49,928	618,216	1,526,982	8,008	1,534,990	
3232	548,108	480,252	357,962	693,228	45,289	1,576,732	28,089	247,100	31,468	306,658	739,429	(864)	738,565	
3276	1,156,011	1,012,897	754,976	1,462,084	16,695	3,246,653	59,243	521,157	125,658	706,058	1,559,526	(22,065)	1,537,461	
3277	1,260,157	1,104,149	822,993	1,593,805	69,387	3,590,334	64,581	568,108	78,251	710,940	1,700,025	(11,369)	1,688,656	
3278	902,958	791,172	589,711	1,142,031	13,824	2,536,738	46,275	407,075	42,300	495,649	1,218,143	(5,048)	1,213,095	
3280	964,623	845,203	629,983	1,220,024	199,398	2,894,608	49,435	434,875	26,412	510,721	1,301,333	34,877	1,336,210	
3281	1,150,628	1,008,181	751,461	1,455,277	60,142	3,275,061	58,967	518,730	233,827	811,524	1,552,265	(31,647)	1,520,618	
3284	1,150,095	1,007,713	751,113	1,454,603	24,209	3,237,638	58,940	518,490	55,103	632,533	1,551,546	(16,808)	1,534,738	
3303	1,154,661	1,011,714	754,095	1,460,377	126,174	3,352,359	59,174	520,548	7,767	587,489	1,557,705	36,101	1,593,806	
3304	580,196	508,368	378,919	733,813	75,251	1,696,351	29,734	261,566	14,573	305,873	782,718	12,914	795,632	
3305	769,739	674,445	502,707	973,540	44,276	2,194,968	39,448	347,016	8,428	394,892	1,038,423	8,440	1,046,863	
3306	765,191	670,460	499,737	967,789	66,795	2,204,780	39,215	344,966	48,997	433,178	1,032,287	(1,430)	1,030,858	
3307	263,880	231,211	172,336	333,746	129,034	866,328	13,523	118,963	14,765	147,251	355,989	26,545	382,534	
3308	626,069	548,562	408,878	791,831	24,240	1,773,511	32,085	282,247	53,690	368,021	844,604	(11,659)	832,944	
3309	1,083,120	949,030	707,372	1,369,894	58,478	3,084,775	55,508	488,296	70,335	614,139	1,461,192	(9,413)	1,451,779	
3326	957,626	839,072	625,414	1,211,174	66,302	2,741,963	49,076	431,720	38,767	519,563	1,291,894	11,896	1,303,790	
3327	1,222,320	1,070,997	798,282	1,545,951	167,673	3,582,903	62,642	551,051	37,405	651,097	1,648,982	35,157	1,684,138	
3328	682,887	598,345	445,985	863,693	209,496	2,117,519	34,997	307,861	111,860	454,718	921,254	41,951	963,205	
3329	850,180	744,928	555,242	1,075,280	46,856	2,422,307	43,570	383,281	28,298	455,149	1,146,943	7,258	1,154,201	

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Pension Amounts by Employer

As of and for the fiscal year ended June 30, 2020

District code	Deferred outflows of resources					Deferred inflows of resources					Pension expense		
	Net pension liability (asset)	Differences between expected and actual experience	Net difference between projected and actual investment earnings on pension plan investments	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred outflows of resources	Differences between expected and actual experience	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred inflows of resources	Proportionate share of allocable plan pension expense	Net amortization of deferred amounts from changes in proportion and differences between employer contributions and proportionate share of contributions	Total pension expense
3330	\$ 1,296,710	1,136,178	846,865	1,640,037	67,635	3,690,715	66,454	584,587	42,800	693,842	1,749,338	10,802	1,760,140
3331	1,447,465	1,268,269	945,321	1,830,706	183,336	4,227,633	74,180	652,551	141,562	868,293	1,952,715	(17,650)	1,935,065
3332	633,313	554,909	413,609	800,994	74,281	1,843,793	32,456	285,512	20,847	338,816	854,377	10,703	865,080
3452	1,581,081	1,385,343	1,032,584	1,999,699	124,678	4,542,305	81,027	712,788	120,694	914,509	2,132,971	(5,126)	2,127,845
3453	522,920	458,183	341,513	661,372	67,548	1,528,615	26,799	235,745	32,113	294,657	705,450	7,422	712,872
3458	1,118,336	979,886	730,371	1,414,435	134,877	3,259,569	57,313	504,172	27,450	588,934	1,508,701	29,374	1,538,074
3460	1,580,014	1,384,409	1,031,888	1,998,350	380,256	4,794,903	80,973	712,308	26,070	819,350	2,131,532	73,870	2,205,401
3464	439,937	385,473	287,317	556,418	52,287	1,281,494	22,546	198,334	6,811	227,691	593,501	8,738	602,238
3465	317,502	278,195	207,357	401,566	57,679	944,797	16,271	143,137	43,013	202,421	428,329	(3,652)	424,676
3466	894,715	783,949	584,327	1,131,606	29,485	2,529,367	45,852	403,358	47,951	497,162	1,207,023	(6,377)	1,200,645
3467	493,228	432,166	322,121	623,818	11,998	1,390,103	25,277	222,359	105,916	353,552	665,393	(22,509)	642,884
3468	91,655	80,308	59,859	115,922	20,545	276,633	4,697	41,320	11,504	57,521	123,648	2,277	125,925
3471	378,279	331,448	247,049	478,434	247,049	1,075,667	19,386	170,537	31,500	221,423	510,320	(1,911)	508,409
3473	719,122	630,095	469,650	909,523	119,634	2,128,901	36,854	324,197	51,935	412,986	970,138	6,631	976,769
3526	799,882	700,856	522,393	1,011,664	130,450	2,365,363	40,992	360,605	27,805	429,403	1,079,087	19,982	1,099,069
3527	724,589	634,885	473,220	916,436	31,574	2,056,116	37,134	326,662	43,137	406,932	977,513	4,160	981,673
3528	647,585	567,414	422,930	819,044	101,424	1,910,812	33,187	191,946	73,160	398,294	873,630	9,775	883,405
3531	1,017,624	891,642	664,598	1,287,058	41,553	2,884,851	52,151	458,769	149,197	660,117	1,372,835	(42,136)	1,330,699
3552	312,407	273,731	204,029	395,122	77,713	950,596	16,010	140,841	36,235	193,086	421,456	13,512	434,968
3559	733,435	642,636	478,997	927,625	140,796	2,190,054	37,587	330,650	32,404	400,641	989,447	28,083	1,017,530
3560	934,415	818,735	610,255	1,181,818	108,610	2,719,417	47,887	421,256	45,107	514,250	1,260,581	8,520	1,269,101
3561	1,052,136	921,881	687,137	1,330,707	231,783	3,171,508	53,920	474,327	136,986	665,233	1,419,392	29,782	1,449,174
3576	412,138	361,115	269,162	521,259	59,530	1,211,066	21,121	185,801	25,459	232,382	555,998	7,021	563,019
3577	944,779	827,815	617,023	1,194,925	44,363	2,684,127	48,418	425,928	45,954	520,301	1,274,562	(5,549)	1,269,012
3579	487,969	427,558	318,686	617,167	101,302	1,464,713	25,007	219,988	50,975	295,970	658,298	13,333	671,632
3585	1,050,128	920,123	685,826	1,328,168	151,626	3,085,742	53,817	473,423	68,486	595,725	1,416,685	10,859	1,427,543
3586	1,210,052	1,060,247	790,270	1,530,434	92,361	3,473,311	62,013	545,520	105,535	713,067	1,632,430	(6,025)	1,626,406
3589	1,001,444	877,466	654,031	1,266,594	65,898	2,863,988	51,322	451,475	182,667	685,463	1,351,007	(18,471)	1,332,536
3591	413,875	362,637	270,297	523,455	81,586	1,237,975	21,210	186,584	7,493	215,288	558,341	20,203	578,544
3592	972,152	851,799	634,900	1,229,545	93,262	2,809,507	49,821	438,269	20,028	508,118	1,311,489	11,230	1,322,720
3593	1,826,935	1,600,761	1,193,149	2,310,647	94,464	5,199,021	93,627	823,625	19,339	936,591	2,464,642	18,653	2,483,295
3594	424,184	371,670	277,029	536,494	61,669	1,246,861	21,739	191,232	10,930	223,901	572,249	10,238	582,486
3626	2,076,077	1,819,059	1,355,860	2,625,754	61,989	5,862,662	106,395	935,944	103,410	1,145,749	2,800,750	(2,563)	2,798,187
3629	1,202,855	1,053,942	785,570	1,521,332	192,836	3,553,680	61,644	542,275	48,652	652,571	1,622,722	20,089	1,642,811
3630	1,973,040	1,728,778	1,288,568	2,495,437	291,966	5,804,749	101,115	889,493	44,516	1,035,123	2,661,747	58,264	2,720,011
3631	1,676,464	1,468,918	1,094,878	2,120,337	241,517	4,925,651	85,916	755,789	124,505	966,210	2,261,649	27,568	2,289,216
3632	3,044,339	2,667,450	1,988,220	3,850,381	176,124	8,682,176	156,017	1,372,460	69,681	1,598,157	4,106,992	27,632	4,134,624
3635	1,965,851	1,722,478	1,283,873	2,486,343	308,017	5,800,711	100,746	886,252	7,038	994,035	2,652,048	68,944	2,720,992
3636	1,638,233	1,435,420	1,069,910	2,071,983	229,380	4,806,693	83,956	738,554	1,592	824,102	2,210,072	55,339	2,265,411
3658	1,741,716	1,526,092	1,137,493	2,202,866	120,954	4,987,405	89,260	785,207	200,941	1,075,407	2,349,677	(17,828)	2,331,850
3679	1,915,307	1,678,192	1,250,863	2,422,417	10,723	5,362,195	98,156	863,465	178,385	1,140,006	2,583,861	(33,942)	2,549,919
3702	1,070,439	937,919	699,091	1,353,857	19,208	3,010,075	54,858	482,579	121,091	658,528	1,444,086	(28,777)	1,415,308
3709	840,285	736,257	548,780	1,062,764	15,618	2,363,420	43,063	378,820	83,214	505,097	1,133,593	(21,014)	1,112,579

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Pension Amounts by Employer

As of and for the fiscal year ended June 30, 2020

District code	Deferred outflows of resources					Deferred inflows of resources					Pension expense		
	Net pension liability (asset)	Differences between expected and actual experience	Net difference between projected and actual investment earnings on pension plan investments	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred outflows of resources	Differences between expected and actual experience	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred inflows of resources	Proportionate share of allocable plan pension expense	Net amortization of deferred amounts from changes in proportion and differences between employer contributions and proportionate share of contributions	Total pension expense
3805	\$ 704,380	617,178	460,022	890,876	17,951	1,986,027	36,098	317,551	127,839	481,488	950,250	(18,024)	932,225
3821	977,350	856,354	638,295	1,236,120	63,543	2,794,312	50,087	440,612	175,108	665,808	1,318,502	(39,843)	1,278,659
3822	423,731	371,273	276,733	535,921	17,468	1,201,396	21,715	191,028	168,237	380,981	571,638	(33,321)	538,317
3854	2,047,627	1,794,131	1,337,280	2,589,772	281,711	6,002,894	104,937	923,118	326,131	1,354,186	2,762,369	(23,341)	2,739,028
3855	1,099,674	963,535	718,184	1,390,832	90,261	3,162,811	56,356	495,759	36,268	588,383	1,483,525	4,786	1,488,311
3856	204,748	179,401	133,719	258,959	42,164	614,243	10,493	92,305	18,701	121,500	276,218	6,049	282,267
3927	1,231,847	1,079,345	804,504	1,558,000	89,827	3,531,676	63,130	555,346	71,613	690,088	1,661,834	(3,424)	1,658,410
3928	548,196	480,329	358,020	693,340	206,636	1,738,325	28,094	247,140	103,827	379,061	739,548	25,449	764,997
3929	1,083,248	949,142	707,456	1,370,056	210,264	3,236,917	55,514	488,353	62,170	606,038	1,461,364	22,412	1,483,777
3930	1,014,124	888,576	662,312	1,282,631	93,429	2,926,948	51,972	457,191	39,261	548,423	1,368,113	10,364	1,378,477
3931	1,352,664	1,185,204	883,408	1,710,805	128,372	3,907,789	69,321	609,813	113,624	792,758	1,824,823	(12,581)	1,812,242
3932	1,058,255	927,243	691,133	1,338,446	13,715	2,970,538	54,234	477,086	79,393	610,713	1,427,648	(13,622)	1,414,026
3934	197,793	173,306	129,176	250,162	27,631	580,275	10,137	89,170	5,907	105,213	266,834	8,995	275,830
3979	728,079	637,943	475,500	920,851	74,310	2,108,603	37,313	328,235	85,515	451,063	982,221	5,890	988,112
3980	592,556	519,198	386,991	749,445	170,124	1,825,758	30,367	267,138	39,555	337,060	799,393	32,787	832,179
3981	507,093	444,315	331,176	641,355	44,019	1,460,865	25,988	228,609	102,696	357,293	684,098	(12,730)	671,368
3982	222,838	195,251	145,533	281,839	33,501	656,124	11,420	100,461	10,789	122,670	300,622	5,265	305,887
3983	476,180	417,229	310,987	602,257	101,216	1,431,688	24,403	214,673	2,547	241,623	642,394	31,292	673,686
3986	531,954	466,098	347,412	672,797	82,172	1,568,480	27,262	239,817	45,952	313,030	717,637	14,193	731,829
3987	371,564	325,564	242,664	469,942	95,715	1,133,885	19,042	167,510	43,508	230,059	501,261	10,688	511,949
3988	433,668	379,980	283,223	548,489	152,798	1,364,490	22,225	195,508	10,101	227,834	585,044	35,607	620,651
3989	339,702	297,647	221,855	429,644	61,546	1,010,693	17,409	153,146	8,437	178,992	458,278	11,277	469,555
3990	486,497	426,268	317,725	615,305	103,679	1,462,977	24,932	219,324	5,460	249,716	656,313	25,696	682,009
3991	572,423	501,558	373,843	723,982	127,926	1,727,308	29,336	258,062	65,882	353,280	772,233	7,633	779,866
3992	518,444	454,261	338,589	655,711	61,933	1,510,495	26,569	233,727	21,013	281,309	699,411	5,314	704,725
3994	983,336	861,599	642,205	1,243,691	107,369	2,854,864	50,394	443,311	74,256	567,961	1,326,578	3,947	1,330,524
3995	517,470	453,407	337,953	654,479	20,260	1,466,098	26,519	233,287	48,394	308,201	698,097	(5,248)	692,849
3996	407,461	357,018	266,108	515,344	22,441	1,160,910	20,882	183,693	11,443	216,018	549,689	2,726	552,415
3997	457,268	400,658	298,636	578,337	42,583	1,320,215	23,434	206,147	34,355	263,937	616,881	5,390	622,271
3998	430,077	376,833	280,878	543,947	27,770	1,229,428	22,041	193,889	26,729	242,658	580,199	(2,191)	578,008
3999	368,293	322,698	240,527	465,804	215,714	1,244,743	18,874	166,035	50,691	235,600	496,848	20,268	517,116
4004	235,995	206,779	154,125	298,479	41,214	700,598	12,094	106,392	17,421	135,907	318,371	7,346	325,718
4007	355,537	311,521	232,197	449,671	17,249	1,010,638	18,221	160,284	18,911	197,416	479,640	84	479,724
4008	138,086	120,991	90,182	174,646	15,832	401,651	7,077	62,252	32,912	102,240	186,286	(719)	185,567
4009	2,038,807	1,786,403	1,331,520	2,578,616	167,190	5,863,728	104,485	919,142	70,664	1,094,291	2,750,470	20,450	2,770,920
4010	201,431	176,494	131,552	254,763	15,470	578,279	10,323	90,810	30,625	131,758	271,742	(3,322)	268,420
4014	943,652	826,828	616,287	1,193,500	122,626	2,759,240	48,360	425,420	86,988	560,768	1,273,041	2,798	1,275,839
4015	568,768	498,354	371,455	719,359	96,269	1,685,438	29,148	256,414	56,680	342,242	767,301	3,289	770,590
4020	1,114,535	976,556	727,889	1,409,627	139,077	3,253,149	57,118	502,458	44,545	604,121	1,503,573	15,251	1,518,824
4021	1,647,905	1,443,894	1,076,226	2,084,216	38,472	4,642,808	84,452	742,914	124,070	951,436	2,223,120	(27,867)	2,195,253
4022	1,191,799	1,044,254	778,349	1,507,348	29,386	3,359,337	61,077	537,291	56,079	654,448	1,607,806	(12,065)	1,595,742
4027	1,014,808	889,174	662,758	1,283,495	390,505	3,225,933	52,007	457,499	75,709	585,215	1,369,035	55,341	1,424,376
4028	222,351	194,824	145,215	281,222	17,850	639,111	11,395	100,241	29,267	140,903	299,964	(1,460)	298,505

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Pension Amounts by Employer

As of and for the fiscal year ended June 30, 2020

District code	Deferred outflows of resources					Deferred inflows of resources					Pension expense		
	Net pension liability (asset)	Differences between expected and actual experience	Net difference between projected and actual investment earnings on pension plan investments	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred outflows of resources	Differences between expected and actual experience	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred inflows of resources	Proportionate share of allocable plan pension expense	Net amortization of deferred amounts from changes in proportion and differences between employer contributions and proportionate share of contributions	Total pension expense
4029	\$ 1,303,135	1,141,807	851,061	1,648,162	56,653	3,697,684	66,783	587,484	42,231	696,497	1,758,005	1,142	1,759,147
4030	794,891	696,484	519,134	1,005,352	8,788	2,229,758	40,737	358,356	38,253	437,345	1,072,355	(5,683)	1,066,672
4031	696,018	609,851	454,561	880,300	86,961	2,031,673	35,670	313,781	54,352	403,803	938,969	9,214	948,183
4034	602,474	527,888	393,469	761,990	61,414	1,744,760	30,876	271,610	53,651	356,136	812,773	603	813,376
4036	887,826	777,913	579,828	1,122,893	273,466	2,754,100	45,499	400,253	35,140	480,893	1,197,729	66,183	1,263,912
4101	640,417	561,133	418,248	809,978	121,242	1,910,602	32,820	288,715	110,225	431,760	863,960	3,911	867,871
4104	556,373	487,494	363,360	703,683	9,070	1,563,607	28,513	250,826	28,104	307,443	750,580	(4,042)	746,538
4124	3,187	2,792	2,081	4,031	98,705	107,610	163	1,437	6,679	8,280	4,299	15,933	20,232
4126	1,855,295	1,625,610	1,211,671	2,346,517	127,026	5,310,823	95,080	836,411	—	931,491	2,502,902	38,440	2,541,342
4128	1,228,939	1,076,796	802,605	1,554,321	38,435	3,472,157	62,981	554,034	108,295	725,310	1,657,910	(18,129)	1,639,781
4130	1,014,991	889,335	662,878	1,283,727	134,129	2,970,069	52,016	457,582	38,732	548,330	1,369,282	27,874	1,397,156
4132	473,479	414,862	309,223	598,840	54,896	1,377,821	24,265	213,455	41,336	279,056	638,750	2,591	641,341
4134	449,507	393,858	293,568	568,522	58,411	1,314,361	23,036	202,648	6,416	232,101	606,412	10,617	617,029
4135	389,827	341,567	254,591	493,041	64,595	1,153,794	19,978	175,743	40,609	236,330	525,900	15,400	541,300
4137	527,223	461,952	344,323	666,814	28,221	1,501,310	27,019	237,684	13,463	278,166	711,254	2,242	713,496
4142	1,680,293	1,472,273	1,097,379	2,125,180	99,349	4,794,181	86,112	757,516	68,097	911,725	2,266,814	5,660	2,272,474
4143	1,307,514	1,145,644	853,922	1,653,702	121,467	3,774,734	67,008	589,458	27,478	683,944	1,763,914	17,800	1,781,713
4144	833,290	730,129	544,211	1,053,918	48,905	2,377,163	42,705	375,667	62,574	480,946	1,124,157	(7,107)	1,117,050
4149	449,220	393,607	293,380	568,159	74,280	1,329,426	23,022	202,519	31,093	256,633	606,024	10,268	616,292
4151	1,181,182	1,034,952	771,415	1,493,920	105,065	3,405,353	60,533	532,505	26,215	619,252	1,593,484	23,916	1,617,400
4152	1,014,770	889,141	662,734	1,283,448	148,254	2,983,576	52,005	457,482	12,557	522,044	1,368,984	21,973	1,390,957
4153	1,201,508	1,052,761	784,690	1,519,628	62,461	3,419,540	61,575	541,668	18,359	621,602	1,620,905	11,870	1,632,775
4154	727,876	637,765	475,367	920,594	21,645	2,055,371	37,302	328,144	163,763	529,209	981,947	(29,774)	952,173
4155	934,103	818,461	610,051	1,181,423	15,897	2,625,832	47,871	421,116	42,872	511,858	1,260,160	(10,280)	1,249,880
4178	858,371	752,105	560,591	1,085,639	145,882	2,544,217	43,990	386,974	20,197	451,160	1,157,993	29,473	1,187,465
4180	1,766,836	1,548,102	1,153,899	2,234,636	100,478	5,037,114	90,547	796,531	12,177	899,255	2,383,565	22,771	2,406,336
4183	1,167,968	1,023,374	762,786	1,477,208	49,396	3,312,764	59,856	526,548	40,387	626,791	1,575,658	4,339	1,579,997
4184	1,134,295	993,870	740,794	1,434,620	63,195	3,232,478	58,130	511,367	108,353	677,850	1,530,231	(10,756)	1,519,475
4202	762,259	667,891	497,822	964,080	57,589	2,187,383	39,064	343,644	56,152	438,860	1,028,332	9,067	1,037,399
4203	766,722	671,802	500,737	969,725	29,005	2,171,269	39,293	345,656	38,798	423,747	1,034,353	1,166	1,035,519
4205	520,988	456,490	340,251	658,929	41,088	1,496,757	26,700	234,874	34,542	296,116	702,844	(871)	701,973
4206	501,415	439,340	327,468	634,173	50,005	1,450,987	25,697	226,050	8,366	260,112	676,438	11,824	688,262
4208	2,580,712	2,261,220	1,685,431	3,264,000	384,769	7,595,421	132,257	1,163,445	37,890	1,333,592	3,481,532	78,668	3,560,199
4258	1,019,634	893,403	665,910	1,289,599	54,114	2,903,027	52,254	459,675	233,297	745,226	1,375,545	(26,467)	1,349,078
4259	831,850	728,867	543,271	1,052,097	126,623	2,450,859	42,631	375,018	10,314	427,963	1,122,215	26,881	1,149,096
4260	1,330,348	1,165,651	868,834	1,682,581	206,039	3,923,105	68,178	599,752	58,625	726,555	1,794,717	38,559	1,833,276
4301	2,685,391	2,352,940	1,753,796	3,396,395	260,826	7,763,957	137,621	1,210,637	144,110	1,492,368	3,622,750	25,205	3,647,955
4351	3,686,168	3,229,820	2,407,391	4,662,144	711,445	11,010,801	188,909	1,661,811	73,852	1,924,571	4,972,856	115,212	5,088,068
4353	2,326,781	2,038,726	1,519,592	2,942,836	138,942	6,640,096	119,243	1,048,967	15,325	1,183,536	3,138,964	33,913	3,172,877
4355	3,862,680	3,384,841	2,522,669	4,885,392	169,699	10,962,240	197,955	1,741,387	75,055	2,014,397	5,210,982	10,871	5,221,853
4356	6,267,198	5,491,320	4,093,030	7,926,547	550,265	18,061,162	321,182	2,825,400	373,312	3,519,894	8,454,817	30,168	8,484,985
4357	2,811,142	2,463,123	1,835,922	3,555,441	330,818	8,185,304	144,066	1,267,329	49,760	1,461,154	3,792,396	73,846	3,866,242
4358	2,160,128	1,892,705	1,410,753	2,732,060	112,159	6,147,677	110,702	973,837	40,973	1,125,512	2,914,140	14,473	2,928,613

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Pension Amounts by Employer

As of and for the fiscal year ended June 30, 2020

District code	Deferred outflows of resources						Deferred inflows of resources					Pension expense		
	Net pension liability (asset)	Differences between expected and actual experience	Net difference between projected and actual investment earnings on pension plan investments	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred outflows of resources	Differences between expected and actual experience	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred inflows of resources	Proportionate share of allocable plan pension expense	Net amortization of deferred amounts from changes in proportion and differences between employer contributions and proportionate share of contributions	Total pension expense	
4360	\$ 2,339,982	2,050,292	1,528,213	2,959,532	229,382	6,767,419	119,920	1,054,919	9,919	1,184,757	3,156,772	91,213	3,247,985	
4361	4,165,137	3,649,493	2,720,200	5,267,929	—	11,637,622	213,455	1,877,741	299,021	2,390,217	5,619,014	(59,179)	5,559,835	
4363	2,322,759	2,035,202	1,516,965	2,937,750	213,010	6,702,928	119,037	1,047,154	89,704	1,255,895	3,133,538	36,300	3,169,838	
4364	2,474,626	2,168,268	1,616,148	3,129,827	330,378	7,244,621	126,820	1,115,620	61,955	1,304,395	3,338,416	66,037	3,404,453	
4365	1,798,769	1,576,082	1,174,754	2,275,024	414,661	5,440,521	92,183	810,927	122,737	1,025,848	2,426,645	42,002	2,468,647	
4366	8,664,728	7,592,036	5,658,827	10,958,865	291,035	24,500,762	444,051	3,906,263	162,345	4,512,658	11,689,226	33,525	11,722,751	
4367	14,579,073	12,774,186	9,521,413	18,439,135	563,715	41,298,448	747,149	6,572,588	319,164	7,638,902	19,668,024	79,712	19,747,735	
4368	11,441,468	10,025,015	7,472,281	14,470,794	115,671	32,083,761	586,353	5,158,082	370,980	6,115,416	15,435,210	(50,653)	15,384,557	
4428	677,569	593,686	442,512	856,968	50,754	1,943,921	34,724	305,464	95,145	435,334	914,081	(4,450)	909,631	
4430	774,449	678,572	505,783	979,498	66,994	2,230,847	39,689	349,140	69,374	458,203	1,044,777	3,186	1,047,963	
4434	288,659	252,923	188,520	365,087	38,608	845,138	14,793	130,134	41,845	186,772	389,418	702	390,120	
4437	1,067,530	935,370	697,191	1,350,177	80,483	3,063,221	54,709	481,268	1,229	537,205	1,440,161	15,463	1,455,624	
4438	847,269	742,378	553,341	1,071,599	70,706	2,438,023	43,421	381,969	35,800	461,189	1,143,016	11,251	1,154,267	
4439	1,045,469	916,040	682,783	1,322,275	124,923	3,046,021	53,578	471,322	82,971	607,872	1,410,399	5,783	1,416,182	
4504	734,627	643,680	479,776	929,132	68,484	2,121,072	37,648	331,187	57,472	426,307	991,055	(1,443)	989,612	
4531	1,005,588	881,096	656,737	1,271,834	103,828	2,913,495	51,534	453,342	13,757	518,634	1,356,597	21,420	1,378,017	
4532	1,638,393	1,435,560	1,070,014	2,072,186	40,656	4,618,416	83,965	738,626	250,322	1,072,913	2,210,288	(47,220)	2,163,068	
4533	1,169,062	1,024,333	763,500	1,478,592	72,449	3,338,873	59,912	527,041	92,883	679,836	1,577,134	2,099	1,579,233	
4534	1,128,369	988,677	736,924	1,427,124	51,604	3,204,328	57,827	508,995	41,068	607,589	1,522,235	(817)	1,521,418	
4557	607,374	532,181	396,669	768,187	28,824	1,725,861	31,127	273,819	109,802	414,748	819,383	(20,674)	798,709	
4582	1,178,257	1,032,389	769,505	1,490,221	212,625	3,504,740	60,383	531,186	45,683	637,252	1,589,538	46,667	1,636,205	
4583	920,044	806,143	600,869	1,163,641	89,094	2,659,747	47,150	414,777	96,899	558,827	1,241,193	(5,416)	1,235,777	
4586	1,029,475	902,027	672,338	1,302,047	119,776	2,996,187	52,759	464,112	22,843	539,713	1,388,823	22,673	1,411,495	
4588	918,373	804,678	599,778	1,161,528	135,705	2,701,688	47,065	414,024	118,154	579,243	1,238,938	10,054	1,248,993	
4590	990,746	868,091	647,044	1,253,063	88,814	2,857,012	50,774	446,651	70,808	568,233	1,336,574	8,872	1,345,446	
4592	604,291	529,480	394,655	764,287	8,003	1,696,425	30,969	272,429	106,705	410,102	815,224	(27,739)	787,485	
4593	1,116,230	978,041	728,996	1,411,772	68,720	3,187,529	57,205	503,223	54,493	614,920	1,505,860	(137)	1,505,723	
4594	1,154,765	1,011,805	754,163	1,460,509	311,779	3,538,255	59,179	520,595	317,893	897,667	1,557,845	(12,757)	1,545,088	
4595	1,187,768	1,040,722	775,717	1,502,250	101,346	3,420,035	60,871	535,474	95,510	691,855	1,602,368	(7,175)	1,595,193	
4596	963,303	844,046	629,121	1,218,354	16,984	2,708,504	49,367	434,279	56,942	540,589	1,299,552	(5,155)	1,294,397	
4597	1,405,918	1,231,865	918,187	1,778,159	101,403	4,029,614	72,051	633,821	45,014	750,885	1,896,665	9,071	1,905,736	
4598	1,287,150	1,127,801	840,622	1,627,945	28,715	3,625,083	65,964	580,277	71,953	718,195	1,736,441	(22,131)	1,714,310	
4604	1,689,088	1,479,979	1,103,123	2,136,303	72,411	4,791,816	86,563	761,481	177,973	1,026,016	2,278,679	(36,542)	2,242,137	
4617	642,923	563,329	419,885	813,148	395,324	2,191,686	32,949	289,845	10,135	332,928	867,341	137,713	1,005,053	
4620	1,317,618	1,154,497	860,520	1,666,480	10,796	3,692,293	67,525	594,013	309,338	970,876	1,777,544	(55,068)	1,722,476	
4651	1,446,175	1,267,139	944,479	1,829,075	167,774	4,208,467	74,114	651,970	309,930	1,036,014	1,950,975	(34,582)	1,916,393	
4653	4,775,052	4,183,901	3,118,527	6,039,329	16,021	13,357,778	244,712	2,152,705	712,567	3,109,985	6,441,824	(152,074)	6,289,750	
4654	5,203,281	4,559,115	3,398,198	6,580,939	451,500	14,989,753	266,658	2,345,761	637,985	3,250,405	7,019,530	(86,667)	6,932,864	
4662	1,105,413	968,563	721,932	1,398,090	14,350	3,102,935	56,650	498,346	208,850	763,847	1,491,267	(36,882)	1,454,385	
4663	1,331,204	1,166,401	869,393	1,683,663	75,325	3,794,781	68,222	600,138	26,708	695,068	1,795,872	10,424	1,806,296	
4679	1,052,069	921,823	687,094	1,330,623	254,884	3,194,423	53,917	474,298	17,490	545,704	1,419,303	69,749	1,489,053	
4680	853,892	748,181	557,667	1,079,975	16,835	2,402,657	43,760	384,955	68,931	497,646	1,151,951	(8,713)	1,143,238	
4701	1,515,761	1,328,110	989,925	1,917,085	271,322	4,506,443	77,680	683,341	83,587	844,607	2,044,851	58,839	2,103,690	

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Pension Amounts by Employer

As of and for the fiscal year ended June 30, 2020

District code	Deferred outflows of resources						Deferred inflows of resources					Pension expense		
	Net pension liability (asset)	Differences between expected and actual experience	Net difference between projected and actual investment earnings on pension plan investments	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred outflows of resources	Differences between expected and actual experience	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred inflows of resources	Proportionate share of allocable plan pension expense	Net amortization of deferred amounts from changes in proportion and differences between employer contributions and proportionate share of contributions	Total pension expense	
4703	\$ 1,273,791	1,116,096	831,897	1,611,050	240,316	3,799,360	65,279	574,255	60,845	700,380	1,718,419	58,045	1,776,464	
4704	1,215,742	1,065,233	793,986	1,537,631	105,485	3,502,335	62,304	548,085	16,195	626,585	1,640,107	13,449	1,653,557	
4705	1,664,923	1,458,805	1,087,341	2,105,740	147,710	4,799,596	85,324	750,586	91,023	926,933	2,246,078	11,980	2,258,058	
4854	1,625,505	1,424,268	1,061,597	2,055,886	48,042	4,589,794	83,304	732,816	120,341	936,461	2,192,902	(22,214)	2,170,688	
4855	507,352	444,542	331,345	641,682	78,235	1,495,804	26,001	228,726	10,348	265,075	684,447	18,969	703,416	
4857	3,242,650	2,841,210	2,117,734	4,101,197	198,335	9,258,476	166,180	1,461,862	340,369	1,968,411	4,374,524	(70,954)	4,303,570	
4862	2,910,824	2,550,464	1,901,023	3,681,515	229,723	8,362,725	149,174	1,312,268	45,845	1,507,286	3,926,872	43,363	3,970,235	
4863	3,537,579	3,099,627	2,310,349	4,474,215	285,332	10,169,524	181,294	1,594,824	87,543	1,863,661	4,772,402	54,225	4,826,627	
4877	1,498,494	1,312,980	978,648	1,895,246	55,125	4,241,999	76,795	675,556	122,046	874,397	2,021,556	(20,676)	2,000,880	
4879	1,125,606	986,256	735,119	1,423,629	58,247	3,203,251	57,685	507,449	51,227	616,361	1,518,508	9,626	1,528,134	
4883	38,608	33,828	25,214	48,830	16,828	124,701	1,979	17,405	6,232	25,616	52,084	3,646	55,731	
4884	492,811	431,801	321,849	623,291	4,272	1,381,212	25,256	222,171	61,479	308,905	664,831	(15,417)	649,414	
4885	1,256,885	1,101,282	820,856	1,589,667	102,981	3,614,786	64,413	566,633	40,525	671,571	1,695,611	15,281	1,710,893	
4890	1,968,723	1,724,995	1,285,749	2,489,976	126,778	5,627,499	100,893	887,546	73,465	1,061,905	2,655,923	23,017	2,678,940	
4892	1,803,766	1,580,460	1,178,017	2,281,344	53,499	5,093,320	92,440	813,180	63,796	969,415	2,433,386	(5,295)	2,428,090	
4894	1,820,918	1,595,489	1,189,219	2,303,038	151,771	5,239,517	93,319	820,913	40,623	954,854	2,456,525	41,692	2,498,217	
4901	1,220,223	1,069,160	796,913	1,543,298	154,922	3,564,292	62,534	550,105	164,836	777,475	1,646,152	14,617	1,660,769	
4905	316,808	277,587	206,903	400,689	454,795	1,339,974	16,236	142,825	123,071	282,132	427,393	53,244	480,637	
4906	1,636,045	1,433,503	1,068,481	2,069,217	96,579	4,667,780	83,844	737,568	48,299	869,711	2,207,121	14,838	2,221,959	
4907	2,530,475	2,217,203	1,652,622	3,200,462	164,756	7,235,043	129,682	1,140,797	133,206	1,403,685	3,413,759	(6,265)	3,407,494	
4908	712,229	624,055	465,148	900,804	900,804	2,024,307	36,500	321,090	26,202	383,792	960,839	2,507	963,346	
4909	1,927,121	1,688,543	1,258,579	2,437,359	33,765	5,418,247	98,761	868,791	119,769	1,087,321	2,599,799	(17,589)	2,582,210	
4910	919,284	805,476	600,373	1,162,680	111,465	2,679,994	47,112	414,435	168,448	629,994	1,240,167	(10,695)	1,229,473	
4976	435,655	381,721	284,521	551,002	19,036	1,236,279	22,326	196,403	22,520	241,250	587,724	(2,642)	585,082	
4978	499,592	437,743	326,278	631,868	13,928	1,409,817	25,603	225,228	84,954	335,785	673,979	(17,462)	656,518	
4979	674,737	591,205	440,663	853,386	61,247	1,946,500	34,579	304,187	18,842	357,609	910,260	8,775	919,035	
4980	357,221	312,997	233,296	451,801	37,594	1,035,688	18,307	161,043	25,423	204,774	481,912	8,020	489,932	
4981	412,478	361,414	269,385	521,689	78,923	1,231,410	21,139	185,955	71,934	279,027	556,457	(8,736)	547,721	
4982	627,240	549,588	409,643	793,312	16,952	1,769,494	32,145	282,774	39,229	354,148	846,183	(9,386)	836,797	
4983	497,734	436,114	325,064	629,517	66,940	1,457,635	25,508	224,390	81,845	331,743	671,472	(4,912)	666,560	
5001	1,005,948	881,412	656,972	1,272,290	83,622	2,894,297	51,553	453,505	208,279	713,337	1,357,083	(32,927)	1,324,156	
5002	626,216	548,690	408,974	792,017	77,755	1,827,436	32,092	282,313	157,437	471,842	844,802	(12,064)	832,738	
5003	788,500	690,883	514,959	997,269	52,418	2,255,529	40,409	355,474	120,195	516,079	1,063,732	(17,925)	1,045,807	
5026	558,491	489,350	364,744	706,361	42,112	1,602,567	28,622	251,781	50,208	330,611	753,437	2,289	755,727	
5027	1,046,054	916,553	683,165	1,323,015	234,753	3,157,485	53,608	471,586	149,616	674,810	1,411,188	3,691	1,414,879	
5028	501,585	439,489	327,579	634,388	118,610	1,520,066	25,705	226,126	57,670	309,502	676,668	20,977	697,645	
5076	1,418,114	1,242,552	926,153	1,793,584	94,837	4,057,126	72,676	639,319	27,114	739,109	1,913,119	25,024	1,938,143	
5078	1,080,371	946,621	705,577	1,366,417	116,629	3,135,244	55,367	487,056	5,319	547,742	1,457,483	22,229	1,479,712	
5102	3,596,375	3,151,144	2,348,748	4,548,578	90,671	10,139,142	184,307	1,621,330	68,569	1,874,207	4,851,721	11,968	4,863,689	
5103	1,824,023	1,598,209	1,191,247	2,306,964	205,050	5,301,471	93,478	822,312	8,531	924,321	2,460,714	41,057	2,501,771	
5107	1,340,493	1,174,540	875,460	1,695,412	9,093	3,754,505	68,698	604,326	106,605	779,628	1,808,404	(22,091)	1,786,313	
5108	1,130,062	990,161	738,030	1,429,266	100,710	3,258,167	57,914	509,459	76,016	643,389	1,524,520	8,480	1,533,001	
5251	897,646	786,518	586,242	1,135,314	1,051	2,509,124	46,003	404,680	129,316	579,999	1,210,977	(32,844)	1,178,133	

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Pension Amounts by Employer

As of and for the fiscal year ended June 30, 2020

District code	Deferred outflows of resources					Deferred inflows of resources					Pension expense		
	Net pension liability (asset)	Differences between expected and actual experience	Net difference between projected and actual investment earnings on pension plan investments	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred outflows of resources	Differences between expected and actual experience	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred inflows of resources	Proportionate share of allocable plan pension expense	Net amortization of deferred amounts from changes in proportion and differences between employer contributions and proportionate share of contributions	Total pension expense
5253	\$ 1,224,160	1,072,609	799,484	1,548,278	10,389	3,430,760	62,736	551,880	99,770	714,386	1,651,464	(21,946)	1,629,517
5276	1,571,954	1,377,346	1,026,623	1,988,155	59,757	4,451,882	80,560	708,674	175,376	964,609	2,120,657	(25,355)	2,095,303
5281	541,422	474,394	353,596	684,773	97,800	1,610,563	27,747	244,086	62,191	334,024	730,410	19,834	750,244
5282	561,527	492,010	366,726	710,201	181,487	1,750,425	28,777	253,150	48,557	330,484	757,533	41,791	799,324
5301	630,663	552,587	411,878	797,642	68,839	1,830,947	32,320	284,318	33,255	349,893	850,802	8,878	859,679
5303	329,303	288,535	215,063	416,491	110,468	1,030,558	16,876	148,457	3,055	168,388	444,248	22,100	466,348
5305	477,433	418,327	311,806	603,842	37,553	1,371,528	24,468	215,238	40,045	279,750	644,086	6,911	650,997
5306	793,766	695,498	518,399	1,003,929	58,059	2,275,884	40,679	357,848	69,710	468,237	1,070,836	6,801	1,077,637
5307	1,038,343	909,796	678,129	1,313,262	115,620	3,016,807	53,213	468,109	118,164	639,486	1,400,785	7,263	1,408,048
5308	769,697	674,408	502,679	973,487	33,627	2,184,202	39,445	346,997	42,152	428,595	1,038,366	5,463	1,043,829
5309	320,071	280,446	209,034	404,815	54,255	948,551	16,403	144,296	20,132	180,831	431,795	7,331	439,125
5351	4,504,171	3,946,555	2,941,619	5,696,728	246,749	12,831,651	230,830	2,030,586	93,300	2,354,716	6,076,391	40,355	6,116,745
5352	49,622	43,479	32,407	62,760	5,066	143,712	2,543	22,371	9,228	34,141	66,943	(401)	66,542
5353	517,447	453,387	337,938	654,450	33,201	1,478,976	26,518	233,277	45,261	305,057	698,066	979	699,045
5354	1,479,974	1,296,753	966,553	1,871,822	93,176	4,228,304	75,846	667,207	203,957	947,009	1,996,571	(41,711)	1,954,860
5355	2,850,211	2,497,355	1,861,438	3,604,854	167,956	8,131,603	146,068	1,284,942	128,115	1,559,125	3,845,102	8,544	3,853,646
5356	903,064	791,265	589,780	1,142,166	205,353	2,728,565	46,280	407,123	60,566	513,969	1,218,287	27,201	1,245,488
5357	4,094,209	3,587,346	2,673,877	5,178,221	644,796	12,084,241	209,820	1,845,765	397,887	2,453,473	5,523,327	73,734	5,597,061
5358	8,520,205	7,465,404	5,564,441	10,776,076	229,256	24,035,178	436,644	3,841,108	298,507	4,576,259	11,494,256	(53,916)	11,440,339
5359	758,035	664,190	495,063	958,738	49,938	2,167,930	38,848	341,740	34,780	415,368	1,022,634	1,519	1,024,153
5360	527,510	462,205	344,510	667,178	91,484	1,565,377	27,034	237,814	30,324	295,172	711,642	17,996	729,639
5361	3,929,245	3,442,805	2,566,141	4,969,580	317,454	11,295,981	201,366	1,771,396	—	1,972,762	5,300,781	72,135	5,372,916
5362	478,586	419,337	312,558	605,299	40,571	1,377,765	24,527	215,758	106,848	347,132	645,640	(8,391)	637,249
5363	3,575,661	3,132,995	2,335,220	4,522,379	172,770	10,163,364	183,246	1,611,992	160,051	1,955,288	4,823,776	(2,581)	4,821,195
5364	1,062,034	930,554	693,601	1,343,226	1,618	2,968,999	54,427	478,790	298,473	831,690	1,432,746	(67,391)	1,365,354
5365	35,857	31,418	23,418	45,351	19,994	120,180	1,838	16,165	2,758	20,761	48,373	4,964	53,338
5367	950,703	833,006	620,892	1,202,418	104,512	2,760,829	48,722	428,599	59,650	536,971	1,282,554	19,479	1,302,033
5368	823,177	721,268	537,607	1,041,127	26,112	2,326,114	42,186	371,108	130,305	543,599	1,110,514	(15,012)	1,095,503
5369	249,783	218,860	163,130	315,918	10,204	708,111	12,801	112,608	65,077	190,486	336,972	(15,695)	321,277
5371	276,911	242,629	180,847	350,227	43,834	817,537	14,191	124,838	25,439	164,467	373,569	2,928	376,496
5372	2,028,595	1,777,456	1,324,851	2,565,701	228,989	5,896,996	103,962	914,538	150,438	1,168,938	2,736,694	29,080	2,765,774
5375	2,622,555	2,297,883	1,712,759	3,316,922	518,653	7,846,217	134,401	1,182,309	—	1,316,710	3,537,981	124,968	3,662,949
5376	1,197,473	1,049,226	782,055	1,514,525	66,579	3,412,386	61,368	539,849	194,471	795,688	1,615,462	(48,349)	1,567,113
5379	44,934	39,371	29,346	56,831	94,045	219,593	2,303	20,257	75,346	97,906	60,618	4,314	64,932
5380	560,010	490,681	365,735	708,282	34,386	1,599,084	28,699	252,466	43,896	325,061	755,486	2,372	757,858
5403	6,363,307	5,575,530	4,155,797	8,048,102	383,037	18,162,467	326,107	2,868,728	188,332	3,383,167	8,584,474	35,238	8,619,712
5406	2,658,419	2,329,307	1,736,181	3,362,282	250,320	7,678,089	136,239	1,198,478	204,289	1,539,005	3,586,363	9,622	3,595,985
5407	4,116,726	3,607,075	2,688,583	5,206,700	476,969	11,979,327	210,974	1,855,916	48,508	2,115,399	5,553,704	92,811	5,646,515
5408	4,331,426	3,795,196	2,828,801	5,478,246	537,889	12,640,131	221,977	1,952,708	69,456	2,244,142	5,843,347	95,965	5,939,312
5409	5,263,199	4,611,615	3,437,330	6,656,722	138,089	14,843,757	269,729	2,372,773	98,053	2,740,555	7,100,364	6,487	7,106,850
5415	2,905,137	2,545,482	1,897,309	3,674,323	185,234	8,302,348	148,883	1,488,883	21,088	1,479,675	3,919,200	45,322	3,964,522
5416	1,151,520	1,008,962	752,043	1,456,405	58,634	3,276,044	59,013	519,132	119,718	697,864	1,553,468	(5,164)	1,548,304
5418	5,337,949	4,677,111	3,486,148	6,751,263	500,164	15,414,687	273,560	2,406,472	53,046	2,733,078	7,201,206	85,954	7,287,160

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Pension Amounts by Employer

As of and for the fiscal year ended June 30, 2020

District code	Deferred outflows of resources						Deferred inflows of resources						Pension expense	
	Net pension liability (asset)	Differences between expected and actual experience	Net difference between projected and actual investment earnings on pension plan investments	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred outflows of resources	Differences between expected and actual experience	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred inflows of resources	Proportionate share of allocable plan pension expense	Net amortization of deferred amounts from changes in proportion and differences between employer contributions and proportionate share of contributions	Total pension expense	
5420	\$ 5,081,391	4,452,315	3,318,594	6,426,777	310,302	14,507,987	260,412	2,290,810	28,006	2,579,227	6,855,094	79,653	6,934,747	
5427	263,304	230,707	171,961	333,019	4,780	740,467	13,494	118,704	14,073	146,271	355,213	(1,552)	353,661	
5457	3,741,211	3,278,050	2,443,339	4,731,761	1,652,497	12,105,647	191,730	1,686,626	1,213,623	3,091,979	5,047,113	(22,406)	5,024,707	
5458	4,218,879	3,696,582	2,755,298	5,335,899	526,359	12,314,138	216,209	1,901,969	104,002	2,222,181	5,691,514	95,362	5,786,876	
5501	1,681,163	1,473,035	1,097,947	2,126,280	207,959	4,905,221	86,156	757,908	4,428	848,492	2,267,988	46,253	2,314,240	
5504	1,618,642	1,418,254	1,057,115	2,047,206	186,680	4,709,255	82,952	729,722	9,820	822,494	2,183,643	50,950	2,234,593	
5505	462,279	405,049	301,909	584,675	64,349	1,355,981	23,691	208,406	16,805	248,902	623,641	12,568	636,209	
5506	791,814	693,788	517,124	1,001,461	42,623	2,254,996	40,579	356,969	47,784	445,331	1,068,204	(3,792)	1,064,412	
5507	789,854	692,070	515,844	998,981	327,485	2,534,380	40,478	356,085	128,132	524,695	1,065,559	46,141	1,111,700	
5527	1,004,629	880,256	656,111	1,270,622	71,084	2,878,074	51,485	452,910	95,701	600,096	1,355,304	5,959	1,361,262	
5528	1,082,436	948,431	706,926	1,369,030	82,179	3,106,566	55,473	487,988	90,488	633,948	1,460,270	(10,969)	1,449,301	
5530	1,418,781	1,243,136	926,588	1,794,428	71,142	4,035,294	72,710	639,620	175,990	888,320	1,914,019	(27,261)	1,886,758	
5533	575,363	504,133	375,762	727,700	142,527	1,750,122	29,486	259,387	74,531	363,404	776,198	20,567	796,766	
5534	1,059,008	927,903	691,625	1,339,399	49,050	3,007,976	54,272	477,426	244,574	776,272	1,428,664	(29,718)	1,398,945	
5535	1,715,246	1,502,899	1,120,206	2,169,387	12,507	4,804,999	87,903	773,273	114,881	976,057	2,313,967	(19,584)	2,294,384	
5541	964,603	845,185	629,970	1,219,999	23,094	2,718,248	49,434	434,866	153,703	638,003	1,301,306	(28,350)	1,272,956	
5601	2,519,219	2,207,340	1,645,271	3,186,226	44,202	7,083,039	129,105	1,135,723	72,208	1,337,036	3,398,574	(15,137)	3,383,437	
5676	694,828	608,809	453,784	878,796	28,276	1,969,664	35,609	313,245	60,566	409,420	937,364	(3,965)	933,399	
5677	599,566	525,339	391,569	758,311	7,001	1,682,220	30,727	270,298	67,750	368,775	808,849	(16,760)	792,089	
5678	699,799	613,164	457,030	885,083	153,887	2,109,165	35,863	315,486	110,953	462,303	944,070	3,679	947,749	
5679	1,353,467	1,185,908	883,933	1,711,821	140,948	3,922,611	69,363	610,175	24,042	703,579	1,825,907	29,994	1,855,900	
5680	1,247,796	1,093,319	814,920	1,578,172	158,590	3,645,002	63,947	562,536	3,096	629,579	1,683,350	45,593	1,728,943	
5681	618,009	541,499	403,614	781,637	43,737	1,770,488	31,672	278,613	38,956	349,240	833,730	1,361	835,091	
5682	803,962	704,432	525,058	1,016,825	3,208	2,249,523	41,202	362,445	125,292	528,938	1,084,592	(25,672)	1,058,920	
5683	1,171,260	1,026,258	764,935	1,481,371	18,422	3,290,986	60,025	528,031	39,554	627,610	1,580,098	(8,005)	1,572,093	
5684	478,598	419,348	312,567	605,315	25,966	1,363,196	24,527	215,763	2,981	243,271	645,657	6,650	652,307	
5685	734,964	643,976	479,996	929,558	159,446	2,212,976	37,665	331,339	12,784	381,789	991,510	34,610	1,026,119	
5687	1,415,926	1,240,635	924,724	1,790,817	47,861	4,004,037	72,564	638,333	33,590	744,486	1,910,168	(438)	1,909,729	
5688	488,400	427,936	318,968	617,712	71,554	1,436,170	25,030	220,182	—	245,212	658,880	19,897	678,777	
5691	221,087	193,716	144,389	279,623	22,700	640,429	11,330	99,671	50,001	161,002	298,259	(7,680)	290,579	
5692	1,146,137	1,004,245	748,528	1,449,596	42,470	3,244,840	58,737	516,705	23,634	599,077	1,546,206	9,368	1,555,574	
5693	333,640	292,335	217,896	421,976	67,397	999,605	17,098	150,413	3,935	171,446	450,099	18,808	468,907	
5694	288,295	252,604	188,282	364,626	63,629	869,140	14,775	129,970	19,671	164,416	388,926	14,022	402,949	
5695	283,198	248,138	184,953	358,180	63,109	854,380	14,513	127,672	13,324	155,510	382,051	7,592	389,643	
5801	4,004,208	3,508,487	2,615,099	5,064,391	73,229	11,261,206	205,208	1,805,191	193,828	2,204,227	5,401,911	(56,116)	5,345,795	
5806	2,336,624	2,047,351	1,526,021	2,955,286	63,622	6,592,279	119,748	1,053,405	113,588	1,286,741	3,152,243	(12,230)	3,140,014	
5807	709,014	621,238	463,049	896,738	424,866	2,405,891	36,336	319,640	73,276	429,252	956,502	120,723	1,077,225	
5812	952,419	834,510	622,013	1,204,589	39,488	2,700,600	48,810	429,373	84,240	562,423	1,284,869	(12,664)	1,272,205	
5813	977,816	856,762	638,599	1,236,709	379,878	3,111,948	50,111	440,822	4,396	495,329	1,319,130	86,497	1,405,628	
5817	3,224,990	2,825,736	2,106,201	4,078,861	429,914	9,440,713	165,275	1,453,901	69,482	1,688,657	4,350,700	63,585	4,414,285	
5820	970,272	850,153	633,673	1,227,169	431,883	3,142,878	49,725	437,422	34,155	521,301	1,308,954	131,372	1,440,326	
5821	1,522,582	1,334,087	994,380	1,925,712	418,685	4,672,863	78,029	686,416	279,093	1,043,538	2,054,052	2,704	2,056,756	
5822	1,781,836	1,561,245	1,163,695	2,253,608	839,909	5,818,458	91,316	803,294	117,824	1,012,433	2,403,802	176,613	2,580,414	

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Pension Amounts by Employer

As of and for the fiscal year ended June 30, 2020

District code	Deferred outflows of resources					Deferred inflows of resources					Pension expense		
	Net pension liability (asset)	Differences between expected and actual experience	Net difference between projected and actual investment earnings on pension plan investments	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred outflows of resources	Differences between expected and actual experience	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred inflows of resources	Proportionate share of allocable plan pension expense	Net amortization of deferred amounts from changes in proportion and differences between employer contributions and proportionate share of contributions	Total pension expense
5823	\$ 487,687	427,312	318,503	616,811	92,966	1,455,591	24,993	219,861	94,560	339,414	657,919	5,493	663,411
6001	4,178,623	3,661,310	2,729,007	5,284,986	815,346	12,490,649	214,146	1,883,821	133,933	2,231,900	5,637,207	186,522	5,823,729
6005	3,542,254	3,103,723	2,313,402	4,480,127	—	9,897,253	181,534	1,596,931	553,362	2,331,827	4,778,708	(131,353)	4,647,355
6008	3,258,826	2,855,383	2,128,299	4,121,656	224,064	9,329,402	167,009	1,469,155	435,750	2,071,913	4,396,346	(55,374)	4,340,973
6011	1,724,701	1,511,183	1,126,381	2,181,345	58,511	4,877,420	88,388	777,535	341,704	1,207,627	2,326,722	(66,448)	2,260,274
6018	1,554,298	1,361,876	1,015,093	1,965,825	324,884	4,667,678	79,655	700,714	131,066	911,435	2,096,839	36,830	2,133,669
6022	1,606,685	1,407,777	1,049,306	2,032,082	352,453	4,841,619	82,339	724,331	116,958	923,628	2,167,512	55,118	2,222,630
6026	3,130,179	2,742,663	2,044,282	3,958,948	240,150	8,986,043	160,416	1,411,158	200,144	1,771,718	4,222,795	18,072	4,240,867
6027	4,795,122	4,201,486	3,131,635	6,064,713	354,314	13,752,149	245,741	2,161,753	336,479	2,743,973	6,468,900	46,096	6,514,996
6028	4,088,147	3,582,035	2,669,919	5,170,555	87,653	11,510,162	209,510	1,843,033	615,621	2,668,163	5,515,150	(96,094)	5,419,056
6036	685,304	600,463	447,564	866,750	355,719	2,270,496	35,121	308,951	6,272	350,344	924,515	95,933	1,020,448
6040	1,269,602	1,112,426	829,162	1,605,751	88,620	3,635,958	65,065	572,366	299,478	936,909	1,712,768	(29,873)	1,682,895
6041	1,802,807	1,579,620	1,177,391	2,280,132	36,759	5,073,901	92,390	812,748	322,708	1,227,846	2,432,093	(71,691)	2,360,402
6042	1,594,706	1,397,282	1,041,483	2,016,933	7,551	4,463,248	81,726	718,931	231,331	1,031,988	2,151,352	(53,625)	2,097,727
6044	2,407,692	2,109,620	1,572,434	3,045,170	356,861	7,084,084	123,390	1,085,444	200,738	1,409,572	3,248,117	76,354	3,324,471
6048	1,885,776	1,652,317	1,231,577	2,385,067	297,922	5,566,882	96,642	850,152	51,940	998,734	2,544,022	46,730	2,590,752
6050	2,314,420	2,027,895	1,511,519	2,922,202	369,933	6,836,549	118,610	1,043,395	336,482	1,498,487	3,122,288	21,336	3,143,624
6051	5,647,009	4,947,910	3,687,992	7,142,152	25,708	15,803,763	289,398	2,545,804	904,692	3,739,894	7,618,146	(218,887)	7,399,259
6052	3,522,828	3,086,702	2,300,715	4,455,557	402,862	10,245,836	180,538	1,588,173	201,310	1,970,021	4,752,501	13,329	4,765,830
6056	15,750,322	13,800,434	10,286,341	19,920,492	654,183	44,661,449	807,174	7,100,614	1,380,320	9,288,108	21,248,107	(102,448)	21,145,659
6057	3,345,179	2,931,046	2,184,695	4,230,872	—	9,346,613	171,434	1,508,085	688,098	2,367,616	4,512,842	(155,604)	4,357,238
6061	5,671,484	4,969,355	3,703,976	7,173,107	181,815	16,028,253	290,653	2,556,838	270,893	3,118,383	7,651,164	(63,199)	7,587,965
6065	6,769,976	5,931,854	4,421,388	8,562,444	160,032	19,075,717	346,948	3,052,064	521,745	3,920,757	9,133,094	(80,300)	9,052,794
6067	3,467,937	3,038,607	2,264,867	4,386,134	98,084	9,787,692	177,725	1,563,428	234,034	1,975,187	4,678,451	(27,366)	4,651,084
6068	2,924,007	2,562,016	1,909,633	3,698,189	—	8,169,838	149,850	1,318,211	1,118,000	2,586,061	3,944,657	(249,620)	3,695,037
6074	3,964,088	3,473,334	2,588,897	5,013,649	151,345	11,227,225	203,152	1,787,104	354,559	2,344,814	5,347,787	(13,903)	5,333,884
6075	2,892,370	2,534,295	1,888,971	3,658,175	326,481	8,407,921	148,228	1,303,948	177,959	1,630,136	3,901,976	56,930	3,958,906
6078	7,382,688	6,468,712	4,821,543	9,337,382	438,378	21,066,015	378,349	3,328,289	819,837	4,526,474	9,959,679	(133,234)	9,826,445
6079	3,212,135	2,814,473	2,097,806	4,062,604	274,116	9,248,998	164,616	1,448,106	70,159	1,682,881	4,333,359	43,581	4,376,940
6091	14,346,440	12,570,352	9,369,483	18,144,907	1,004,895	41,089,637	735,227	6,467,711	629,467	7,832,406	19,354,187	20,159	19,374,346
6093	7,272,099	6,371,814	4,749,318	9,197,513	1,030,209	21,348,854	372,681	3,278,433	204,001	3,855,115	9,810,487	271,424	10,081,912
6094	4,676,880	4,097,883	3,054,413	5,915,165	55,267	13,122,727	239,681	2,108,447	326,098	2,674,226	6,309,385	(78,406)	6,230,979
6095	1,779,691	1,559,366	1,162,294	2,250,895	271,348	5,243,904	91,206	802,327	21,326	914,859	2,400,908	71,961	2,472,869
6097	1,431,572	1,254,344	934,942	1,810,606	189,553	4,189,444	73,365	645,386	100,721	819,473	1,931,275	(4,284)	1,926,991
6099	2,169,557	1,900,966	1,416,911	2,743,985	403,437	6,465,299	111,186	978,087	581,956	1,671,229	2,926,860	28,730	2,955,589
6104	2,954,120	2,588,400	1,929,299	3,736,274	334,224	8,588,198	151,393	1,331,787	154,712	1,637,892	3,985,281	26,545	4,011,825
6105	5,149,231	4,511,756	3,362,899	6,512,578	341,018	14,728,252	263,888	3,321,394	803,261	3,388,543	6,946,614	(159,597)	6,787,016
6109	4,554,877	3,990,984	2,974,734	5,760,860	1,267,541	13,994,119	233,429	2,053,446	137,755	2,424,629	6,144,796	305,440	6,450,236
6507	145,589	127,565	95,083	184,136	47,891	454,676	7,461	65,635	11,582	84,678	196,408	7,972	204,380
6511	70,695	61,943	46,170	89,412	35,570	233,094	3,623	31,871	7,293	42,787	95,371	7,580	102,951
7000	24,716,608	21,656,694	16,142,111	31,260,756	238,988	69,298,550	1,266,679	11,142,826	6,304,775	18,714,280	33,344,151	(1,562,865)	31,781,286
7500	152,732	133,824	99,748	193,171	109,191	535,934	7,827	68,855	2,302	78,985	206,045	23,497	229,542
7501	382,705	335,326	249,940	484,033	164,057	1,233,355	19,613	172,532	14,465	206,611	516,291	43,117	559,408

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Pension Amounts by Employer

As of and for the fiscal year ended June 30, 2020

District code	Deferred outflows of resources						Deferred inflows of resources					Pension expense		
	Net pension liability (asset)	Differences between expected and actual experience	Net difference between projected and actual investment earnings on pension plan investments	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred outflows of resources	Differences between expected and actual experience	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred inflows of resources	Proportionate share of allocable plan pension expense	Net amortization of deferred amounts from changes in proportion and differences between employer contributions and proportionate share of contributions	Total pension expense	
7502	\$ 76,032	66,619	49,655	96,163	16,727	229,165	3,896	34,277	58,497	96,671	102,571	(13,732)	88,840	
8000	2,603,102	2,280,839	1,700,054	3,292,319	447,073	7,720,284	133,404	1,173,540	17,805	1,324,749	3,511,738	110,674	3,622,411	
8102	590,380	517,291	385,570	746,694	40,264	1,689,819	30,256	266,157	75,712	372,125	796,457	(13,525)	782,933	
8105	648,758	568,442	423,696	820,528	209,972	2,022,637	33,248	292,475	100,140	425,862	875,212	51,026	926,238	
8110	1,215,549	1,065,065	793,860	1,537,387	92,821	3,489,133	62,295	3,489,998	150,508	760,801	1,639,847	(34,455)	1,605,392	
8112	193,125	169,216	126,128	244,258	161,352	700,955	9,897	87,065	—	96,963	260,537	40,658	301,196	
8113	288,067	252,404	188,133	364,338	25,723	830,599	14,763	129,867	17,831	162,461	388,619	(1,442)	387,177	
8115	305,985	268,104	199,835	386,999	92,988	947,926	15,681	137,945	29,690	183,316	412,791	19,113	431,905	
8120	1,176,234	1,030,616	768,184	1,487,662	—	3,286,463	60,280	530,274	397,310	987,864	1,586,809	(107,109)	1,479,700	
8124	2,775,819	2,432,173	1,812,853	3,510,765	127,366	7,883,158	142,255	1,251,404	404,031	1,797,691	3,744,743	(52,696)	3,692,047	
8129	837,256	733,604	546,802	1,058,934	115,124	2,454,463	42,908	377,455	82,756	503,118	1,129,507	26,670	1,156,177	
8130	3,413,811	2,991,182	2,229,518	4,317,677	1,516,395	11,054,772	174,951	1,539,026	686,488	2,400,466	4,605,432	153,009	4,758,440	
8131	470,948	412,645	307,570	595,639	103,497	1,419,351	24,135	212,314	24,833	261,282	635,336	8,684	644,021	
8133	689,577	604,208	450,354	872,155	141,151	2,067,868	35,340	310,878	25,497	371,714	930,280	24,555	954,835	
8134	239,914	210,213	156,685	303,436	212,186	882,520	12,295	108,159	—	120,454	323,659	48,702	372,361	
8135	1,733,414	1,518,818	1,132,071	2,192,365	378,244	5,221,498	88,834	781,464	140,709	1,011,007	2,338,477	71,254	2,409,731	
8140	413,282	362,118	269,909	522,706	63,867	1,218,600	21,180	186,317	52,642	260,139	557,542	8,359	565,901	
8142	716,818	628,076	468,145	906,608	298,193	2,301,022	36,736	323,158	58,223	418,117	967,030	46,360	1,013,389	
8145	693,795	607,903	453,109	877,489	209,409	2,147,909	35,556	312,779	191,765	540,099	935,970	10,603	946,573	
8146	1,684,652	1,476,092	1,100,226	2,130,693	475,388	5,182,399	86,335	759,481	35,518	881,334	2,272,694	94,087	2,366,781	
8149	294,304	257,869	192,206	372,226	87,711	910,013	15,083	123,679	825,777	273,539	397,033	3,538	400,571	
8150	3,930,918	3,444,270	2,567,234	4,971,696	535,945	11,519,145	201,452	1,772,150	822,460	2,796,062	5,303,038	14,413	5,317,451	
8151	1,586,453	1,390,050	1,036,093	2,006,493	606,932	5,039,568	81,303	715,210	183,346	979,859	2,140,217	87,489	2,227,707	
8153	611,218	535,549	399,179	773,048	273,678	1,981,453	31,324	275,551	235,094	541,969	824,568	50,245	874,814	
8155	988,311	865,958	645,454	1,249,984	173,742	2,935,138	50,649	445,554	63,206	559,409	1,333,290	12,778	1,346,068	
8160	1,114,040	976,122	727,566	1,409,002	212,657	3,325,347	57,092	502,235	315,455	874,783	1,502,906	(32,386)	1,470,520	
8162	329,870	289,032	215,434	417,209	88,443	1,010,118	16,905	148,713	70,525	236,143	445,014	5,781	450,795	
8166	4,769,438	4,178,982	3,114,861	6,032,229	211,495	13,537,567	244,425	2,150,174	138,867	2,533,466	6,434,251	7,799	6,442,050	
8167	176,038	154,244	114,968	222,647	81,831	573,690	9,022	79,362	7,970	96,354	237,485	15,539	253,024	
8168	323,454	283,411	211,244	409,094	89,448	993,197	16,576	145,821	49,201	211,598	436,359	2,167	438,526	
8169	285,038	249,750	186,155	360,506	171,935	968,346	14,608	128,502	8,663	151,772	384,533	31,795	416,327	
8170	2,278,921	1,996,791	1,488,335	2,882,305	234,830	6,602,260	116,790	1,027,391	1,127,600	2,271,771	3,074,398	(221,789)	2,852,609	
8400	775,443	679,443	506,432	980,754	53,480	2,220,110	39,740	349,588	142,343	531,670	1,046,118	(37,558)	1,008,559	
8402	949,602	832,041	620,173	1,201,025	29,545	2,682,785	48,665	428,103	1,034,015	1,510,783	1,281,069	(190,069)	1,091,000	
8403	560,504	491,113	366,058	708,907	—	1,566,079	28,725	252,688	316,795	598,208	756,152	(76,031)	680,121	
8406	274,101	240,167	179,012	346,673	34,026	799,878	14,047	123,571	44,581	182,199	369,778	(8,063)	361,715	
8407	2,126,325	1,863,086	1,388,676	2,689,306	290,867	6,231,935	108,970	958,597	1,133,135	2,200,702	2,868,536	(208,191)	2,660,346	
8409	1,152,824	1,010,104	752,895	1,458,054	363	3,221,416	59,080	519,720	419,371	998,171	1,555,227	(103,389)	1,451,838	
8410	629,254	551,353	410,958	795,860	36,477	1,794,648	32,248	283,683	484,419	800,349	848,901	(98,819)	750,081	
8412	912,990	799,962	596,262	1,154,719	211,537	2,762,480	46,789	411,597	398,633	857,019	1,231,677	(48,810)	1,182,867	
8415	935,918	820,051	611,236	1,183,718	58,286	2,673,291	47,964	421,934	410,902	880,799	1,262,608	(107,243)	1,155,364	
8416	332,783	291,584	217,336	420,893	216,457	1,146,270	17,054	150,026	111,631	278,712	448,944	9,926	458,870	
8419	865,528	758,376	565,266	1,094,692	10,376	2,428,710	44,357	390,200	844,243	1,278,800	1,167,648	(163,601)	1,004,048	

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Schedule of Pension Amounts by Employer

As of and for the fiscal year ended June 30, 2020

District code	Deferred outflows of resources						Deferred inflows of resources					Pension expense		
	Net pension liability (asset)	Differences between expected and actual experience	Net difference between projected and actual investment earnings on pension plan investments	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred outflows of resources	Differences between expected and actual experience	Changes of assumptions	Changes in proportion and differences between employer contributions and proportionate share of contributions	Total deferred inflows of resources	Proportionate share of allocable plan pension expense	Net amortization of deferred amounts from changes in proportion and differences between employer contributions and proportionate share of contributions	Total pension expense	
8420	\$ 612,358	536,548	399,923	774,490	185,838	1,896,800	31,382	276,065	214,693	522,141	826,107	(3,899)	822,208	
8421	497,126	435,582	324,667	628,749	16,913	1,405,911	25,477	224,116	214,410	464,002	670,652	(43,152)	627,500	
8423	261,212	228,874	170,595	330,373	86,048	815,890	13,387	117,761	42,540	173,687	352,391	552	352,943	
8424	212,942	186,579	139,069	269,321	999	595,970	10,913	95,999	50,785	157,697	287,271	(15,276)	271,995	
8425	610,070	534,544	398,429	771,597	8,720	1,713,290	31,265	275,034	510,596	816,895	823,021	(101,317)	721,704	
8427	96,851	84,861	63,252	122,494	71,239	341,846	4,963	43,663	20,588	69,214	130,657	10,175	140,832	
8428	779,581	683,069	509,135	985,989	—	2,178,193	39,952	351,454	342,386	733,791	1,051,701	(68,580)	983,121	
8429	364,697	319,547	238,179	461,256	88,517	1,107,499	18,690	164,414	226,381	409,485	491,997	(40,865)	451,133	
8430	434,189	380,436	283,564	549,148	—	1,213,148	22,251	195,743	290,985	508,978	585,746	(73,851)	511,896	
8431	541,324	474,308	353,532	684,649	—	1,512,490	27,742	244,042	570,134	841,917	730,278	(132,899)	597,379	
8432	431,765	378,313	281,981	546,083	10,762	1,217,138	22,127	194,650	473,798	690,575	582,477	(152,651)	429,826	
8433	210,571	184,502	137,521	266,323	13,529	601,875	10,791	94,930	342,902	448,623	284,072	(69,933)	214,139	
8434	416,017	364,514	271,696	526,165	—	1,162,375	21,320	187,550	701,999	910,870	561,231	(140,187)	421,044	
8435	284,844	249,581	186,028	360,262	—	795,871	14,598	128,415	466,881	609,894	384,272	(96,959)	287,313	
8436	786,772	689,370	513,831	995,084	—	2,198,285	40,321	354,695	1,250,538	1,645,554	1,061,402	(278,773)	782,629	
8437	333,249	291,993	217,641	421,482	—	931,116	17,078	150,236	600,257	767,572	449,572	(98,403)	351,170	
Closed Districts	—	—	—	—	1,717,789	1,717,789	—	—	132,737	132,737	—	385,739	385,739	

See accompanying notes to schedule of employer allocations and schedule of pension amounts by employer.

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer

June 30, 2020

(1) Plan Description

The New York State Teachers' Retirement System (NYSTRS or the System) is a public employee retirement system (PERS) that was created and exists, pursuant to Article 11 of the New York State Education Law. The System is the administrator of a cost-sharing, multiple-employer, defined benefit plan, administered by a 10-member Board to provide pension benefits for teachers employed by participating employers in the State of New York, excluding New York City. For additional Plan information please refer to the NYSTRS Comprehensive Annual Financial Report which can be found on the System's website located at www.nystrs.org.

(a) Benefits

The benefits provided to members of the System are established by New York State law and may be amended only by the Legislature with the Governor's approval. Benefit provisions vary depending on date of membership and are subdivided into the following six classes:

(i) *Tier 1*

Members who last joined prior to July 1, 1973 are covered by the provisions of Article 11 of the Education Law.

(ii) *Tier 2*

Members who last joined on or after July 1, 1973 and prior to July 27, 1976 are covered by the provisions of Article 11 of the Education Law and Article 11 of the Retirement and Social Security Law (RSSL).

(iii) *Tier 3*

Members who last joined on or after July 27, 1976 and prior to September 1, 1983 are covered by the provisions of Article 14 and Article 15 of the RSSL.

(iv) *Tier 4*

Members who last joined on or after September 1, 1983 and prior to January 1, 2010 are covered by the provisions of Article 15 of the RSSL.

(v) *Tier 5*

Members who joined on or after January 1, 2010 and prior to April 1, 2012 are covered by the provisions of Article 15 of the RSSL.

(vi) *Tier 6*

Members who joined on or after April 1, 2012 are covered by the provisions of Article 15 of the RSSL.

(b) Service Retirements

Tier 1 and 2 members are generally eligible for a service retirement benefit of 2.0% per year of credited service times final average salary (FAS). A 5% reduction generally applies for each full year of state service under 20 years (prorated for partial years with a maximum reduction of 50%). Tier 1 and 2 members may retire as early as age 55 with five or more years of state service credit. Retirement may also occur for Tier 1 members at age 55 with less than five years of service if two years are credited since July 1, 1967, after the current membership date, and since the member turned age 53.

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer

June 30, 2020

Generally, the maximum pension payable to Tier 1 and 2 members (with two years of credit under the Article 19 Benefit Enhancement law) is 79% of FAS. An age factor applies to Tier 2 members who retire before age 62 with less than 30 years of service. There is no age factor for Tier 1 members.

Tier 3 and 4 members are generally eligible for a service retirement benefit of 1.67% per year of credited service times FAS for less than 20 years of service, 2.0% per year for 20 to 30 years of service, and 60% of FAS plus 1.5% per year for service beyond 30 years. Tier 3 and 4 members may retire as early as age 55 with five years of state service credit. An age factor applies for Tier 3 and 4 members who retire before age 62 with less than 30 years of service.

Tier 5 members are generally eligible for a service retirement benefit of 1.67% per year of credited service times FAS for less than 25 years of service, 2.0% per year for 25 to 30 years of service, and 60% of FAS plus 1.5% per year for service beyond 30 years. Tier 5 members may retire as early as age 55 with 10 years of state service credit. An age factor applies to Tier 5 members who retire before age 57 or retire between age 57 and 62 with less than 30 years of service.

Tier 6 members are generally eligible for a service retirement benefit of 1.67% per year of credited service times FAS for less than 20 years of service, 1.75% per year for 20 years of service, and 35% of FAS plus 2% per year for service beyond 20 years. Tier 6 members may retire as early as age 55 with 10 years of state service credit. An age factor applies for Tier 6 members who retire before age 63.

(c) Vested Benefits

Retirement benefits for Tiers 1-4 are vested after five years of credited service while benefits for Tiers 5-6 are vested after 10 years of credited service. Benefits are payable at age 55 or greater with the limitations noted for service retirements above.

(d) Disability Retirement

Members are eligible for disability retirement benefits after 10 years of credited New York State service, except for Tier 3 where disability retirement is permissible after five years of credited New York State service pursuant to the provisions of Article 14 of the RSSL. The Tier 3 benefit is integrated with Social Security.

(e) Death Benefits

Death benefits are paid to the beneficiary of active members who die in service and certain retirees. For active members, the benefit is based on final salary, age and the number of years of credited service. For retired members, it is also based on the number of years in retirement.

(f) Prior and Military Service

After two years of membership, members of all tiers may claim and receive credit for prior New York State public or teaching service. Only Tier 1 and 2 members may, under certain conditions, claim out-of-state service. Certain members may also claim military service credit prior to or interrupting membership.

(g) Tier Reinstatement

In accordance with Chapter 640 of the Laws of 1998, any active member who had a prior membership may elect to be reinstated to their original date and tier of membership.

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Notes to Schedule of Employer Allocations and Schedule of
Pension Amounts by Employer

June 30, 2020

(h) Permanent Cost-of-Living Adjustment (COLA)

Section 532-a of the Education Law provides a permanent cost-of-living benefit to both current and future retired members. This benefit will be paid commencing September of each year to retired members who have attained age 62 and have been retired for five years or attained age 55 and have been retired for 10 years. Disability retirees must have been retired for five years, regardless of age, to be eligible. The annual COLA percentage is equal to 50% of the increase in the consumer price index, not to exceed 3.0% nor be lower than 1.0%. It is applied to the first \$18,000 of the annual benefit. The applicable percentage payable beginning September 2020 is 1.0%.

Members who retired prior to July 1, 1970 are eligible for a minimum benefit of \$17,500 dollars for 35 years of credited full-time New York State service. Certain members who retire pursuant to the provisions of Article 14 of the RSSL are eligible for automatic cost-of-living supplementation based on the increase in the Consumer Price Index with a maximum per annum increase of 3.0%.

(2) Contributions

(a) Employer Contributions

Pursuant to Article 11 of the New York State Education Law, employers are required to contribute at an actuarially determined rate adopted annually by the Retirement Board. The actuarially determined contribution rate applied to 2019-20 salaries is 8.86%. A reconciliation of total required employer contributions presented in the schedule of employer allocations and additions from employer contributions per the System's statement of changes in fiduciary net position for fiscal year June 30, 2020 is as follows:

Total required employer contributions	\$	1,503,822,923
Miscellaneous billing adjustments		864,849
		<hr/>
Additions from employer contributions	\$	<u>1,504,687,772</u>

(b) Member Contributions

Tier 3 and Tier 4 members are required by law to contribute 3.0% of salary to the System. Effective October 2000, contributions were eliminated for Tier 3 and 4 members with 10 or more years of service or membership. Effective January 1, 2010, Tier 5 members are required by law to contribute 3.5% of salary throughout their active membership. Effective April 1, 2012, Tier 6 members are required by law to contribute between 3.0% and 6.0% of salary throughout their active membership in accordance with a schedule based upon salary earned. Pursuant to Article 14 and Article 15 of the RSSL, those member contributions are used to help fund the benefits provided by the System. However, if a member dies or leaves covered employment with less than five years of credited service for Tiers 3 and 4, or 10 years of credited service for Tiers 5 and 6, the member contributions with interest calculated at 5.0% per annum are refunded to the employee or designated beneficiary. Eligible Tier 1 and Tier 2 members may make member contributions under certain conditions pursuant to the provisions of Article 11 of the Education Law and Article 11 of the RSSL. Upon termination of membership, such accumulated member contributions are refunded. At retirement, such accumulated member contributions can be withdrawn or are paid as a life annuity.

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer

June 30, 2020

(3) Basis of Presentation

The schedule of employer allocations and schedule of pension amounts by employer (collectively, the Schedules) present amounts that are elements of the financial statements of the System or of its participating employers. Accordingly, they do not purport to be a complete presentation of the financial position or changes in financial position of either the System or its participating employers. The amounts presented in the Schedules were prepared in accordance with U.S. generally accepted accounting principles. Such preparation requires management of the System to make a number of estimates and assumptions relating to the reported amounts. Due to the inherent nature of these estimates, actual results could differ from those estimates.

(4) Employer Allocation Percentages

The employer allocation percentages presented in the Schedule of Employer Allocations and applied to amounts presented in the Schedule of Pension Amounts by Employer are based on the ratio of each employer's actuarially determined contribution to the System's total actuarially determined employer contribution for the fiscal year ended June 30, 2020. The employer allocation percentages have been rounded for presentation purposes. Therefore, use of these percentages to recalculate individual employer amounts presented in the schedule of pension amounts by employer may result in immaterial differences due to this rounding.

(5) Summary of Significant Accounting Policies

The System's financial statements from which the System's fiduciary net position is determined are prepared using the accrual basis of accounting. Plan member contributions are recognized in the period in which the contributions are due. Employer contributions are recognized when due and the employer has a legal requirement to provide the contributions. Benefits and refunds are recognized when due and payable in accordance with the terms of the plan. Plan investments are reported at fair value. For detailed information on how investments are valued, please refer to the System's annual report.

(6) Collective Net Pension Liability (Asset) and Actuarial Information

The components of the net pension liability (asset) of the participating school districts at June 30, 2020 are as follows:

Total pension liability	\$123,242,776,215
Plan fiduciary net position	<u>120,479,505,380</u>
School districts' net pension liability (asset)	<u>\$ 2,763,270,835</u>
Plan fiduciary net position as a percentage of total pension liability	97.8 %

(a) Actuarial Methods and Assumptions

The total pension liability at June 30, 2020 measurement date was determined using an actuarial valuation as of June 30, 2019, with update procedures used to roll forward the total pension liability to June 30, 2020, using the following actuarial methods and assumptions:

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Notes to Schedule of Employer Allocations and Schedule of Pension Amounts by Employer

June 30, 2020

Actuarial cost method	Entry age normal										
Inflation	2.20%										
Projected salary increases	Rates of increase differ based on service. They have been calculated based upon recent NYSTRS member experience.										
	<table border="0"> <thead> <tr> <th style="text-align: center;"><u>Service</u></th> <th style="text-align: center;"><u>Rate</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">5</td> <td style="text-align: center;">4.72%</td> </tr> <tr> <td style="text-align: center;">15</td> <td style="text-align: center;">3.46</td> </tr> <tr> <td style="text-align: center;">25</td> <td style="text-align: center;">2.37</td> </tr> <tr> <td style="text-align: center;">35</td> <td style="text-align: center;">1.90</td> </tr> </tbody> </table>	<u>Service</u>	<u>Rate</u>	5	4.72%	15	3.46	25	2.37	35	1.90
<u>Service</u>	<u>Rate</u>										
5	4.72%										
15	3.46										
25	2.37										
35	1.90										
Projected COLAs	1.3% compounded annually										
Investment rate of return	7.10% compounded annually, net of pension plan investment expense, including inflation.										

Annuitant mortality rates are based on plan member experience, with adjustments for mortality improvements based on Society of Actuaries Scale MP2019, applied on a generational basis. Active member mortality rates are based on plan member experience.

Most of the demographic actuarial assumptions and the salary scale are based on the results of an actuarial experience study for the period July 1, 2009 to June 30, 2014. NYSTRS runs one-year and five-year experience studies annually in order to gauge the appropriateness of the assumptions and has updated the investment rate of return, inflation, projected COLA, and mortality improvement actuarial assumptions as of June 30, 2019 and updated the mortality improvement assumption as of June 30, 2020.

The long-term expected rate of return on pension plan investments was determined in accordance with Actuarial Standard of Practice (ASOP) No. 27, *Selection of Economic Assumptions for Measuring Pension Obligations*. ASOP No. 27 provides guidance on the selection of an appropriate assumed investment rate of return. Consideration was given to expected future real rates of return (expected returns, net of pension plan investment expense and inflation) for each major asset class as well as historical investment data and plan performance.

The Long-Term Expected Real Rates of Return are presented by asset allocation classification, which differs from the financial statement presentation. Best estimates of arithmetic real rates of return for each major asset class included in the System's target asset allocation as of the measurement date of June 30, 2020 are summarized in the following table:

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Notes to Schedule of Employer Allocations and Schedule of
Pension Amounts by Employer

June 30, 2020

	Target allocation	Long-term expected real rate of return*
Asset class:		
Domestic equity	33%	7.1 %
International equity	16	7.7
Global equity	4	7.4
Real estate equity	11	6.8
Private equity	8	10.4
Domestic fixed income	16	1.8
Global bonds	2	1.0
High-yield bonds	1	3.9
Private debt	1	5.2
Real estate debt	7	3.6
Cash equivalents	1	0.7
Total	100%	

*Real rates of return are net of the long-term inflation assumption of 2.2% for 2020.

(b) Discount Rate

The discount rate used to measure the total pension liability as of June 30, 2020 was 7.10%. The projection of cash flows used to determine the discount rate assumed that contributions from plan members will be made at the current member contribution rates and that contributions from school districts will be made at statutorily required rates, actuarially determined. Based on those assumptions, the System's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

(c) Sensitivity of the Net Pension Liability (Asset) to Changes in the Discount Rate

The following presents the net pension liability (asset) of the NYSTRS participating school districts calculated using the discount rate of 7.10% for June 30, 2020, as well as what the school districts' net pension liability (asset) would be if it were calculated using a discount rate that is 1-percentage-point lower (6.10%) or 1-percentage-point higher (8.10%) than the current rate:

	1% Decrease (6.10%)	Current discount rate (7.10%)	1% Increase (8.10%)
\$	\$ 17,454,629,746	\$ 2,763,270,835	\$ (9,566,502,343)

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Notes to Schedule of Employer Allocations and Schedule of
Pension Amounts by Employer

June 30, 2020

(7) Collective Deferred Outflows of Resources and Deferred Inflows of Resources

Annual changes to the net pension liability (asset) resulting from differences between expected and actual experience with regard to economic and demographic factors and from changes of assumptions about future economic or demographic factors or other inputs are deferred and amortized over a closed period equal to the average of the expected remaining service lives of all members and beneficiaries that are provided with pension benefits determined for the period during which the changes occurred. Differences between projected and actual earnings on pension plan investments are amortized over a closed five-year period. The following presents a summary of changes in the collective deferred outflows of resources and deferred inflows of resources (excluding employer-specific amounts) for the year ended June 30, 2020:

Deferred outflows of resources	Measurement period July 1-June 30	Amortization period	Beginning balance on prior measurement period deferrals	Current measurement period additions	Amortization of amounts recognized in current period pension expense	End of year balance
Differences between expected and actual experience	2017	7.1	\$ 420,333,975	\$ —	\$ (102,520,481)	\$ 317,813,494
	2018	7.1	692,635,939	—	(135,810,969)	556,824,970
	2019	7.1	647,632,942	—	(106,169,335)	541,463,607
	2020	7.1	—	1,169,842,671	(164,766,573)	1,005,076,098
Total			1,760,602,856	1,169,842,671	(509,267,358)	2,421,178,169
Net difference between projected and actual investment earnings on pension plan investments	2016	5	1,100,794,565	—	(1,100,794,565)	—
	2017	5	(2,193,068,643)	—	1,096,534,321	(1,096,534,322)
	2018	5	(1,125,907,547)	—	375,302,516	(750,605,031)
	2019	5	134,714,175	—	(33,678,544)	101,035,631
	2020	5	—	4,438,452,267	(887,690,453)	3,550,761,814
Total			(2,083,467,450)	4,438,452,267	(550,326,725)	1,804,658,092
Changes of assumptions	2016	7.2	3,149,077,027	—	(984,086,571)	2,164,990,456
	2017	7.1	1,758,905,319	—	(429,001,298)	1,329,904,021
Total			4,907,982,346	—	(1,413,087,869)	3,494,894,477
Total deferred outflows of resources			\$ 4,585,117,752	\$ 5,608,294,938	\$ (2,472,681,952)	\$ 7,720,730,738

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Notes to Schedule of Employer Allocations and Schedule of
Pension Amounts by Employer

June 30, 2020

Deferred inflows of resources	Measurement period July 1-June 30	Amortization period	Beginning balance on prior measurement period deferrals	Current measurement period additions	Amortization of amounts recognized in current period pension expense	End of year balance
Differences between expected and actual experience	2014	9.6	\$ 68,187,754	\$ —	\$ (18,941,044)	\$ 49,246,710
	2015	9.4	75,381,961	—	(17,132,263)	58,249,698
	2016	7.2	49,623,139	—	(15,507,230)	34,115,909
Total			193,192,854	—	(51,580,537)	141,612,317
Changes of assumptions	2019	7.1	1,196,704,947	—	(196,181,139)	1,000,523,808
	2020	7.1	—	285,424,039	(40,200,569)	245,223,470
Total			1,196,704,947	285,424,039	(236,381,708)	1,245,747,278
Total deferred inflows of resources			\$ 1,389,897,801	\$ 285,424,039	\$ (287,962,245)	\$ 1,387,359,595

The collective deferred outflows of resources and deferred inflows of resources (excluding employer-specific amounts) reported in the tables above will be amortized in the collective pension expense as follows:

Year ended June 30:

2021	\$ 1,083,925,141
2022	2,180,459,464
2023	1,788,474,924
2024	1,104,354,893
2025	48,135,294
Thereafter	128,021,427
Total	<u>\$ 6,333,371,143</u>

Deferred outflows of resources and deferred inflows of resources resulting from changes in an individual employer's proportion are amortized over a closed period equal to the average of the expected remaining service lives of all members and beneficiaries that are provided with pension benefits determined for the period during which the changes occurred. Because these deferred amounts and their amortization are specific to individual employers and offset on a collective basis, they are not included in the tables above.

NEW YORK STATE TEACHERS' RETIREMENT SYSTEM

Notes to Schedule of Employer Allocations and Schedule of
Pension Amounts by Employer

June 30, 2020

(8) Allocable Plan Pension Expense

The components of allocable plan pension expense, for the year ended June 30, 2020, comprises the following:

Service cost	\$ 1,563,222,461
Interest on total pension liability	8,418,884,784
Changes of benefit terms	677,659
Member contributions	(145,034,111)
Projected earnings on pension plan investments	(8,362,086,645)
Pension plan administrative expense	71,384,920
Other changes in fiduciary net position	(3,954,588)
Amortization of deferred inflows/outflows of resources:	
Amortization of differences between expected and actual experience	457,686,821
Amortization of changes of assumptions	1,176,706,161
Amortization of differences between expected and actual investment earnings on investments	550,326,725
Total allocable plan pension expense	<u>\$ 3,727,814,187</u>