



Pacific Gas and Electric Company Securitization

A. 20-04-023

TURN HEARING EXHIBIT

TURN-18

ADDITIONAL PUBLIC PLANS DATA ON PENSION FUND RETURNS

<https://www.nasra.org/publicfundsurvey>

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National Association of State Retirement Administrators

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Public Fund Survey

SUMMARY OF FINDINGS FOR FY 2019

NOVEMBER 2020

ABOUT THE PUBLIC FUND SURVEY

The Public Fund Survey is an online compendium of key characteristics of most of the nation's largest public retirement systems. The Survey is sponsored by the National Association of State Retirement Administrators.

Beginning with fiscal year 2001, the Survey contains data on public retirement systems that provide pension and other benefits for 13.0 million active (working) members and 9.8 million annuitants (those receiving a regular benefit, including retirees, disabilitants and surviving beneficiaries). At the end of fiscal year 2019, systems in the Survey held combined assets of \$3.79 trillion. The membership and assets of systems included in the Survey comprise approximately 85 percent of the entire state and local government retirement system community. Since FY 13, much of the survey data has been compiled by the Center for Retirement Research at Boston College as part of Public Plans Data (PPD), an online, interactive resource containing public retirement system information culled chiefly from public retirement system annual financial reports, and also from actuarial valuations, benefits guides, system websites, and input from system representatives. In addition to the Center for Retirement Research at Boston College, the PPD is sponsored by NASRA and the Center for State and Local Government Excellence. This report, focusing on FY 19, uses graphs and narrative to illustrate and describe changes in selected elements of the survey.

Some of the information on this page is presented in the context of changes to median, or midpoint, data. Presenting changes based on a median, rather than aggregate (total) basis, reduces the effects of very large plans and plans with extreme or exceptional results, enabling readers to focus on the experience of a more typical plan instead of results that could be skewed by the experience of one or a few outliers.

A PROSPECTIVE LOOK

Although this Summary of Findings is, by definition, retrospective, the unusual level of economic and investment market volatility in 2020 that was triggered by the COVID-19 pandemic warrants an acknowledgement of these events and a brief discussion of their effects on public pension funding conditions. A NASRA analysis, published in June 2020, *Recession and Market Decline Impacts on Public Pensions*, assessed the effects of the economic recession that began in March 2020, and the market decline (and subsequent recovery) that began in February 2020. This analysis compares and contrasts the most recent two economic recessions and market declines—in 2000-02 and 2008-09—to those of 2020.

The investment market volatility in 2020 is likely to have little near-term effect on public pension funding levels. This is because by June 30, the end of the fiscal year for most plans, the US and global equity markets—where nearly one-half of public pension fund assets are invested—had recovered nearly all of their decline that began in February 2020. As of November 2020, equity markets had eliminated their losses and grown by more than seven percent above their pre-February peak.

The NASRA analysis also observes that effects of the recession and market decline could occur in the coming months and years in the form of reduced public sector revenue resulting from the economic recession. These revenue reductions may impair the ability of some states and cities to make their full actuarially determined contribution. In addition, combined state and local government employment has declined significantly since the onset of the pandemic in February. This reduction in public sector employment will affect public pension payroll growth. As discussed in Figure G of this report, a public pension plan's rate of payroll growth affects the cost of the plan as a percentage of payroll: a reduction in the number of employees who are participating in a plan, and slower employee wage growth, are likely to increase the cost of the plan as a percentage of payroll. The COVID-19 pandemic produced a sudden stop and reversal to recent growth in employment and wages, a trend which, if enduring, could potentially return the public pension payroll experience to a declining or negative status for FY 20 and beyond.

SUMMARY OF FINDINGS

Figure A plots the aggregate actuarial funding level among plans in the Survey since its inception in FY 2001. The funding level in FY 19 was 72.2 percent, down slightly from the prior year. The aggregate actuarial value of assets grew by 2.3 percent, from \$3.49 trillion to \$3.57 trillion. This value reflects changes based on the timeframes most pension plans use to phase in investment gains and losses, a calculation also known as smoothing. Combined liabilities grew from \$4.83 trillion to \$4.94 trillion, or 2.3 percent. Liabilities fluctuate as a result of four factors: a) because liabilities are a present value, they increase at a rate of interest equal to the prior year's discount rate; b) new benefit accruals resulting from active participants accruing an additional year of service credit; c) payment of benefits to retired participants (which reduces liabilities); and d) changes in actuarial assumptions and actuarial experience that differs from assumptions.

FY 19 marks the eighth consecutive year that aggregate funding levels have remained within a narrow range—between 71.8 and 73.7 percent. Many factors combine to affect a plan's funding ratio. The complexity inherent in determining the funding level of a single plan increases significantly when many plans—each unique in various ways regarding its combination of actuarial experience, methods, and assumptions—is added. Primary factors typically affecting the aggregate funding level include pension funds' actual investment returns, illustrated by Figure K, below, and changes in investment return assumptions, charted on Figure L. Other variations in a plan's experience from what is expected also can affect its actuarial funding level.

The effect on funding levels of tepid investment returns for most plans over the last few years have been offset—to varying degrees—by reductions made by many plans, in investment return assumptions and changes to mortality assumptions to reflect longer expected lifespans. See the NASRA issue brief on investment return assumptions.

Figure A

INTERACTIVE DATA BROWSER

1 CHOOSE FISCAL YEAR(S)

2 CHOOSE PLANS Leave blank for all.

<input type="text" value="2001"/> <small>Start</small>	<input type="text" value="2019"/> <small>End</small>	<input type="text" value="Choose a Plan..."/>
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3 CHOOSE VARIABLES For more detail click on variable name.

4 FINISH

List by Topic

Alphabetical List

- ▶ Plan Basics
- ▶ Funding
- ▼ Assumptions and Methods
 - Asset Smoothing Period
 - Asset Valuation Method
 - Assumed Inflation
 - Assumed Return
 - Cost Method
 - Funding Method
 - Remaining Amortization Period
- ▼ Investments
 - ▶ Fiscal year end
 - ▼ Returns
 - ▼ Total portfolio
 - 1-yr investment return
 - 3-yr investment return
 - 5-yr investment return
 - 10-yr investment return
 - Avg. return since 2001
 - ▶ Asset class
 - ▶ Allocation
 - ▶ Target allocation
 - ▶ Bond duration
- ▶ Actuarial Costs
- ▶ Membership

BROWSE DATA

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▼ Variable Details

Click a variable name for a description.

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PlanName	fy	InvestmentReturnAssumption_GASB	InvestmentReturn_1yr
Alabama ERS	2001	0.08	-0.0636
Alabama ERS	2002	0.08	-0.0929
Alabama ERS	2003	0.08	0.1648
Alabama ERS	2004	0.08	0.1006
Alabama ERS	2005	0.08	0.1098
Alabama ERS	2006	0.08	0.0837
Alabama ERS	2007	0.08	0.1792
Alabama ERS	2008	0.08	-0.1521
Alabama ERS	2009	0.08	-0.1003
Alabama ERS	2010	0.08	0.0847
Alabama ERS	2011	0.08	0.0221
Alabama ERS	2012	0.08	0.1801
Alabama ERS	2013	0.08	0.146
Alabama ERS	2014	0.08	0.1202
Alabama ERS	2015	0.08	0.0105
Alabama ERS	2016	0.07875	0.1022
Alabama ERS	2017	0.0775	0.1286
Alabama ERS	2018	0.077	0.0929
Alabama ERS	2019	0.077	0.0278
Alabama Teachers	2001	0.08	-0.0605
Alabama Teachers	2002	0.08	-0.0781
Alabama Teachers	2003	0.08	0.1598
Alabama Teachers	2004	0.08	0.1071
Alabama Teachers	2005	0.08	0.1126
Alabama Teachers	2006	0.08	0.0882
Alabama Teachers	2007	0.08	0.1746
Alabama Teachers	2008	0.08	-0.1536
Alabama Teachers	2009	0.08	-0.0794
Alabama Teachers	2010	0.08	0.0842
Alabama Teachers	2011	0.08	0.0181
Alabama Teachers	2012	0.08	0.183
Alabama Teachers	2013	0.08	0.1493
Alabama Teachers	2014	0.08	0.1213
Alabama Teachers	2015	0.08	0.0104
Alabama Teachers	2016	0.07875	0.1041
Alabama Teachers	2017	0.0775	0.1177
Alabama Teachers	2018	0.077	0.0942
Alabama Teachers	2019	0.077	0.0263
Alaska PERS	2001	0.0825	-0.0525
Alaska PERS	2002	0.0825	-0.0548
Alaska PERS	2003	0.0825	0.0367
Alaska PERS	2004	0.0825	0.1508
Alaska PERS	2005	0.0825	0.0895
Alaska PERS	2006	0.0825	0.1174
Alaska PERS	2007	0.0825	0.1888
Alaska PERS	2008	0.0825	-0.0306
Alaska PERS	2009	0.0825	-0.2049
Alaska PERS	2010	0.08	0.1139
Alaska PERS	2011	0.08	0.2122
Alaska PERS	2012	0.08	0.0046
Alaska PERS	2013	0.08	0.125
Alaska PERS	2014	0.08	0.1856
Alaska PERS	2015	0.08	0.0329
Alaska PERS	2016	0.08	-0.0036
Alaska PERS	2017	0.08	0.1335
Alaska PERS	2018	0.0738	0.0961
Alaska PERS	2019	0.0738	0.064
Alaska Teachers	2001	0.0825	-0.0535
Alaska Teachers	2002	0.0825	-0.0549
Alaska Teachers	2003	0.0825	0.0368
Alaska Teachers	2004	0.0825	0.1509
Alaska Teachers	2005	0.0825	0.0901
Alaska Teachers	2006	0.0825	0.1178
Alaska Teachers	2007	0.0825	0.1892
Alaska Teachers	2008	0.0825	-0.0305
Alaska Teachers	2009	0.0825	-0.2062
Alaska Teachers	2010	0.08	0.1158
Alaska Teachers	2011	0.08	0.214
Alaska Teachers	2012	0.08	0.0051
Alaska Teachers	2013	0.08	0.1259
Alaska Teachers	2014	0.08	0.1846
Alaska Teachers	2015	0.08	0.033
Alaska Teachers	2016	0.08	-0.0036
Alaska Teachers	2017	0.08	0.1336
Alaska Teachers	2018	0.0738	0.0962
Alaska Teachers	2019	0.0738	0.0639
Arizona Public Safety	2001	0.09	-0.1686
Arizona Public Safety	2002	0.09	-0.1507
Arizona Public Safety	2003	0.09	0.0667
Arizona Public Safety	2004	0.0875	0.1497
Arizona Public Safety	2005	0.085	0.0911
Arizona Public Safety	2006	0.085	0.083
Arizona Public Safety	2007	0.085	0.1705
Arizona Public Safety	2008	0.085	-0.0727
Arizona Public Safety	2009	0.085	-0.1773
Arizona Public Safety	2010	0.085	0.1347
Arizona Public Safety	2011	0.0825	0.1737
Arizona Public Safety	2012	0.08	-0.0079
Arizona Public Safety	2013	0.0785	0.1064
Arizona Public Safety	2014	0.0785	0.1328
Arizona Public Safety	2015	0.0785	0.0368
Arizona Public Safety	2016	0.075	0.0063
Arizona Public Safety	2017	0.0715	0.1185
Arizona Public Safety	2018	0.074	0.0707
Arizona Public Safety	2019	0.073	0.0545
Arizona SRS	2001	0.08	-0.067
Arizona SRS	2002	0.08	-0.082
Arizona SRS	2003	0.08	0.024
Arizona SRS	2004	0.08	0.175
Arizona SRS	2005	0.08	0.085
Arizona SRS	2006	0.08	0.098
Arizona SRS	2007	0.08	0.178
Arizona SRS	2008	0.08	-0.076
Arizona SRS	2009	0.08	-0.181
Arizona SRS	2010	0.08	0.1491
Arizona SRS	2011	0.08	0.246
Arizona SRS	2012	0.08	0.013
Arizona SRS	2013	0.08	0.131
Arizona SRS	2014	0.08	0.186
Arizona SRS	2015	0.08	0.032
Arizona SRS	2016	0.08	0.006

PlanName	fy	InvestmentReturnAssumption_GASB	InvestmentReturn_Yr
Arizona SRS	2017	0.075	0.139
Arizona SRS	2018	0.075	0.094
Arizona SRS	2019	0.075	0.066
Arkansas PERS	2001	0.08	-0.0382
Arkansas PERS	2002	0.08	-0.0574
Arkansas PERS	2003	0.08	0.0553
Arkansas PERS	2004	0.08	0.134
Arkansas PERS	2005	0.08	0.0985
Arkansas PERS	2006	0.08	0.1224
Arkansas PERS	2007	0.08	0.1801
Arkansas PERS	2008	0.08	-0.0445
Arkansas PERS	2009	0.08	-0.2089
Arkansas PERS	2010	0.08	0.1195
Arkansas PERS	2011	0.08	0.26
Arkansas PERS	2012	0.08	-0.0033
Arkansas PERS	2013	0.08	0.1558
Arkansas PERS	2014	0.0775	0.1968
Arkansas PERS	2015	0.075	0.0245
Arkansas PERS	2016	0.075	0.003
Arkansas PERS	2017	0.0715	0.123
Arkansas PERS	2018	0.0715	0.1023
Arkansas PERS	2019	0.0715	0.0578
Arkansas Teachers	2001	0.08	-0.029
Arkansas Teachers	2002	0.08	-0.062
Arkansas Teachers	2003	0.08	0.02
Arkansas Teachers	2004	0.08	0.177
Arkansas Teachers	2005	0.08	0.094
Arkansas Teachers	2006	0.08	0.124
Arkansas Teachers	2007	0.08	0.191
Arkansas Teachers	2008	0.08	-0.037
Arkansas Teachers	2009	0.08	-0.18
Arkansas Teachers	2010	0.08	0.135
Arkansas Teachers	2011	0.08	0.223
Arkansas Teachers	2012	0.08	-0.009
Arkansas Teachers	2013	0.08	0.143
Arkansas Teachers	2014	0.08	0.19
Arkansas Teachers	2015	0.08	0.052
Arkansas Teachers	2016	0.08	-0.005
Arkansas Teachers	2017	0.075	0.161
Arkansas Teachers	2018	0.075	0.116
Arkansas Teachers	2019	0.075	0.053
California PERF	2001	0.0825	-0.072
California PERF	2002	0.0825	-0.061
California PERF	2003	0.0775	0.037
California PERF	2004	0.0775	0.166
California PERF	2005	0.0775	0.123
California PERF	2006	0.0775	0.118
California PERF	2007	0.0775	0.191
California PERF	2008	0.0775	-0.051
California PERF	2009	0.0775	-0.24
California PERF	2010	0.0775	0.133
California PERF	2011	0.075	0.217
California PERF	2012	0.075	0.001
California PERF	2013	0.075	0.132
California PERF	2014	0.075	0.184
California PERF	2015	0.075	0.024
California PERF	2016	0.075	0.006
California PERF	2017	0.075	0.112
California PERF	2018	0.075	0.086
California PERF	2019	0.075	0.067
California Teachers	2001	0.08	-0.0912
California Teachers	2002	0.08	-0.0595
California Teachers	2003	0.08	0.0341
California Teachers	2004	0.08	0.1738
California Teachers	2005	0.08	0.1109
California Teachers	2006	0.08	0.1321
California Teachers	2007	0.08	0.2103
California Teachers	2008	0.08	-0.0369
California Teachers	2009	0.08	-0.2503
California Teachers	2010	0.0775	0.122
California Teachers	2011	0.075	0.231
California Teachers	2012	0.075	0.0184
California Teachers	2013	0.075	0.138
California Teachers	2014	0.075	0.1866
California Teachers	2015	0.075	0.0477
California Teachers	2016	0.075	0.0135
California Teachers	2017	0.075	0.1344
California Teachers	2018	0.07	0.0899
California Teachers	2019	0.07	0.0682
Chicago Teachers	2001	0.08	-0.0147
Chicago Teachers	2002	0.08	-0.0328
Chicago Teachers	2003	0.08	0.04
Chicago Teachers	2004	0.08	0.15
Chicago Teachers	2005	0.08	0.108
Chicago Teachers	2006	0.08	0.107
Chicago Teachers	2007	0.08	0.177
Chicago Teachers	2008	0.08	-0.053
Chicago Teachers	2009	0.08	-0.224
Chicago Teachers	2010	0.08	0.134
Chicago Teachers	2011	0.08	0.248
Chicago Teachers	2012	0.08	0.006
Chicago Teachers	2013	0.0775	0.133
Chicago Teachers	2014	0.0775	0.184
Chicago Teachers	2015	0.0775	0.035
Chicago Teachers	2016	0.0775	0.005
Chicago Teachers	2017	0.0775	0.136
Chicago Teachers	2018	0.07	0.09
Chicago Teachers	2019	0.07	0.055
Austin ERS	2001	0.08	-0.061
Austin ERS	2002	0.0775	-0.095
Austin ERS	2003	0.0775	0.24
Austin ERS	2004	0.0775	0.118
Austin ERS	2005	0.0775	0.088
Austin ERS	2006	0.0775	0.125
Austin ERS	2007	0.0775	0.073
Austin ERS	2008	0.0775	-0.26
Austin ERS	2009	0.0775	0.256
Austin ERS	2010	0.0775	0.155
Austin ERS	2011	0.0775	-0.013
Austin ERS	2012	0.0775	0.133
Austin ERS	2013	0.0775	0.155

PlanName	fy	InvestmentReturnAssumption_GASB	InvestmentReturn_1yr
Austin ERS	2014	0.0775	0.047
Austin ERS	2015	0.075	-0.02
Austin ERS	2016	0.075	0.081
Austin ERS	2017	0.075	0.166
Austin ERS	2018	0.075	-0.059
Austin ERS	2019	0.07	0.207
Colorado Municipal	2001	0.0875	-0.077
Colorado Municipal	2002	0.0875	-0.1179
Colorado Municipal	2003	0.085	0.2406
Colorado Municipal	2004	0.085	0.141
Colorado Municipal	2005	0.085	0.098
Colorado Municipal	2006	0.085	0.157
Colorado Municipal	2007	0.085	0.1
Colorado Municipal	2008	0.085	-0.26
Colorado Municipal	2009	0.08	0.174
Colorado Municipal	2010	0.08	0.14
Colorado Municipal	2011	0.08	0.019
Colorado Municipal	2012	0.08	0.129
Colorado Municipal	2013	0.075	0.156
Colorado Municipal	2014	0.075	0.057
Colorado Municipal	2015	0.075	0.015
Colorado Municipal	2016	0.0725	0.073
Colorado Municipal	2017	0.0725	0.181
Colorado Municipal	2018	0.0725	-0.035
Colorado Municipal	2019	0.0725	0.203
Colorado School	2001		-0.077
Colorado School	2002		-0.1179
Colorado School	2003		0.2406
Colorado School	2004		0.141
Colorado School	2005	0.085	0.098
Colorado School	2006	0.085	0.157
Colorado School	2007	0.085	0.1
Colorado School	2008	0.085	-0.26
Colorado School	2009	0.08	0.174
Colorado School	2010	0.08	0.14
Colorado School	2011	0.08	0.019
Colorado School	2012	0.08	0.129
Colorado School	2013	0.075	0.156
Colorado School	2014	0.075	0.057
Colorado School	2015	0.075	0.015
Colorado School	2016	0.0725	0.073
Colorado School	2017	0.0725	0.181
Colorado School	2018	0.0725	-0.035
Colorado School	2019	0.0725	0.203
Colorado State	2001		-0.077
Colorado State	2002		-0.1179
Colorado State	2003		0.2406
Colorado State	2004		0.141
Colorado State	2005	0.085	0.098
Colorado State	2006	0.085	0.157
Colorado State	2007	0.085	0.1
Colorado State	2008	0.085	-0.26
Colorado State	2009	0.08	0.174
Colorado State	2010	0.08	0.14
Colorado State	2011	0.08	0.019
Colorado State	2012	0.08	0.129
Colorado State	2013	0.075	0.156
Colorado State	2014	0.075	0.057
Colorado State	2015	0.075	0.015
Colorado State	2016	0.0725	0.073
Colorado State	2017	0.0725	0.181
Colorado State	2018	0.0725	-0.035
Colorado State	2019	0.0725	0.203
Connecticut SERS	2001		-0.0368
Connecticut SERS	2002	0.085	-0.0639
Connecticut SERS	2003	0.085	0.0249
Connecticut SERS	2004	0.085	0.1523
Connecticut SERS	2005	0.085	0.1044
Connecticut SERS	2006	0.085	0.1055
Connecticut SERS	2007	0.085	0.1734
Connecticut SERS	2008	0.0825	-0.0483
Connecticut SERS	2009	0.0825	-0.1825
Connecticut SERS	2010	0.0825	0.1293
Connecticut SERS	2011	0.0825	0.2115
Connecticut SERS	2012	0.08	-0.009
Connecticut SERS	2013	0.08	0.119
Connecticut SERS	2014	0.08	0.1562
Connecticut SERS	2015	0.08	0.0284
Connecticut SERS	2016	0.069	0.0026
Connecticut SERS	2017	0.069	0.1432
Connecticut SERS	2018	0.069	0.073
Connecticut SERS	2019	0.069	0.05696
Connecticut Teachers	2001		-0.0368
Connecticut Teachers	2002	0.085	-0.0639
Connecticut Teachers	2003	0.085	0.0249
Connecticut Teachers	2004	0.085	0.1534
Connecticut Teachers	2005	0.085	0.1049
Connecticut Teachers	2006	0.085	0.1074
Connecticut Teachers	2007	0.085	0.1747
Connecticut Teachers	2008	0.085	-0.0477
Connecticut Teachers	2009	0.085	-0.1714
Connecticut Teachers	2010	0.085	0.1287
Connecticut Teachers	2011	0.085	0.2077
Connecticut Teachers	2012	0.085	-0.0096
Connecticut Teachers	2013	0.085	0.1183
Connecticut Teachers	2014	0.085	0.1567
Connecticut Teachers	2015	0.085	0.0279
Connecticut Teachers	2016	0.085	0.0025
Connecticut Teachers	2017	0.0825	0.1438
Connecticut Teachers	2018	0.08	0.0704
Connecticut Teachers	2019	0.08	0.05717
Contra Costa County	2001	0.0835	-0.024
Contra Costa County	2002	0.08	-0.095
Contra Costa County	2003	0.079	0.235
Contra Costa County	2004	0.079	0.134
Contra Costa County	2005	0.079	0.108
Contra Costa County	2006	0.078	0.153
Contra Costa County	2007	0.078	0.073
Contra Costa County	2008	0.078	-0.265
Contra Costa County	2009	0.0775	0.219
Contra Costa County	2010	0.0775	0.14

PlanName	fy	InvestmentReturnAssumption_GASB	InvestmentReturn_1yr
Contra Costa County	2011	0.0775	0.027
Contra Costa County	2012	0.0725	0.141
Contra Costa County	2013	0.0725	0.165
Contra Costa County	2014	0.0725	0.084
Contra Costa County	2015	0.0725	0.026
Contra Costa County	2016	0.07	0.074
Contra Costa County	2017	0.07	0.142
Contra Costa County	2018	0.07	-0.027
Contra Costa County	2019	0.07	0.146
DC Police & Fire	2001	0.0725	-0.117
DC Police & Fire	2002	0.0725	-0.079
DC Police & Fire	2003	0.0725	0.163
DC Police & Fire	2004	0.0725	0.119
DC Police & Fire	2005	0.0725	0.139
DC Police & Fire	2006	0.0725	0.104
DC Police & Fire	2007	0.075	0.168
DC Police & Fire	2008	0.07	-0.169
DC Police & Fire	2009	0.07	-0.022
DC Police & Fire	2010	0.07	0.103
DC Police & Fire	2011	0.07	0.029
DC Police & Fire	2012	0.065	0.145
DC Police & Fire	2013	0.065	0.113
DC Police & Fire	2014	0.065	0.084
DC Police & Fire	2015	0.065	-0.039
DC Police & Fire	2016	0.065	0.094
DC Police & Fire	2017	0.065	0.131
DC Police & Fire	2018	0.065	0.054
DC Police & Fire	2019	0.065	0.039
DC Teachers	2001	0.0725	-0.117
DC Teachers	2002	0.0725	-0.079
DC Teachers	2003	0.0725	0.163
DC Teachers	2004	0.0725	0.119
DC Teachers	2005	0.0725	0.139
DC Teachers	2006	0.0725	0.104
DC Teachers	2007	0.075	0.168
DC Teachers	2008	0.07	-0.169
DC Teachers	2009	0.07	-0.022
DC Teachers	2010	0.07	0.103
DC Teachers	2011	0.07	0.029
DC Teachers	2012	0.065	0.145
DC Teachers	2013	0.065	0.113
DC Teachers	2014	0.065	0.084
DC Teachers	2015	0.065	-0.039
DC Teachers	2016	0.065	0.094
DC Teachers	2017	0.065	0.131
DC Teachers	2018	0.065	0.054
DC Teachers	2019	0.065	0.039
Delaware State Employees	2001	0.085	-0.051
Delaware State Employees	2002	0.085	-0.063
Delaware State Employees	2003	0.08	0.031
Delaware State Employees	2004	0.08	0.159
Delaware State Employees	2005	0.08	0.096
Delaware State Employees	2006	0.08	0.124
Delaware State Employees	2007	0.08	0.159
Delaware State Employees	2008	0.08	-0.013
Delaware State Employees	2009	0.08	-0.158
Delaware State Employees	2010	0.08	0.141
Delaware State Employees	2011	0.075	0.243
Delaware State Employees	2012	0.075	0.02
Delaware State Employees	2013	0.075	0.111
Delaware State Employees	2014	0.072	0.175
Delaware State Employees	2015	0.072	0.039
Delaware State Employees	2016	0.072	-0.013
Delaware State Employees	2017	0.07	0.113
Delaware State Employees	2018	0.07	0.106
Delaware State Employees	2019	0.07	0.05
Denver Employees	2001	0.0775	-0.0517
Denver Employees	2002	0.08	-0.0788
Denver Employees	2003	0.08	0.2006
Denver Employees	2004	0.08	0.1188
Denver Employees	2005	0.08	0.0998
Denver Employees	2006	0.08	0.1433
Denver Employees	2007	0.08	0.112
Denver Employees	2008	0.08	-0.2531
Denver Employees	2009	0.08	0.1368
Denver Employees	2010	0.08	0.1436
Denver Employees	2011	0.08	-0.0043
Denver Employees	2012	0.08	0.1309
Denver Employees	2013	0.08	0.1821
Denver Employees	2014	0.08	0.0533
Denver Employees	2015	0.0775	-0.0188
Denver Employees	2016	0.0775	0.0775
Denver Employees	2017	0.075	0.1502
Denver Employees	2018	0.075	-0.024
Denver Employees	2019	0.075	0.126
Denver Schools	2001	0.0875	0.0017
Denver Schools	2002	0.0875	-0.0515
Denver Schools	2003	0.0875	0.2308
Denver Schools	2004	0.085	0.1271
Denver Schools	2005	0.085	0.1064
Denver Schools	2006	0.085	0.1261
Denver Schools	2007	0.085	0.1007
Denver Schools	2008	0.085	-0.2431
Denver Schools	2009	0.08	0.1993
Denver Schools	2010	0.08	0.14
Denver Schools	2011	0.08	0.019
Denver Schools	2012	0.08	0.129
Denver Schools	2013	0.075	0.156
Denver Schools	2014	0.075	0.057
Denver Schools	2015	0.075	0.015
Denver Schools	2016	0.0725	0.073
Denver Schools	2017	0.0725	0.181
Denver Schools	2018	0.0725	-0.035
Denver Schools	2019	0.0725	0.203
Duluth Teachers	2001	0.085	-0.082
Duluth Teachers	2002	0.085	-0.083
Duluth Teachers	2003	0.085	0.037
Duluth Teachers	2004	0.085	0.179
Duluth Teachers	2005	0.085	0.087
Duluth Teachers	2006	0.085	0.11
Duluth Teachers	2007	0.085	0.192

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Duluth Teachers	2008	0.085	-0.106
Duluth Teachers	2009	0.085	-0.269
Duluth Teachers	2010	0.085	0.17
Duluth Teachers	2011	0.085	0.217
Duluth Teachers	2012	0.08	-0.002
Duluth Teachers	2013	0.08	0.167
Duluth Teachers	2014	0.08	0.183
Duluth Teachers	2015		
Duluth Teachers	2016		
Duluth Teachers	2017		
Duluth Teachers	2018		
Duluth Teachers	2019		
Fairfax County Schools	2001	0.075	-0.003
Fairfax County Schools	2002	0.075	-0.044
Fairfax County Schools	2003	0.075	0.031
Fairfax County Schools	2004	0.075	0.18
Fairfax County Schools	2005	0.075	0.117
Fairfax County Schools	2006	0.075	0.109
Fairfax County Schools	2007	0.075	0.177
Fairfax County Schools	2008	0.075	-0.044
Fairfax County Schools	2009	0.075	-0.192
Fairfax County Schools	2010	0.075	0.171
Fairfax County Schools	2011	0.075	0.221
Fairfax County Schools	2012	0.075	0.004
Fairfax County Schools	2013	0.075	0.112
Fairfax County Schools	2014	0.075	0.162
Fairfax County Schools	2015	0.075	0.02
Fairfax County Schools	2016	0.0725	-0.003
Fairfax County Schools	2017	0.0725	0.123
Fairfax County Schools	2018	0.0725	0.081
Fairfax County Schools	2019		0.047
Florida RS	2001	0.08	-0.076
Florida RS	2002	0.08	-0.0807
Florida RS	2003	0.08	0.0285
Florida RS	2004	0.0775	0.1665
Florida RS	2005	0.0775	0.1018
Florida RS	2006	0.0775	0.1056
Florida RS	2007	0.0775	0.1807
Florida RS	2008	0.0775	-0.0442
Florida RS	2009	0.0775	-0.1903
Florida RS	2010	0.0775	0.1403
Florida RS	2011	0.0775	0.2209
Florida RS	2012	0.0775	0.0029
Florida RS	2013	0.0775	0.1312
Florida RS	2014	0.0765	0.174
Florida RS	2015	0.0765	0.0367
Florida RS	2016	0.076	0.0054
Florida RS	2017	0.075	0.1377
Florida RS	2018	0.074	0.0898
Florida RS	2019	0.072	0.0626
Georgia ERS	2001	0.07	-0.06019
Georgia ERS	2002	0.07	-0.04
Georgia ERS	2003	0.0725	0.045
Georgia ERS	2004	0.075	0.098
Georgia ERS	2005	0.075	0.078
Georgia ERS	2006	0.075	0.062
Georgia ERS	2007	0.075	0.147
Georgia ERS	2008	0.075	-0.035
Georgia ERS	2009	0.075	-0.13
Georgia ERS	2010	0.075	0.1099
Georgia ERS	2011	0.075	0.2129
Georgia ERS	2012	0.075	0.0219
Georgia ERS	2013	0.075	0.1333
Georgia ERS	2014	0.075	0.1729
Georgia ERS	2015	0.075	0.0374
Georgia ERS	2016	0.075	0.014
Georgia ERS	2017	0.074	0.124
Georgia ERS	2018	0.073	0.092
Georgia ERS	2019	0.073	0.069
Georgia Teachers	2001	0.0725	-0.0508
Georgia Teachers	2002	0.0725	-0.04
Georgia Teachers	2003	0.075	0.046
Georgia Teachers	2004	0.075	0.099
Georgia Teachers	2005	0.075	0.079
Georgia Teachers	2006	0.075	0.06
Georgia Teachers	2007	0.075	0.146
Georgia Teachers	2008	0.075	-0.034
Georgia Teachers	2009	0.075	-0.1306
Georgia Teachers	2010	0.075	0.1109
Georgia Teachers	2011	0.075	0.2127
Georgia Teachers	2012	0.075	0.0216
Georgia Teachers	2013	0.075	0.1328
Georgia Teachers	2014	0.075	0.1717
Georgia Teachers	2015	0.075	0.037
Georgia Teachers	2016	0.075	0.014
Georgia Teachers	2017	0.075	0.125
Georgia Teachers	2018	0.0725	0.089
Georgia Teachers	2019	0.0725	0.068
Hawaii ERS	2001	0.08	-0.0668
Hawaii ERS	2002	0.08	-0.0552
Hawaii ERS	2003	0.08	0.0297
Hawaii ERS	2004	0.08	0.1581
Hawaii ERS	2005	0.08	0.113
Hawaii ERS	2006	0.08	0.1112
Hawaii ERS	2007	0.08	0.1771
Hawaii ERS	2008	0.08	-0.0351
Hawaii ERS	2009	0.08	-0.1754
Hawaii ERS	2010	0.08	0.1196
Hawaii ERS	2011	0.0775	0.2125
Hawaii ERS	2012	0.0775	-0.0014
Hawaii ERS	2013	0.0775	0.1257
Hawaii ERS	2014	0.0775	0.1777
Hawaii ERS	2015	0.0765	0.0423
Hawaii ERS	2016	0.07	-0.0078
Hawaii ERS	2017	0.07	-0.0078
Hawaii ERS	2018	0.07	0.0785
Hawaii ERS	2019	0.07	
Houston Firefighters	2001	0.085	-0.011
Houston Firefighters	2002	0.085	-0.024
Houston Firefighters	2003	0.085	0.0648
Houston Firefighters	2004	0.085	0.1841

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Houston Firefighters	2005	0.085	0.191
Houston Firefighters	2006	0.085	0.145
Houston Firefighters	2007	0.085	0.17
Houston Firefighters	2008	0.085	0.04
Houston Firefighters	2009	0.085	-0.2
Houston Firefighters	2010	0.085	0.173
Houston Firefighters	2011	0.085	0.206
Houston Firefighters	2012	0.085	0.021
Houston Firefighters	2013	0.085	0.115
Houston Firefighters	2014	0.085	0.178
Houston Firefighters	2015	0.085	0.0153
Houston Firefighters	2016	0.0725	-0.01
Houston Firefighters	2017	0.0725	0.12
Houston Firefighters	2018	0.0725	0.083
Houston Firefighters	2019	0.0725	0.057
Idaho PERS	2001	0.08	-0.061
Idaho PERS	2002	0.08	-0.071
Idaho PERS	2003	0.08	0.037
Idaho PERS	2004	0.0775	0.181
Idaho PERS	2005	0.0775	0.108
Idaho PERS	2006	0.0775	0.122
Idaho PERS	2007	0.0775	0.2
Idaho PERS	2008	0.0775	-0.042
Idaho PERS	2009	0.0775	-0.16
Idaho PERS	2010	0.0775	0.124
Idaho PERS	2011	0.0775	0.207
Idaho PERS	2012	0.075	0.016
Idaho PERS	2013	0.075	0.091
Idaho PERS	2014	0.075	0.172
Idaho PERS	2015	0.075	0.03
Idaho PERS	2016	0.075	0.018
Idaho PERS	2017	0.075	0.127
Idaho PERS	2018	0.0705	0.087
Idaho PERS	2019	0.07	0.084
Illinois Municipal	2001	0.075	-0.0608
Illinois Municipal	2002	0.075	-0.0872
Illinois Municipal	2003	0.075	0.2256
Illinois Municipal	2004	0.075	0.1238
Illinois Municipal	2005	0.075	0.0849
Illinois Municipal	2006	0.075	0.136
Illinois Municipal	2007	0.075	0.0828
Illinois Municipal	2008	0.075	-0.2497
Illinois Municipal	2009	0.075	0.2428
Illinois Municipal	2010	0.075	0.1336
Illinois Municipal	2011	0.075	-0.005
Illinois Municipal	2012	0.075	0.1351
Illinois Municipal	2013	0.075	0.1999
Illinois Municipal	2014	0.075	0.0576
Illinois Municipal	2015	0.075	0.002
Illinois Municipal	2016	0.075	0.0777
Illinois Municipal	2017	0.075	0.1573
Illinois Municipal	2018	0.0725	-0.0441
Illinois Municipal	2019	0.0725	0.1957
Illinois SERS	2001	0.085	-0.071
Illinois SERS	2002	0.085	-0.069
Illinois SERS	2003	0.085	0.003
Illinois SERS	2004	0.085	0.164
Illinois SERS	2005	0.085	0.101
Illinois SERS	2006	0.085	0.11
Illinois SERS	2007	0.085	0.171
Illinois SERS	2008	0.085	-0.062
Illinois SERS	2009	0.085	-0.201
Illinois SERS	2010	0.0775	0.091
Illinois SERS	2011	0.0775	0.217
Illinois SERS	2012	0.0775	0.001
Illinois SERS	2013	0.0775	0.141
Illinois SERS	2014	0.0725	0.179
Illinois SERS	2015	0.0725	0.047
Illinois SERS	2016	0.07	-0.008
Illinois SERS	2017	0.07	0.123
Illinois SERS	2018	0.07	0.076
Illinois SERS	2019	0.0675	0.071
Illinois Teachers	2001	0.085	-0.042
Illinois Teachers	2002	0.085	-0.032
Illinois Teachers	2003	0.085	0.049
Illinois Teachers	2004	0.085	0.165
Illinois Teachers	2005	0.085	0.108
Illinois Teachers	2006	0.085	0.118
Illinois Teachers	2007	0.085	0.192
Illinois Teachers	2008	0.085	-0.05
Illinois Teachers	2009	0.085	-0.227
Illinois Teachers	2010	0.085	0.129
Illinois Teachers	2011	0.085	0.236
Illinois Teachers	2012	0.08	0.008
Illinois Teachers	2013	0.08	0.128
Illinois Teachers	2014	0.075	0.174
Illinois Teachers	2015	0.075	0.04
Illinois Teachers	2016	0.07	0.0001
Illinois Teachers	2017	0.07	0.126
Illinois Teachers	2018	0.07	0.085
Illinois Teachers	2019	0.07	0.052
Illinois Universities	2001	0.085	-0.088
Illinois Universities	2002	0.085	-0.061
Illinois Universities	2003	0.085	0.029
Illinois Universities	2004	0.085	0.17
Illinois Universities	2005	0.085	0.104
Illinois Universities	2006	0.085	0.117
Illinois Universities	2007	0.085	0.183
Illinois Universities	2008	0.085	-0.045
Illinois Universities	2009	0.085	-0.197
Illinois Universities	2010	0.0775	0.15
Illinois Universities	2011	0.0775	0.238
Illinois Universities	2012	0.0775	0.005
Illinois Universities	2013	0.0775	0.125
Illinois Universities	2014	0.0725	0.182
Illinois Universities	2015	0.0725	0.029
Illinois Universities	2016	0.0725	0.002
Illinois Universities	2017	0.0725	0.122
Illinois Universities	2018	0.0675	0.082
Illinois Universities	2019	0.0675	0.06
Indiana PERF	2001	0.0725	-0.0251

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Indiana PERF	2002	0.0725	-0.0451
Indiana PERF	2003	0.0725	0.047
Indiana PERF	2004	0.0725	0.163
Indiana PERF	2005	0.0725	0.098
Indiana PERF	2006	0.0725	0.107
Indiana PERF	2007	0.0725	0.182
Indiana PERF	2008	0.0725	-0.076
Indiana PERF	2009	0.0725	-0.206
Indiana PERF	2010	0.07	0.139
Indiana PERF	2011	0.07	0.199
Indiana PERF	2012	0.0675	0.007
Indiana PERF	2013	0.0675	0.06
Indiana PERF	2014	0.0675	0.1373
Indiana PERF	2015	0.0675	0
Indiana PERF	2016	0.0675	0.0119
Indiana PERF	2017	0.0675	0.08
Indiana PERF	2018	0.0675	0.093
Indiana PERF	2019	0.0675	0.074
Indiana Teachers	2001	0.075	0.0083
Indiana Teachers	2002	0.075	-0.038
Indiana Teachers	2003	0.075	0.0478
Indiana Teachers	2004	0.075	0.1507
Indiana Teachers	2005	0.075	0.0926
Indiana Teachers	2006	0.075	0.1143
Indiana Teachers	2007	0.075	0.1817
Indiana Teachers	2008	0.075	-0.057
Indiana Teachers	2009	0.075	-0.18
Indiana Teachers	2010	0.07	0.143
Indiana Teachers	2011	0.07	0.18
Indiana Teachers	2012	0.0675	0.007
Indiana Teachers	2013	0.0675	0.06
Indiana Teachers	2014	0.0675	0.1373
Indiana Teachers	2015	0.0675	0
Indiana Teachers	2016	0.0675	0.0119
Indiana Teachers	2017	0.0675	0.08
Indiana Teachers	2018	0.0675	0.093
Indiana Teachers	2019	0.0675	0.074
Iowa PERS	2001	0.075	-0.0473
Iowa PERS	2002	0.075	-0.0494
Iowa PERS	2003	0.075	0.0559
Iowa PERS	2004	0.075	0.1378
Iowa PERS	2005	0.075	0.1125
Iowa PERS	2006	0.075	0.1111
Iowa PERS	2007	0.075	0.1629
Iowa PERS	2008	0.075	-0.0133
Iowa PERS	2009	0.075	-0.1627
Iowa PERS	2010	0.075	0.1382
Iowa PERS	2011	0.075	0.1991
Iowa PERS	2012	0.075	0.0373
Iowa PERS	2013	0.075	0.1012
Iowa PERS	2014	0.075	0.1588
Iowa PERS	2015	0.075	0.0396
Iowa PERS	2016	0.075	0.0215
Iowa PERS	2017	0.07	0.117
Iowa PERS	2018	0.07	0.0797
Iowa PERS	2019	0.07	0.0835
Kansas PERS	2001	0.08	-0.073
Kansas PERS	2002	0.08	-0.047
Kansas PERS	2003	0.08	0.04
Kansas PERS	2004	0.08	0.154
Kansas PERS	2005	0.08	0.121
Kansas PERS	2006	0.08	0.123
Kansas PERS	2007	0.08	0.1803
Kansas PERS	2008	0.08	-0.0443
Kansas PERS	2009	0.08	-0.1964
Kansas PERS	2010	0.08	0.149
Kansas PERS	2011	0.08	0.226
Kansas PERS	2012	0.08	0.01
Kansas PERS	2013	0.08	0.14
Kansas PERS	2014	0.08	0.184
Kansas PERS	2015	0.08	0.037
Kansas PERS	2016	0.08	0.007
Kansas PERS	2017	0.0775	0.127
Kansas PERS	2018	0.0775	0.087
Kansas PERS	2019	0.0775	0.067
Kentucky County	2001	0.0825	-0.0542
Kentucky County	2002	0.0825	-0.0428
Kentucky County	2003	0.0825	0.0428
Kentucky County	2004	0.0825	0.1359
Kentucky County	2005	0.0825	0.093
Kentucky County	2006	0.0775	0.097
Kentucky County	2007	0.0775	0.153
Kentucky County	2008	0.0775	-0.0421
Kentucky County	2009	0.0775	-0.1721
Kentucky County	2010	0.0775	0.1581
Kentucky County	2011	0.0775	0.1896
Kentucky County	2012	0.0775	0.0014
Kentucky County	2013	0.0775	0.1082
Kentucky County	2014	0.0775	0.1555
Kentucky County	2015	0.075	0.0201
Kentucky County	2016	0.06938	-0.0052
Kentucky County	2017	0.05516	0.1347
Kentucky County	2018	0.05517	0.0857
Kentucky County	2019	0.05518	0.0583
Kentucky ERS	2001	0.0825	-0.0542
Kentucky ERS	2002	0.0825	-0.0428
Kentucky ERS	2003	0.0825	0.0428
Kentucky ERS	2004	0.0825	0.1359
Kentucky ERS	2005	0.0825	0.093
Kentucky ERS	2006	0.0775	0.097
Kentucky ERS	2007	0.0775	0.153
Kentucky ERS	2008	0.0775	-0.0421
Kentucky ERS	2009	0.0775	-0.1721
Kentucky ERS	2010	0.0775	0.1581
Kentucky ERS	2011	0.0775	0.1896
Kentucky ERS	2012	0.0775	0.0014
Kentucky ERS	2013	0.0775	0.1082
Kentucky ERS	2014	0.0775	0.1555
Kentucky ERS	2015	0.075	0.0201
Kentucky ERS	2016	0.068	-0.0052
Kentucky ERS	2017	0.05317	0.1347

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Kentucky ERS	2018	0.05319	0.0857
Kentucky ERS	2019	0.05319	0.0583
Kentucky Teachers	2001	0.075	-0.007
Kentucky Teachers	2002	0.075	-0.041
Kentucky Teachers	2003	0.075	0.048
Kentucky Teachers	2004	0.075	0.097
Kentucky Teachers	2005	0.075	0.075
Kentucky Teachers	2006	0.075	0.054
Kentucky Teachers	2007	0.075	0.153
Kentucky Teachers	2008	0.075	-0.057
Kentucky Teachers	2009	0.075	-0.143
Kentucky Teachers	2010	0.075	0.131
Kentucky Teachers	2011	0.075	0.216
Kentucky Teachers	2012	0.075	0.024
Kentucky Teachers	2013	0.075	0.141
Kentucky Teachers	2014	0.075	0.181
Kentucky Teachers	2015	0.075	0.051
Kentucky Teachers	2016	0.075	-0.01
Kentucky Teachers	2017	0.075	0.1537
Kentucky Teachers	2018	0.075	0.1081
Kentucky Teachers	2019	0.075	0.059
LA County ERS	2001	0.08	-0.052
LA County ERS	2002	0.08	-0.056
LA County ERS	2003	0.08	0.036
LA County ERS	2004	0.0775	0.165
LA County ERS	2005	0.0775	0.11
LA County ERS	2006	0.0775	0.13
LA County ERS	2007	0.0775	0.188
LA County ERS	2008	0.0775	-0.015
LA County ERS	2009	0.0775	-0.183
LA County ERS	2010	0.0775	0.116
LA County ERS	2011	0.077	0.202
LA County ERS	2012	0.076	0.001
LA County ERS	2013	0.075	0.119
LA County ERS	2014	0.0763	0.165
LA County ERS	2015	0.075	0.041
LA County ERS	2016	0.0725	0.008
LA County ERS	2017	0.0725	0.127
LA County ERS	2018	0.0725	0.09
LA County ERS	2019	0.07	0.064
Louisiana SERS	2001	0.0825	-0.061
Louisiana SERS	2002	0.0825	-0.057
Louisiana SERS	2003	0.0825	0.042
Louisiana SERS	2004	0.0825	0.18
Louisiana SERS	2005	0.0825	0.102
Louisiana SERS	2006	0.0825	0.119
Louisiana SERS	2007	0.0825	0.192
Louisiana SERS	2008	0.0825	-0.038
Louisiana SERS	2009	0.0825	-0.191
Louisiana SERS	2010	0.0825	0.161
Louisiana SERS	2011	0.0825	0.243
Louisiana SERS	2012	0.0825	0.002
Louisiana SERS	2013	0.08	0.126
Louisiana SERS	2014	0.0775	0.188
Louisiana SERS	2015	0.0775	0.017
Louisiana SERS	2016	0.0775	-0.024
Louisiana SERS	2017	0.077	0.158
Louisiana SERS	2018	0.0765	0.095
Louisiana SERS	2019	0.076	0.044
Louisiana Teachers	2001	0.0825	-0.041
Louisiana Teachers	2002	0.0825	-0.076
Louisiana Teachers	2003	0.0825	0.027
Louisiana Teachers	2004	0.0825	0.182
Louisiana Teachers	2005	0.0825	0.109
Louisiana Teachers	2006	0.0825	0.143
Louisiana Teachers	2007	0.0825	0.197
Louisiana Teachers	2008	0.0825	-0.048
Louisiana Teachers	2009	0.0825	-0.223
Louisiana Teachers	2010	0.0825	0.126
Louisiana Teachers	2011	0.0825	0.268
Louisiana Teachers	2012	0.0825	0.001
Louisiana Teachers	2013	0.08	0.139
Louisiana Teachers	2014	0.0775	0.199
Louisiana Teachers	2015	0.0775	0.031
Louisiana Teachers	2016	0.0775	0.016
Louisiana Teachers	2017	0.077	0.165
Louisiana Teachers	2018	0.0765	0.121
Louisiana Teachers	2019	0.0755	0.066
Maine Local	2001	0.08	-0.078
Maine Local	2002	0.08	-0.075
Maine Local	2003	0.08	0.053
Maine Local	2004	0.08	0.166
Maine Local	2005	0.08	0.118
Maine Local	2006	0.0775	0.075
Maine Local	2007	0.0775	0.162
Maine Local	2008	0.0775	-0.031
Maine Local	2009	0.0775	-0.188
Maine Local	2010	0.0775	0.111
Maine Local	2011	0.0725	0.224
Maine Local	2012	0.0725	0.006
Maine Local	2013	0.0725	0.111
Maine Local	2014	0.0725	0.167
Maine Local	2015	0.0725	0.02
Maine Local	2016	0.06875	0.006
Maine Local	2017	0.06875	0.125
Maine Local	2018	0.0675	0.103
Maine Local	2019	0.06875	0.073
Maine State and Teacher	2001	0.08	-0.078
Maine State and Teacher	2002	0.08	-0.075
Maine State and Teacher	2003	0.08	0.053
Maine State and Teacher	2004	0.08	0.166
Maine State and Teacher	2005	0.08	0.118
Maine State and Teacher	2006	0.0775	0.075
Maine State and Teacher	2007	0.0775	0.162
Maine State and Teacher	2008	0.0775	-0.031
Maine State and Teacher	2009	0.0775	-0.188
Maine State and Teacher	2010	0.0775	0.111
Maine State and Teacher	2011	0.0725	0.224
Maine State and Teacher	2012	0.0725	0.006
Maine State and Teacher	2013	0.0725	0.111
Maine State and Teacher	2014	0.07125	0.167

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Maine State and Teacher	2015	0.07125	0.02
Maine State and Teacher	2016	0.06875	0.006
Maine State and Teacher	2017	0.06875	0.125
Maine State and Teacher	2018	0.0675	0.103
Maine State and Teacher	2019	0.06875	0.073
Maryland PERS	2001	0.08	-0.094
Maryland PERS	2002	0.08	-0.076
Maryland PERS	2003	0.08	0.032
Maryland PERS	2004	0.0775	0.162
Maryland PERS	2005	0.0775	0.095
Maryland PERS	2006	0.0775	0.104
Maryland PERS	2007	0.0775	0.176
Maryland PERS	2008	0.0775	-0.054
Maryland PERS	2009	0.0775	-0.2
Maryland PERS	2010	0.0775	0.1403
Maryland PERS	2011	0.0775	0.2
Maryland PERS	2012	0.0775	0.0036
Maryland PERS	2013	0.077	0.1057
Maryland PERS	2014	0.0765	0.1437
Maryland PERS	2015	0.0755	0.027
Maryland PERS	2016	0.0755	0.012
Maryland PERS	2017	0.075	0.1
Maryland PERS	2018	0.0745	0.0806
Maryland PERS	2019	0.074	0.0646
Maryland Teachers	2001	0.08	-0.094
Maryland Teachers	2002	0.08	-0.076
Maryland Teachers	2003	0.08	0.032
Maryland Teachers	2004	0.0775	0.162
Maryland Teachers	2005	0.0775	0.095
Maryland Teachers	2006	0.0775	0.104
Maryland Teachers	2007	0.0775	0.176
Maryland Teachers	2008	0.0775	-0.054
Maryland Teachers	2009	0.0775	-0.2
Maryland Teachers	2010	0.0775	0.1403
Maryland Teachers	2011	0.0775	0.2
Maryland Teachers	2012	0.0775	0.0036
Maryland Teachers	2013	0.077	0.1057
Maryland Teachers	2014	0.0765	0.1437
Maryland Teachers	2015	0.0755	0.027
Maryland Teachers	2016	0.0755	0.012
Maryland Teachers	2017	0.075	0.1
Maryland Teachers	2018	0.0745	0.0806
Maryland Teachers	2019	0.074	0.0646
Massachusetts SRS	2001	0.0825	-0.066
Massachusetts SRS	2002	0.0825	-0.0649
Massachusetts SRS	2003	0.0825	0.0402
Massachusetts SRS	2004	0.0825	0.1943
Massachusetts SRS	2005	0.0825	0.1339
Massachusetts SRS	2006	0.0825	0.1549
Massachusetts SRS	2007	0.0825	0.1995
Massachusetts SRS	2008	0.0825	-0.0182
Massachusetts SRS	2009	0.0825	-0.2391
Massachusetts SRS	2010	0.0825	0.1286
Massachusetts SRS	2011	0.0825	0.2236
Massachusetts SRS	2012	0.0825	-0.0008
Massachusetts SRS	2013	0.08	0.1273
Massachusetts SRS	2014	0.08	0.176
Massachusetts SRS	2015	0.0775	0.0387
Massachusetts SRS	2016	0.075	0.023
Massachusetts SRS	2017	0.075	0.1324
Massachusetts SRS	2018	0.0735	0.1
Massachusetts SRS	2019	0.0725	0.0613
Massachusetts Teachers	2001	0.0825	-0.066
Massachusetts Teachers	2002	0.0825	-0.0649
Massachusetts Teachers	2003	0.0825	0.0402
Massachusetts Teachers	2004	0.0825	0.1943
Massachusetts Teachers	2005	0.0825	0.1339
Massachusetts Teachers	2006	0.0825	0.1549
Massachusetts Teachers	2007	0.0825	0.1995
Massachusetts Teachers	2008	0.0825	-0.0182
Massachusetts Teachers	2009	0.0825	-0.2391
Massachusetts Teachers	2010	0.0825	0.1286
Massachusetts Teachers	2011	0.0825	0.2236
Massachusetts Teachers	2012	0.0825	-0.0008
Massachusetts Teachers	2013	0.08	0.1273
Massachusetts Teachers	2014	0.08	0.176
Massachusetts Teachers	2015	0.0775	0.0387
Massachusetts Teachers	2016	0.075	0.023
Massachusetts Teachers	2017	0.075	0.1324
Massachusetts Teachers	2018	0.0735	0.1
Massachusetts Teachers	2019	0.0725	0.0613
Michigan Municipal	2001	0.08	-0.021
Michigan Municipal	2002	0.08	-0.086
Michigan Municipal	2003	0.08	0.247
Michigan Municipal	2004	0.08	0.068
Michigan Municipal	2005	0.08	0.068
Michigan Municipal	2006	0.08	0.136
Michigan Municipal	2007	0.08	0.086
Michigan Municipal	2008	0.08	-0.248
Michigan Municipal	2009	0.08	0.173
Michigan Municipal	2010	0.08	0.1443
Michigan Municipal	2011	0.08	0.023
Michigan Municipal	2012	0.08	0.1139
Michigan Municipal	2013	0.08	0.15
Michigan Municipal	2014	0.08	0.0668
Michigan Municipal	2015	0.0775	-0.0102
Michigan Municipal	2016	0.0775	0.1085
Michigan Municipal	2017	0.0775	0.132
Michigan Municipal	2018	0.0775	-0.0364
Michigan Municipal	2019	0.0775	0.1402
Michigan Public Schools	2001	0.08	-0.115
Michigan Public Schools	2002	0.08	-0.105
Michigan Public Schools	2003	0.08	0.148
Michigan Public Schools	2004	0.08	0.126
Michigan Public Schools	2005	0.08	0.128
Michigan Public Schools	2006	0.08	0.128
Michigan Public Schools	2007	0.08	0.172
Michigan Public Schools	2008	0.08	-0.123
Michigan Public Schools	2009	0.08	-0.061
Michigan Public Schools	2010	0.08	0.088
Michigan Public Schools	2011	0.08	0.066

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Michigan Public Schools	2012	0.08	0.135
Michigan Public Schools	2013	0.08	0.125
Michigan Public Schools	2014	0.08	0.156
Michigan Public Schools	2015	0.08	0.0214
Michigan Public Schools	2016	0.075	0.076
Michigan Public Schools	2017	0.0705	0.138
Michigan Public Schools	2018	0.068	0.116
Michigan Public Schools	2019	0.068	0.051
Michigan SERS	2001	0.08	-0.115
Michigan SERS	2002	0.08	-0.103
Michigan SERS	2003	0.08	0.147
Michigan SERS	2004	0.08	0.124
Michigan SERS	2005	0.08	0.128
Michigan SERS	2006	0.08	0.128
Michigan SERS	2007	0.08	0.172
Michigan SERS	2008	0.08	-0.125
Michigan SERS	2009	0.08	-0.063
Michigan SERS	2010	0.08	0.085
Michigan SERS	2011	0.08	0.065
Michigan SERS	2012	0.08	0.134
Michigan SERS	2013	0.08	0.125
Michigan SERS	2014	0.08	0.155
Michigan SERS	2015	0.08	0.026
Michigan SERS	2016	0.08	0.076
Michigan SERS	2017	0.08	0.138
Michigan SERS	2018	0.067	0.114
Michigan SERS	2019	0.067	0.051
Minneapolis ERF	2001	0.06	-0.063
Minneapolis ERF	2002	0.06	-0.073
Minneapolis ERF	2003	0.06	0.022
Minneapolis ERF	2004	0.06	0.165
Minneapolis ERF	2005	0.06	0.104
Minneapolis ERF	2006	0.06	0.104
Minneapolis ERF	2007	0.06	0.169
Minneapolis ERF	2008	0.06	-0.05
Minneapolis ERF	2009	0.06	-0.175
Minneapolis ERF	2010	0.085	0.152
Minneapolis ERF	2011	0.085	0.233
Minneapolis ERF	2012	0.08	0.024
Minneapolis ERF	2013	0.08	0.142
Minneapolis ERF	2014	0.08	0.186
Minneapolis ERF	2015		
Minneapolis ERF	2016		
Minneapolis ERF	2017		
Minneapolis ERF	2018		
Minneapolis ERF	2019		
Minnesota GERS	2001		-0.071
Minnesota GERS	2002		-0.08
Minnesota GERS	2003		0.024
Minnesota GERS	2004	0.085	0.165
Minnesota GERS	2005	0.085	0.107
Minnesota GERS	2006	0.085	0.123
Minnesota GERS	2007	0.085	0.183
Minnesota GERS	2008	0.07114	-0.05
Minnesota GERS	2009	0.07121	-0.188
Minnesota GERS	2010	0.07935	0.152
Minnesota GERS	2011	0.0793	0.233
Minnesota GERS	2012	0.0792	0.024
Minnesota GERS	2013	0.0791	0.142
Minnesota GERS	2014	0.0841	0.186
Minnesota GERS	2015	0.08	0.044
Minnesota GERS	2016	0.08	-0.001
Minnesota GERS	2017	0.08	0.151
Minnesota GERS	2018	0.075	0.103
Minnesota GERS	2019	0.075	0.073
Minnesota State Employees	2001		-0.071
Minnesota State Employees	2002		-0.082
Minnesota State Employees	2003		0.024
Minnesota State Employees	2004	0.085	0.165
Minnesota State Employees	2005	0.085	0.107
Minnesota State Employees	2006	0.085	0.123
Minnesota State Employees	2007	0.07131	0.183
Minnesota State Employees	2008	0.07131	-0.05
Minnesota State Employees	2009	0.07134	-0.188
Minnesota State Employees	2010	0.07262	0.152
Minnesota State Employees	2011	0.07328	0.233
Minnesota State Employees	2012	0.06989	0.024
Minnesota State Employees	2013	0.07272	0.142
Minnesota State Employees	2014	0.0841	0.186
Minnesota State Employees	2015	0.08	0.044
Minnesota State Employees	2016	0.08	-0.001
Minnesota State Employees	2017	0.08	0.151
Minnesota State Employees	2018	0.075	0.103
Minnesota State Employees	2019	0.075	0.073
Minnesota Teachers	2001		-0.071
Minnesota Teachers	2002		-0.082
Minnesota Teachers	2003		0.024
Minnesota Teachers	2004	0.06972	0.165
Minnesota Teachers	2005	0.06987	0.107
Minnesota Teachers	2006	0.0694	0.123
Minnesota Teachers	2007	0.06925	0.183
Minnesota Teachers	2008	0.07127	-0.05
Minnesota Teachers	2009	0.07121	-0.188
Minnesota Teachers	2010	0.07214	0.152
Minnesota Teachers	2011	0.06721	0.233
Minnesota Teachers	2012	0.06704	0.024
Minnesota Teachers	2013	0.06696	0.142
Minnesota Teachers	2014	0.0841	0.186
Minnesota Teachers	2015	0.084	0.044
Minnesota Teachers	2016	0.0844	-0.001
Minnesota Teachers	2017	0.0847	0.151
Minnesota Teachers	2018	0.075	0.103
Minnesota Teachers	2019	0.075	0.073
Mississippi PERS	2001	0.08	-0.071
Mississippi PERS	2002	0.08	-0.066
Mississippi PERS	2003	0.08	0.035
Mississippi PERS	2004	0.08	0.146
Mississippi PERS	2005	0.08	0.098
Mississippi PERS	2006	0.08	0.107
Mississippi PERS	2007	0.08	0.189
Mississippi PERS	2008	0.08	-0.082

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Mississippi PERS	2009	0.08	-0.194
Mississippi PERS	2010	0.08	-0.141
Mississippi PERS	2011	0.08	0.254
Mississippi PERS	2012	0.08	0.006
Mississippi PERS	2013	0.08	0.134
Mississippi PERS	2014	0.08	-0.186
Mississippi PERS	2015	0.0775	0.034
Mississippi PERS	2016	0.0775	0.012
Mississippi PERS	2017	0.0775	0.1496
Mississippi PERS	2018	0.0775	0.095
Mississippi PERS	2019	0.0775	0.0687
Missouri DOT and Highway	2001	0.0825	-0.026
Missouri DOT and Highway	2002	0.0825	-0.0569
Missouri DOT and Highway	2003	0.0825	0.032
Missouri DOT and Highway	2004	0.0825	0.1524
Missouri DOT and Highway	2005	0.0825	0.1138
Missouri DOT and Highway	2006	0.0825	0.1497
Missouri DOT and Highway	2007	0.0825	0.1809
Missouri DOT and Highway	2008	0.0825	-0.0241
Missouri DOT and Highway	2009	0.0825	-0.247
Missouri DOT and Highway	2010	0.0825	0.1291
Missouri DOT and Highway	2011	0.0825	0.2178
Missouri DOT and Highway	2012	0.0825	0.0275
Missouri DOT and Highway	2013	0.0775	0.1342
Missouri DOT and Highway	2014	0.0775	0.1759
Missouri DOT and Highway	2015	0.0775	0.0662
Missouri DOT and Highway	2016	0.0775	0.0101
Missouri DOT and Highway	2017	0.0775	0.1122
Missouri DOT and Highway	2018	0.07	0.0942
Missouri DOT and Highway	2019	0.07	0.0684
Missouri Local	2001	0.075	-0.042
Missouri Local	2002	0.075	-0.048
Missouri Local	2003	0.075	0.018
Missouri Local	2004	0.075	0.164
Missouri Local	2005	0.075	0.124
Missouri Local	2006	0.075	0.092
Missouri Local	2007	0.075	0.18
Missouri Local	2008	0.075	-0.023
Missouri Local	2009	0.075	-0.184
Missouri Local	2010	0.075	0.162
Missouri Local	2011	0.0725	0.232
Missouri Local	2012	0.0725	0.036
Missouri Local	2013	0.0725	0.1454
Missouri Local	2014	0.0725	0.1904
Missouri Local	2015	0.0725	0.0216
Missouri Local	2016	0.0725	-0.0019
Missouri Local	2017	0.0725	0.1204
Missouri Local	2018	0.0725	0.137
Missouri Local	2019	0.0725	0.0712
Missouri PEERS	2001	0.08	-0.017
Missouri PEERS	2002	0.08	-0.028
Missouri PEERS	2003	0.08	0.047
Missouri PEERS	2004	0.08	0.121
Missouri PEERS	2005	0.08	0.093
Missouri PEERS	2006	0.08	0.098
Missouri PEERS	2007	0.08	0.166
Missouri PEERS	2008	0.08	-0.046
Missouri PEERS	2009	0.08	-0.189
Missouri PEERS	2010	0.08	0.127
Missouri PEERS	2011	0.08	0.214
Missouri PEERS	2012	0.08	0.016
Missouri PEERS	2013	0.08	0.123
Missouri PEERS	2014	0.08	0.169
Missouri PEERS	2015	0.08	0.045
Missouri PEERS	2016	0.0775	0.018
Missouri PEERS	2017	0.076	0.125
Missouri PEERS	2018	0.075	0.089
Missouri PEERS	2019	0.075	0.07
Missouri State Employees	2001	0.085	-0.022
Missouri State Employees	2002	0.085	-0.062
Missouri State Employees	2003	0.085	0.07
Missouri State Employees	2004	0.085	0.171
Missouri State Employees	2005	0.085	0.126
Missouri State Employees	2006	0.085	0.115
Missouri State Employees	2007	0.085	0.187
Missouri State Employees	2008	0.085	0.016
Missouri State Employees	2009	0.085	-0.191
Missouri State Employees	2010	0.085	0.143
Missouri State Employees	2011	0.085	0.21
Missouri State Employees	2012	0.08	0.022
Missouri State Employees	2013	0.08	0.104
Missouri State Employees	2014	0.08	0.192
Missouri State Employees	2015	0.08	-0.026
Missouri State Employees	2016	0.0765	0.003
Missouri State Employees	2017	0.075	0.035
Missouri State Employees	2018	0.0725	0.074
Missouri State Employees	2019	0.071	0.043
Missouri Teachers	2001	0.08	-0.019
Missouri Teachers	2002	0.08	-0.028
Missouri Teachers	2003	0.08	0.048
Missouri Teachers	2004	0.08	0.124
Missouri Teachers	2005	0.08	0.092
Missouri Teachers	2006	0.08	0.098
Missouri Teachers	2007	0.08	0.1657
Missouri Teachers	2008	0.08	-0.046
Missouri Teachers	2009	0.08	-0.193
Missouri Teachers	2010	0.08	0.13
Missouri Teachers	2011	0.08	0.218
Missouri Teachers	2012	0.08	0.019
Missouri Teachers	2013	0.08	0.126
Missouri Teachers	2014	0.08	0.169
Missouri Teachers	2015	0.08	0.045
Missouri Teachers	2016	0.0775	0.018
Missouri Teachers	2017	0.076	0.125
Missouri Teachers	2018	0.075	0.089
Missouri Teachers	2019	0.075	0.07
Montana PERS	2001	0.08	-0.0504
Montana PERS	2002	0.08	-0.0723
Montana PERS	2003	0.08	0.0661
Montana PERS	2004	0.08	0.1343
Montana PERS	2005	0.08	0.0813

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Montana PERS	2006	0.08	0.0907
Montana PERS	2007	0.08	0.1796
Montana PERS	2008	0.08	-0.0486
Montana PERS	2009	0.08	-0.2069
Montana PERS	2010	0.0775	0.1287
Montana PERS	2011	0.0775	0.2179
Montana PERS	2012	0.0775	0.0241
Montana PERS	2013	0.0775	0.1304
Montana PERS	2014	0.0775	0.1716
Montana PERS	2015	0.0775	0.0458
Montana PERS	2016	0.0775	0.0207
Montana PERS	2017	0.0765	0.1194
Montana PERS	2018	0.0765	0.0885
Montana PERS	2019	0.0765	0.0571
Montana Teachers	2001	0.08	-0.0505
Montana Teachers	2002	0.08	-0.072
Montana Teachers	2003	0.08	0.0646
Montana Teachers	2004	0.0775	0.1351
Montana Teachers	2005	0.0775	0.0819
Montana Teachers	2006	0.0775	0.0905
Montana Teachers	2007	0.0775	0.1794
Montana Teachers	2008	0.0775	-0.0489
Montana Teachers	2009	0.0775	-0.2067
Montana Teachers	2010	0.0775	0.1284
Montana Teachers	2011	0.0775	0.2183
Montana Teachers	2012	0.0775	0.0242
Montana Teachers	2013	0.0775	0.1306
Montana Teachers	2014	0.0775	0.1717
Montana Teachers	2015	0.0775	0.046
Montana Teachers	2016	0.0775	0.0208
Montana Teachers	2017	0.0775	0.1192
Montana Teachers	2018	0.075	0.0882
Montana Teachers	2019	0.075	0.0569
Nebraska Schools	2001	0.08	-0.04229
Nebraska Schools	2002	0.08	-0.042
Nebraska Schools	2003	0.08	-0.088
Nebraska Schools	2004	0.08	0.236
Nebraska Schools	2005	0.08	0.114
Nebraska Schools	2006	0.08	0.07
Nebraska Schools	2007	0.08	0.152
Nebraska Schools	2008	0.08	0.078
Nebraska Schools	2009	0.08	-0.278
Nebraska Schools	2010	0.08	0.221
Nebraska Schools	2011	0.08	0.134
Nebraska Schools	2012	0.08	0
Nebraska Schools	2013	0.08	0.129
Nebraska Schools	2014	0.08	0.183
Nebraska Schools	2015	0.08	0.069
Nebraska Schools	2016	0.08	0.011
Nebraska Schools	2017	0.075	0.086
Nebraska Schools	2018	0.075	0.166
Nebraska Schools	2019	0.075	-0.042
Nevada Police Officer and Firefighter	2001	0.08	-0.015
Nevada Police Officer and Firefighter	2002	0.08	-0.027
Nevada Police Officer and Firefighter	2003	0.08	0.05
Nevada Police Officer and Firefighter	2004	0.08	0.121
Nevada Police Officer and Firefighter	2005	0.08	0.093
Nevada Police Officer and Firefighter	2006	0.08	0.088
Nevada Police Officer and Firefighter	2007	0.08	0.15
Nevada Police Officer and Firefighter	2008	0.08	-0.032
Nevada Police Officer and Firefighter	2009	0.08	-0.156
Nevada Police Officer and Firefighter	2010	0.08	0.11
Nevada Police Officer and Firefighter	2011	0.08	0.211
Nevada Police Officer and Firefighter	2012	0.08	0.031
Nevada Police Officer and Firefighter	2013	0.08	0.124
Nevada Police Officer and Firefighter	2014	0.08	0.176
Nevada Police Officer and Firefighter	2015	0.08	0.042
Nevada Police Officer and Firefighter	2016	0.08	0.023
Nevada Police Officer and Firefighter	2017	0.075	0.119
Nevada Police Officer and Firefighter	2018	0.075	0.086
Nevada Police Officer and Firefighter	2019	0.075	0.085
Nevada Regular Employees	2001	0.08	-0.015
Nevada Regular Employees	2002	0.08	-0.027
Nevada Regular Employees	2003	0.08	0.05
Nevada Regular Employees	2004	0.08	0.121
Nevada Regular Employees	2005	0.08	0.093
Nevada Regular Employees	2006	0.08	0.088
Nevada Regular Employees	2007	0.08	0.15
Nevada Regular Employees	2008	0.08	-0.032
Nevada Regular Employees	2009	0.08	-0.156
Nevada Regular Employees	2010	0.08	0.11
Nevada Regular Employees	2011	0.08	0.211
Nevada Regular Employees	2012	0.08	0.031
Nevada Regular Employees	2013	0.08	0.124
Nevada Regular Employees	2014	0.08	0.176
Nevada Regular Employees	2015	0.08	0.042
Nevada Regular Employees	2016	0.08	0.023
Nevada Regular Employees	2017	0.075	0.119
Nevada Regular Employees	2018	0.075	0.086
Nevada Regular Employees	2019	0.075	0.085
New Hampshire RS	2001	0.09	-0.067
New Hampshire RS	2002	0.09	-0.064
New Hampshire RS	2003	0.09	0.025
New Hampshire RS	2004	0.09	0.149
New Hampshire RS	2005	0.09	0.101
New Hampshire RS	2006	0.085	0.1
New Hampshire RS	2007	0.085	0.16
New Hampshire RS	2008	0.085	-0.046
New Hampshire RS	2009	0.085	-0.181
New Hampshire RS	2010	0.085	0.129
New Hampshire RS	2011	0.0775	0.23
New Hampshire RS	2012	0.0775	0.009
New Hampshire RS	2013	0.0775	0.145
New Hampshire RS	2014	0.0775	0.176
New Hampshire RS	2015	0.0775	0.035
New Hampshire RS	2016	0.0725	0.01
New Hampshire RS	2017	0.0725	0.135
New Hampshire RS	2018	0.0725	0.089
New Hampshire RS	2019	0.0725	0.067
New Jersey PERS	2001	0.0875	-0.104
New Jersey PERS	2002	0.0875	-0.09

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New Jersey PERS	2003	0.0875	0.033
New Jersey PERS	2004	0.0825	0.141
New Jersey PERS	2005	0.0825	0.087
New Jersey PERS	2006	0.0825	0.098
New Jersey PERS	2007	0.0825	0.171
New Jersey PERS	2008	0.0825	-0.0266
New Jersey PERS	2009	0.0825	-0.1427
New Jersey PERS	2010	0.0825	0.1336
New Jersey PERS	2011	0.0795	0.1803
New Jersey PERS	2012	0.079	0.0252
New Jersey PERS	2013	0.079	0.1178
New Jersey PERS	2014	0.079	0.1687
New Jersey PERS	2015	0.079	0.0416
New Jersey PERS	2016	0.0765	-0.0093
New Jersey PERS	2017	0.075	0.1307
New Jersey PERS	2018	0.075	0.0906
New Jersey PERS	2019	0.075	0.0627
New Jersey Police & Fire	2001	0.0875	-0.104
New Jersey Police & Fire	2002	0.0875	-0.09
New Jersey Police & Fire	2003	0.0875	0.033
New Jersey Police & Fire	2004	0.0825	0.141
New Jersey Police & Fire	2005	0.0825	0.087
New Jersey Police & Fire	2006	0.0825	0.098
New Jersey Police & Fire	2007	0.0825	0.171
New Jersey Police & Fire	2008	0.0825	-0.0266
New Jersey Police & Fire	2009	0.0825	-0.1427
New Jersey Police & Fire	2010	0.0825	0.1336
New Jersey Police & Fire	2011	0.0795	0.1803
New Jersey Police & Fire	2012	0.079	0.0252
New Jersey Police & Fire	2013	0.079	0.1178
New Jersey Police & Fire	2014	0.079	0.1687
New Jersey Police & Fire	2015	0.079	0.0416
New Jersey Police & Fire	2016	0.0765	-0.0093
New Jersey Police & Fire	2017	0.075	0.1307
New Jersey Police & Fire	2018	0.075	0.0906
New Jersey Police & Fire	2019	0.073	0.0627
New Jersey Teachers	2001	0.0875	-0.104
New Jersey Teachers	2002	0.0875	-0.09
New Jersey Teachers	2003	0.0875	0.033
New Jersey Teachers	2004	0.0825	0.141
New Jersey Teachers	2005	0.0825	0.087
New Jersey Teachers	2006	0.0825	0.098
New Jersey Teachers	2007	0.0825	0.171
New Jersey Teachers	2008	0.0825	-0.0266
New Jersey Teachers	2009	0.0825	-0.1427
New Jersey Teachers	2010	0.0825	0.1336
New Jersey Teachers	2011	0.0795	0.1803
New Jersey Teachers	2012	0.079	0.0252
New Jersey Teachers	2013	0.079	0.1178
New Jersey Teachers	2014	0.079	0.1687
New Jersey Teachers	2015	0.079	0.0416
New Jersey Teachers	2016	0.0765	-0.0093
New Jersey Teachers	2017	0.075	0.1307
New Jersey Teachers	2018	0.075	0.0906
New Jersey Teachers	2019	0.075	0.0627
New Mexico PERA	2001	0.08	-0.0185
New Mexico PERA	2002	0.08	-0.0207
New Mexico PERA	2003	0.08	0.0371
New Mexico PERA	2004	0.08	0.1555
New Mexico PERA	2005	0.08	0.0985
New Mexico PERA	2006	0.08	0.1174
New Mexico PERA	2007	0.08	0.1808
New Mexico PERA	2008	0.08	-0.074
New Mexico PERA	2009	0.08	-0.2411
New Mexico PERA	2010	0.08	0.1502
New Mexico PERA	2011	0.0775	0.225
New Mexico PERA	2012	0.0775	-0.0038
New Mexico PERA	2013	0.0775	0.1326
New Mexico PERA	2014	0.0775	0.174
New Mexico PERA	2015	0.0775	0.0184
New Mexico PERA	2016	0.0775	0.0049
New Mexico PERA	2017	0.0775	0.111
New Mexico PERA	2018	0.0725	0.065
New Mexico PERA	2019	0.0725	0.056
New Mexico Educational	2001	0.08	-0.101
New Mexico Educational	2002	0.08	-0.0873
New Mexico Educational	2003	0.08	0.028
New Mexico Educational	2004	0.08	0.1539
New Mexico Educational	2005	0.08	0.0986
New Mexico Educational	2006	0.08	0.123
New Mexico Educational	2007	0.08	0.176
New Mexico Educational	2008	0.08	-0.062
New Mexico Educational	2009	0.08	-0.173
New Mexico Educational	2010	0.08	0.182
New Mexico Educational	2011	0.0775	0.197
New Mexico Educational	2012	0.0775	0.02
New Mexico Educational	2013	0.0775	0.11
New Mexico Educational	2014	0.0775	0.146
New Mexico Educational	2015	0.0775	0.04
New Mexico Educational	2016	0.0775	0.026
New Mexico Educational	2017	0.0725	0.12
New Mexico Educational	2018	0.0725	0.083
New Mexico Educational	2019	0.0725	0.073
New York City ERS	2001	0.08	-0.083
New York City ERS	2002	0.08	-0.0864
New York City ERS	2003	0.08	0.0394
New York City ERS	2004	0.08	0.163
New York City ERS	2005	0.08	0.0922
New York City ERS	2006	0.08	0.0983
New York City ERS	2007	0.08	0.1839
New York City ERS	2008	0.08	-0.0496
New York City ERS	2009	0.08	-0.1818
New York City ERS	2010	0.07	0.1409
New York City ERS	2011	0.07	0.2312
New York City ERS	2012	0.07	0.0132
New York City ERS	2013	0.07	0.1224
New York City ERS	2014	0.07	0.1704
New York City ERS	2015	0.07	0.0311
New York City ERS	2016	0.07	0.0152
New York City ERS	2017	0.07	0.1299
New York City ERS	2018	0.07	0.0856

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New York City ERS	2019	0.07	0.0713
New York City Teachers	2001	0.08	-0.082
New York City Teachers	2002	0.08	-0.081
New York City Teachers	2003	0.08	0.04
New York City Teachers	2004	0.08	0.159
New York City Teachers	2005	0.08	-0.106
New York City Teachers	2006	0.08	0.0995
New York City Teachers	2007	0.08	0.1746
New York City Teachers	2008	0.08	-0.0621
New York City Teachers	2009	0.08	-0.1812
New York City Teachers	2010	0.07	0.1438
New York City Teachers	2011	0.07	0.2328
New York City Teachers	2012	0.07	0.0185
New York City Teachers	2013	0.07	-0.119
New York City Teachers	2014	0.07	0.1762
New York City Teachers	2015	0.07	0.0299
New York City Teachers	2016	0.07	0.0186
New York City Teachers	2017	0.07	0.1289
New York City Teachers	2018	0.07	0.0833
New York City Teachers	2019	0.07	0.0776
New York State Teachers	2001	0.08	-0.057
New York State Teachers	2002	0.08	-0.068
New York State Teachers	2003	0.08	0.04
New York State Teachers	2004	0.08	0.161
New York State Teachers	2005	0.08	0.106
New York State Teachers	2006	0.08	0.118
New York State Teachers	2007	0.08	0.193
New York State Teachers	2008	0.08	-0.064
New York State Teachers	2009	0.08	-0.205
New York State Teachers	2010	0.08	0.121
New York State Teachers	2011	0.08	0.232
New York State Teachers	2012	0.08	0.028
New York State Teachers	2013	0.08	0.137
New York State Teachers	2014	0.08	0.182
New York State Teachers	2015	0.075	0.052
New York State Teachers	2016	0.075	0.023
New York State Teachers	2017	0.075	0.125
New York State Teachers	2018	0.0725	0.09
New York State Teachers	2019	0.071	0.071
North Carolina Local Government	2001		-0.0204
North Carolina Local Government	2002	0.0725	-0.0404
North Carolina Local Government	2003	0.0725	0.0756
North Carolina Local Government	2004	0.0725	0.121
North Carolina Local Government	2005	0.0725	0.0985
North Carolina Local Government	2006	0.0725	0.0723
North Carolina Local Government	2007	0.0725	0.148
North Carolina Local Government	2008	0.0725	-0.021
North Carolina Local Government	2009	0.0725	-0.142
North Carolina Local Government	2010	0.0725	0.12
North Carolina Local Government	2011	0.0725	0.1848
North Carolina Local Government	2012	0.0725	0.0221
North Carolina Local Government	2013	0.0725	0.095
North Carolina Local Government	2014	0.0725	0.159
North Carolina Local Government	2015	0.0725	0.023
North Carolina Local Government	2016	0.0725	0.008
North Carolina Local Government	2017	0.072	0.1077
North Carolina Local Government	2018	0.07	0.0759
North Carolina Local Government	2019	0.07	0.0657
North Carolina Teachers and State Employees	2001		-0.0204
North Carolina Teachers and State Employees	2002	0.0725	-0.0404
North Carolina Teachers and State Employees	2003	0.0725	0.0756
North Carolina Teachers and State Employees	2004	0.0725	0.121
North Carolina Teachers and State Employees	2005	0.0725	0.0985
North Carolina Teachers and State Employees	2006	0.0725	0.0723
North Carolina Teachers and State Employees	2007	0.0725	0.148
North Carolina Teachers and State Employees	2008	0.0725	-0.021
North Carolina Teachers and State Employees	2009	0.0725	-0.142
North Carolina Teachers and State Employees	2010	0.0725	0.12
North Carolina Teachers and State Employees	2011	0.0725	0.1848
North Carolina Teachers and State Employees	2012	0.0725	0.0221
North Carolina Teachers and State Employees	2013	0.0725	0.095
North Carolina Teachers and State Employees	2014	0.0725	0.159
North Carolina Teachers and State Employees	2015	0.0725	0.023
North Carolina Teachers and State Employees	2016	0.0725	0.008
North Carolina Teachers and State Employees	2017	0.072	0.1077
North Carolina Teachers and State Employees	2018	0.07	0.07333
North Carolina Teachers and State Employees	2019	0.07	0.06502
North Dakota PERS	2001	0.08	-0.0412
North Dakota PERS	2002	0.08	-0.0683
North Dakota PERS	2003	0.08	0.0546
North Dakota PERS	2004	0.08	0.1666
North Dakota PERS	2005	0.08	0.1407
North Dakota PERS	2006	0.08	0.12
North Dakota PERS	2007	0.08	0.1896
North Dakota PERS	2008	0.08	-0.056
North Dakota PERS	2009	0.08	-0.2442
North Dakota PERS	2010	0.08	0.1367
North Dakota PERS	2011	0.08	0.2143
North Dakota PERS	2012	0.08	0.0006
North Dakota PERS	2013	0.08	0.135
North Dakota PERS	2014	0.08	0.1638
North Dakota PERS	2015	0.08	0.0353
North Dakota PERS	2016	0.08	0.0028
North Dakota PERS	2017	0.0775	0.1305
North Dakota PERS	2018	0.0775	0.0919
North Dakota PERS	2019	0.0775	0.056
North Dakota Teachers	2001	0.08	-0.073
North Dakota Teachers	2002	0.08	-0.0888
North Dakota Teachers	2003	0.08	0.0228
North Dakota Teachers	2004	0.08	0.193
North Dakota Teachers	2005	0.08	0.1336
North Dakota Teachers	2006	0.08	0.1479
North Dakota Teachers	2007	0.08	0.2004
North Dakota Teachers	2008	0.08	-0.0751
North Dakota Teachers	2009	0.08	-0.2733
North Dakota Teachers	2010	0.08	0.1387
North Dakota Teachers	2011	0.08	0.2421
North Dakota Teachers	2012	0.08	-0.0097
North Dakota Teachers	2013	0.08	0.1363
North Dakota Teachers	2014	0.08	0.1653
North Dakota Teachers	2015	0.0775	0.0352

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North Dakota Teachers	2016	0.0775	0.0028
North Dakota Teachers	2017	0.0775	0.1292
North Dakota Teachers	2018	0.0775	0.0911
North Dakota Teachers	2019	0.0775	0.0554
NY State & Local ERS	2001	0.08	-0.0865
NY State & Local ERS	2002	0.08	0.0276
NY State & Local ERS	2003	0.08	-0.102
NY State & Local ERS	2004	0.08	0.2883
NY State & Local ERS	2005	0.08	0.0851
NY State & Local ERS	2006	0.08	0.1459
NY State & Local ERS	2007	0.08	0.1258
NY State & Local ERS	2008	0.08	0.0256
NY State & Local ERS	2009	0.08	-0.2638
NY State & Local ERS	2010	0.08	0.2587
NY State & Local ERS	2011	0.075	0.1457
NY State & Local ERS	2012	0.075	0.0596
NY State & Local ERS	2013	0.075	0.1038
NY State & Local ERS	2014	0.075	0.1302
NY State & Local ERS	2015	0.075	0.0716
NY State & Local ERS	2016	0.075	0.0019
NY State & Local ERS	2017	0.07	0.1148
NY State & Local ERS	2018	0.07	0.1135
NY State & Local ERS	2019	0.068	0.0523
NY State & Local Police & Fire	2001	0.08	-0.0865
NY State & Local Police & Fire	2002	0.08	0.0276
NY State & Local Police & Fire	2003	0.08	-0.102
NY State & Local Police & Fire	2004	0.08	0.2883
NY State & Local Police & Fire	2005	0.08	0.0851
NY State & Local Police & Fire	2006	0.08	0.1459
NY State & Local Police & Fire	2007	0.08	0.1258
NY State & Local Police & Fire	2008	0.08	0.0256
NY State & Local Police & Fire	2009	0.08	-0.2638
NY State & Local Police & Fire	2010	0.08	0.2587
NY State & Local Police & Fire	2011	0.075	0.1457
NY State & Local Police & Fire	2012	0.075	0.0596
NY State & Local Police & Fire	2013	0.075	0.1038
NY State & Local Police & Fire	2014	0.075	0.1302
NY State & Local Police & Fire	2015	0.075	0.0716
NY State & Local Police & Fire	2016	0.075	0.0019
NY State & Local Police & Fire	2017	0.07	0.1148
NY State & Local Police & Fire	2018	0.07	0.1135
NY State & Local Police & Fire	2019	0.068	0.0523
Ohio PERS	2001	0.08	-0.046
Ohio PERS	2002	0.08	-0.1074
Ohio PERS	2003	0.08	0.2533
Ohio PERS	2004	0.08	0.125
Ohio PERS	2005	0.08	0.093
Ohio PERS	2006	0.08	0.151
Ohio PERS	2007	0.08	0.0889
Ohio PERS	2008	0.08	-0.2715
Ohio PERS	2009	0.08	0.1909
Ohio PERS	2010	0.08	0.1398
Ohio PERS	2011	0.08	0.0036
Ohio PERS	2012	0.08	0.1454
Ohio PERS	2013	0.08	0.1438
Ohio PERS	2014	0.08	0.0696
Ohio PERS	2015	0.08	0.0033
Ohio PERS	2016	0.075	0.0831
Ohio PERS	2017	0.075	0.1682
Ohio PERS	2018	0.072	-0.0299
Ohio PERS	2019	0.072	0.1759
Ohio Police & Fire	2001	0.0825	-0.0388
Ohio Police & Fire	2002	0.0825	-0.099
Ohio Police & Fire	2003	0.0825	0.2496
Ohio Police & Fire	2004	0.0825	0.1329
Ohio Police & Fire	2005	0.0825	0.0882
Ohio Police & Fire	2006	0.0825	0.1615
Ohio Police & Fire	2007	0.0825	0.1047
Ohio Police & Fire	2008	0.0825	-0.2806
Ohio Police & Fire	2009	0.0825	0.2073
Ohio Police & Fire	2010	0.0825	0.1583
Ohio Police & Fire	2011	0.0825	0.0256
Ohio Police & Fire	2012	0.0825	0.1489
Ohio Police & Fire	2013	0.0825	0.1694
Ohio Police & Fire	2014	0.0825	0.0679
Ohio Police & Fire	2015	0.0825	0.0065
Ohio Police & Fire	2016	0.08	0.1151
Ohio Police & Fire	2017	0.08	0.143
Ohio Police & Fire	2018	0.08	-0.0178
Ohio Police & Fire	2019	0.08	0.1789
Ohio School Employees	2001	0.0775	-0.068
Ohio School Employees	2002	0.0825	-0.078
Ohio School Employees	2003	0.0825	0.018
Ohio School Employees	2004	0.0825	0.165
Ohio School Employees	2005	0.0825	0.105
Ohio School Employees	2006	0.08	0.132
Ohio School Employees	2007	0.08	0.193
Ohio School Employees	2008	0.08	-0.053
Ohio School Employees	2009	0.08	-0.218
Ohio School Employees	2010	0.08	0.123
Ohio School Employees	2011	0.0775	0.209
Ohio School Employees	2012	0.0775	0.009
Ohio School Employees	2013	0.0775	0.137
Ohio School Employees	2014	0.0775	0.18
Ohio School Employees	2015	0.0775	0.039
Ohio School Employees	2016	0.075	0.014
Ohio School Employees	2017	0.075	0.132
Ohio School Employees	2018	0.075	0.092
Ohio School Employees	2019	0.075	0.066
Ohio Teachers	2001	0.0775	-0.0243
Ohio Teachers	2002	0.0775	-0.0813
Ohio Teachers	2003	0.08	0.0232
Ohio Teachers	2004	0.08	0.177
Ohio Teachers	2005	0.08	0.1225
Ohio Teachers	2006	0.08	0.1373
Ohio Teachers	2007	0.08	0.2073
Ohio Teachers	2008	0.08	-0.0544
Ohio Teachers	2009	0.08	-0.2166
Ohio Teachers	2010	0.08	0.1354
Ohio Teachers	2011	0.08	0.2259
Ohio Teachers	2012	0.0775	0.0234

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Ohio Teachers	2013	0.0775	0.1366
Ohio Teachers	2014	0.0775	0.1683
Ohio Teachers	2015	0.0775	0.0545
Ohio Teachers	2016	0.0775	0.0092
Ohio Teachers	2017	0.0745	0.1429
Ohio Teachers	2018	0.0745	0.0957
Ohio Teachers	2019	0.0745	0.0713
Oklahoma PERS	2001	0.075	-0.059
Oklahoma PERS	2002	0.075	-0.051
Oklahoma PERS	2003	0.075	0.057
Oklahoma PERS	2004	0.075	0.14
Oklahoma PERS	2005	0.075	0.105
Oklahoma PERS	2006	0.075	0.08
Oklahoma PERS	2007	0.075	0.164
Oklahoma PERS	2008	0.075	-0.042
Oklahoma PERS	2009	0.075	-0.154
Oklahoma PERS	2010	0.075	0.138
Oklahoma PERS	2011	0.075	0.212
Oklahoma PERS	2012	0.075	0.0244
Oklahoma PERS	2013	0.075	0.1203
Oklahoma PERS	2014	0.075	0.18
Oklahoma PERS	2015	0.075	0.032
Oklahoma PERS	2016	0.075	0.003
Oklahoma PERS	2017	0.07	0.128
Oklahoma PERS	2018	0.07	0.084
Oklahoma PERS	2019	0.07	0.061
Oklahoma Teachers	2001	0.08	-0.023
Oklahoma Teachers	2002	0.08	-0.054
Oklahoma Teachers	2003	0.08	0.053
Oklahoma Teachers	2004	0.08	0.206
Oklahoma Teachers	2005	0.08	0.104
Oklahoma Teachers	2006	0.08	0.097
Oklahoma Teachers	2007	0.08	0.185
Oklahoma Teachers	2008	0.08	-0.072
Oklahoma Teachers	2009	0.08	-0.1554
Oklahoma Teachers	2010	0.08	0.17
Oklahoma Teachers	2011	0.08	0.235
Oklahoma Teachers	2012	0.08	0.018
Oklahoma Teachers	2013	0.08	0.178
Oklahoma Teachers	2014	0.08	0.224
Oklahoma Teachers	2015	0.08	0.035
Oklahoma Teachers	2016	0.075	-0.02
Oklahoma Teachers	2017	0.075	0.1528
Oklahoma Teachers	2018	0.075	0.097
Oklahoma Teachers	2019	0.075	0.052
Oregon PERS	2001		-0.081
Oregon PERS	2002	0.08	-0.064
Oregon PERS	2003	0.08	0.028
Oregon PERS	2004	0.08	0.18
Oregon PERS	2005	0.08	0.137
Oregon PERS	2006	0.08	0.143
Oregon PERS	2007	0.08	0.186
Oregon PERS	2008	0.08	-0.038
Oregon PERS	2009	0.08	-0.223
Oregon PERS	2010	0.08	0.17
Oregon PERS	2011	0.08	0.223
Oregon PERS	2012	0.08	0.016
Oregon PERS	2013	0.08	0.127
Oregon PERS	2014	0.0775	0.166
Oregon PERS	2015	0.075	0.043
Oregon PERS	2016	0.075	0.0121
Oregon PERS	2017	0.072	0.1192
Oregon PERS	2018	0.072	0.094
Oregon PERS	2019	0.072	0.0652
Pennsylvania School Employees	2001	0.085	-0.072
Pennsylvania School Employees	2002	0.085	-0.0525
Pennsylvania School Employees	2003	0.085	0.0274
Pennsylvania School Employees	2004	0.085	0.1967
Pennsylvania School Employees	2005	0.085	0.1287
Pennsylvania School Employees	2006	0.085	0.1526
Pennsylvania School Employees	2007	0.085	0.2293
Pennsylvania School Employees	2008	0.0825	-0.0282
Pennsylvania School Employees	2009	0.08	-0.2654
Pennsylvania School Employees	2010	0.08	0.1459
Pennsylvania School Employees	2011	0.075	0.2037
Pennsylvania School Employees	2012	0.075	0.0343
Pennsylvania School Employees	2013	0.075	0.0796
Pennsylvania School Employees	2014	0.075	0.1491
Pennsylvania School Employees	2015	0.075	0.0304
Pennsylvania School Employees	2016	0.0725	0.0129
Pennsylvania School Employees	2017	0.0725	0.1014
Pennsylvania School Employees	2018	0.0725	0.0927
Pennsylvania School Employees	2019	0.0725	0.0668
Pennsylvania State ERS	2001	0.085	-0.079
Pennsylvania State ERS	2002	0.085	-0.109
Pennsylvania State ERS	2003	0.085	0.243
Pennsylvania State ERS	2004	0.085	0.151
Pennsylvania State ERS	2005	0.085	0.145
Pennsylvania State ERS	2006	0.085	0.164
Pennsylvania State ERS	2007	0.085	0.172
Pennsylvania State ERS	2008	0.08	-0.287
Pennsylvania State ERS	2009	0.08	0.091
Pennsylvania State ERS	2010	0.08	0.119
Pennsylvania State ERS	2011	0.075	0.027
Pennsylvania State ERS	2012	0.075	0.12
Pennsylvania State ERS	2013	0.075	0.136
Pennsylvania State ERS	2014	0.075	0.064
Pennsylvania State ERS	2015	0.075	0.004
Pennsylvania State ERS	2016	0.075	0.065
Pennsylvania State ERS	2017	0.0725	0.151
Pennsylvania State ERS	2018	0.0725	-0.046
Pennsylvania State ERS	2019	0.07125	0.188
Phoenix ERS	2001	0.08	-0.014
Phoenix ERS	2002	0.08	-0.064
Phoenix ERS	2003	0.08	0.033
Phoenix ERS	2004	0.08	0.16
Phoenix ERS	2005	0.08	0.086
Phoenix ERS	2006	0.08	0.09
Phoenix ERS	2007	0.08	0.165
Phoenix ERS	2008	0.08	-0.051
Phoenix ERS	2009	0.08	-0.204

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Phoenix ERS	2010	0.08	0.103
Phoenix ERS	2011	0.08	0.213
Phoenix ERS	2012	0.08	-0.0018
Phoenix ERS	2013	0.08	0.1135
Phoenix ERS	2014	0.075	0.1588
Phoenix ERS	2015	0.075	0.0264
Phoenix ERS	2016	0.075	0.009
Phoenix ERS	2017	0.0725	0.115
Phoenix ERS	2018	0.0725	0.071
Phoenix ERS	2019	0.0725	0.062
Rhode Island ERS	2001	0.0825	-0.11
Rhode Island ERS	2002	0.0825	-0.084
Rhode Island ERS	2003	0.0825	0.039
Rhode Island ERS	2004	0.0825	0.195
Rhode Island ERS	2005	0.0825	0.122
Rhode Island ERS	2006	0.0825	0.126
Rhode Island ERS	2007	0.0825	0.1584
Rhode Island ERS	2008	0.0825	-0.0539
Rhode Island ERS	2009	0.0825	-0.1918
Rhode Island ERS	2010	0.075	0.1346
Rhode Island ERS	2011	0.075	0.204
Rhode Island ERS	2012	0.075	0.0155
Rhode Island ERS	2013	0.075	0.111
Rhode Island ERS	2014	0.075	0.1512
Rhode Island ERS	2015	0.075	0.0222
Rhode Island ERS	2016	0.075	-0.0027
Rhode Island ERS	2017	0.07	0.1162
Rhode Island ERS	2018	0.07	0.0803
Rhode Island ERS	2019	0.07	0.0654
Rhode Island Municipal	2001	0.0825	-0.11
Rhode Island Municipal	2002	0.0825	-0.084
Rhode Island Municipal	2003	0.0825	0.039
Rhode Island Municipal	2004	0.0825	0.195
Rhode Island Municipal	2005	0.0825	0.122
Rhode Island Municipal	2006	0.0825	0.126
Rhode Island Municipal	2007	0.0825	0.1584
Rhode Island Municipal	2008	0.0825	-0.0539
Rhode Island Municipal	2009	0.0825	-0.1918
Rhode Island Municipal	2010	0.075	0.1346
Rhode Island Municipal	2011	0.075	0.204
Rhode Island Municipal	2012	0.075	0.0155
Rhode Island Municipal	2013	0.075	0.111
Rhode Island Municipal	2014	0.075	0.1512
Rhode Island Municipal	2015	0.075	0.0222
Rhode Island Municipal	2016	0.075	-0.0027
Rhode Island Municipal	2017	0.07	0.1162
Rhode Island Municipal	2018	0.07	0.0803
Rhode Island Municipal	2019	0.07	0.0654
San Diego County	2001	0.0825	-0.084
San Diego County	2002	0.0825	-0.0457
San Diego County	2003	0.0825	0.0372
San Diego County	2004	0.0825	0.2127
San Diego County	2005	0.0825	0.1391
San Diego County	2006	0.0825	0.1468
San Diego County	2007	0.0825	0.154
San Diego County	2008	0.0825	0.007
San Diego County	2009	0.0825	-0.244
San Diego County	2010	0.08	0.13
San Diego County	2011	0.08	0.207
San Diego County	2012	0.08	0.0589
San Diego County	2013	0.0775	0.0773
San Diego County	2014	0.0775	0.1344
San Diego County	2015	0.075	0.0268
San Diego County	2016	0.0725	0.0045
San Diego County	2017	0.0725	0.12
San Diego County	2018	0.0725	0.079
San Diego County	2019	0.07	0.055
San Francisco City & County	2001	0.0825	-0.1037
San Francisco City & County	2002	0.0825	-0.045
San Francisco City & County	2003	0.0825	0.0282
San Francisco City & County	2004	0.08	0.1634
San Francisco City & County	2005	0.08	0.1263
San Francisco City & County	2006	0.08	0.1346
San Francisco City & County	2007	0.08	0.1871
San Francisco City & County	2008	0.0775	-0.0313
San Francisco City & County	2009	0.0775	-0.2198
San Francisco City & County	2010	0.0775	0.1255
San Francisco City & County	2011	0.0766	0.2184
San Francisco City & County	2012	0.0758	0.0167
San Francisco City & County	2013	0.0758	0.1301
San Francisco City & County	2014	0.075	0.1873
San Francisco City & County	2015	0.075	0.0396
San Francisco City & County	2016	0.075	0.0129
San Francisco City & County	2017	0.075	0.1381
San Francisco City & County	2018	0.074	0.1114
San Francisco City & County	2019	0.074	0.0818
South Carolina Police	2001	0.0725	0.0736
South Carolina Police	2002	0.0725	0.0085
South Carolina Police	2003	0.0725	0.0832
South Carolina Police	2004	0.0725	0.0864
South Carolina Police	2005	0.0725	0.0663
South Carolina Police	2006	0.0725	0.051
South Carolina Police	2007	0.0725	0.1325
South Carolina Police	2008	0.08	-0.0256
South Carolina Police	2009	0.08	-0.1904
South Carolina Police	2010	0.08	0.1462
South Carolina Police	2011	0.075	0.1859
South Carolina Police	2012	0.075	0.0061
South Carolina Police	2013	0.075	0.0999
South Carolina Police	2014	0.075	0.1529
South Carolina Police	2015	0.075	0.016
South Carolina Police	2016	0.075	-0.0039
South Carolina Police	2017	0.0725	0.1188
South Carolina Police	2018	0.0725	0.0782
South Carolina Police	2019	0.0725	0.0584
South Carolina RS	2001	0.0725	0.0752
South Carolina RS	2002	0.0725	0.0093
South Carolina RS	2003	0.0725	0.0898
South Carolina RS	2004	0.0725	0.0879
South Carolina RS	2005	0.0725	0.0703
South Carolina RS	2006	0.0725	0.0511

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South Carolina RS	2007	0.0725	0.1335
South Carolina RS	2008	0.08	-0.0256
South Carolina RS	2009	0.08	-0.1904
South Carolina RS	2010	0.08	0.1462
South Carolina RS	2011	0.075	0.1859
South Carolina RS	2012	0.075	0.0064
South Carolina RS	2013	0.075	0.0999
South Carolina RS	2014	0.075	0.1529
South Carolina RS	2015	0.075	0.016
South Carolina RS	2016	0.075	-0.0039
South Carolina RS	2017	0.0725	0.1188
South Carolina RS	2018	0.0725	0.0782
South Carolina RS	2019	0.0725	0.0584
South Dakota RS	2001	0.08	-0.029
South Dakota RS	2002	0.08	-0.049
South Dakota RS	2003	0.08	0.05
South Dakota RS	2004	0.08	0.166
South Dakota RS	2005	0.0775	0.133
South Dakota RS	2006	0.0775	0.131
South Dakota RS	2007	0.0775	0.2139
South Dakota RS	2008	0.0775	-0.0865
South Dakota RS	2009	0.0775	-0.2036
South Dakota RS	2010	0.0775	0.187
South Dakota RS	2011	0.0775	0.258
South Dakota RS	2012	0.0725	0.019
South Dakota RS	2013	0.0725	0.1902
South Dakota RS	2014	0.0725	0.189
South Dakota RS	2015	0.0725	0.042
South Dakota RS	2016	0.0725	0.003
South Dakota RS	2017	0.065	0.1381
South Dakota RS	2018	0.065	0.0794
South Dakota RS	2019	0.065	0.0488
St. Louis School Employees	2001	0.08	-0.02
St. Louis School Employees	2002	0.08	-0.059
St. Louis School Employees	2003	0.08	0.228
St. Louis School Employees	2004	0.08	0.12
St. Louis School Employees	2005	0.08	0.063
St. Louis School Employees	2006	0.08	0.136
St. Louis School Employees	2007	0.08	0.098
St. Louis School Employees	2008	0.08	-0.247
St. Louis School Employees	2009	0.08	0.209
St. Louis School Employees	2010	0.08	0.149
St. Louis School Employees	2011	0.08	-0.001
St. Louis School Employees	2012	0.08	0.124
St. Louis School Employees	2013	0.08	0.158
St. Louis School Employees	2014	0.08	0.045
St. Louis School Employees	2015	0.08	-0.005
St. Louis School Employees	2016	0.075	0.063
St. Louis School Employees	2017	0.075	0.162
St. Louis School Employees	2018	0.075	-0.05
St. Louis School Employees	2019	0.075	0.168
St. Paul Teachers	2001	0.085	-0.0235
St. Paul Teachers	2002	0.085	-0.0365
St. Paul Teachers	2003	0.085	0.029
St. Paul Teachers	2004	0.085	0.2009
St. Paul Teachers	2005	0.085	0.1209
St. Paul Teachers	2006	0.085	0.126
St. Paul Teachers	2007	0.085	0.198
St. Paul Teachers	2008	0.085	-0.066
St. Paul Teachers	2009	0.085	-0.188
St. Paul Teachers	2010	0.085	0.134
St. Paul Teachers	2011	0.085	0.2501
St. Paul Teachers	2012	0.08	0.0015
St. Paul Teachers	2013	0.08	0.135
St. Paul Teachers	2014	0.08	0.185
St. Paul Teachers	2015	0.08	0.0265
St. Paul Teachers	2016	0.08	0.0034
St. Paul Teachers	2017	0.08	0.1393
St. Paul Teachers	2018	0.075	0.0975
St. Paul Teachers	2019	0.075	0.0573
Texas County & District	2001	0.08	0.0297
Texas County & District	2002	0.08	0.016
Texas County & District	2003	0.08	0.202
Texas County & District	2004	0.08	0.128
Texas County & District	2005	0.08	0.073
Texas County & District	2006	0.08	0.14
Texas County & District	2007	0.08	0.081
Texas County & District	2008	0.08	-0.289
Texas County & District	2009	0.08	0.267
Texas County & District	2010	0.08	0.128
Texas County & District	2011	0.08	-0.01
Texas County & District	2012	0.08	0.126
Texas County & District	2013	0.08	0.164
Texas County & District	2014	0.08	0.068
Texas County & District	2015	0.08	-0.007
Texas County & District	2016	0.08	0.075
Texas County & District	2017	0.08	0.147
Texas County & District	2018	0.08	-0.019
Texas County & District	2019	0.08	0.166
Texas ERS	2001	0.08	-0.0691
Texas ERS	2002	0.08	-0.0717
Texas ERS	2003	0.08	0.092
Texas ERS	2004	0.08	0.1169
Texas ERS	2005	0.08	0.1271
Texas ERS	2006	0.08	0.0883
Texas ERS	2007	0.08	0.1388
Texas ERS	2008	0.08	-0.0458
Texas ERS	2009	0.08	-0.066
Texas ERS	2010	0.08	0.0665
Texas ERS	2011	0.08	0.1258
Texas ERS	2012	0.08	0.0822
Texas ERS	2013	0.08	0.1007
Texas ERS	2014	0.08	0.147
Texas ERS	2015	0.08	0.0049
Texas ERS	2016	0.08	0.0532
Texas ERS	2017	0.08	0.1215
Texas ERS	2018	0.075	0.0958
Texas ERS	2019	0.075	0.0304
Texas LECOS	2001	0.08	-0.0691
Texas LECOS	2002	0.08	-0.0717
Texas LECOS	2003	0.08	0.092

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Texas LECCOS	2004	0.08	0.1169
Texas LECCOS	2005	0.08	0.1271
Texas LECCOS	2006	0.08	0.0883
Texas LECCOS	2007	0.08	0.1388
Texas LECCOS	2008	0.08	-0.0458
Texas LECCOS	2009	0.08	-0.066
Texas LECCOS	2010	0.08	0.0665
Texas LECCOS	2011	0.08	0.1258
Texas LECCOS	2012	0.08	0.0822
Texas LECCOS	2013	0.08	0.1007
Texas LECCOS	2014	0.08	0.147
Texas LECCOS	2015	0.08	0.0049
Texas LECCOS	2016	0.08	0.0532
Texas LECCOS	2017	0.075	0.1215
Texas LECCOS	2018	0.075	0.0958
Texas LECCOS	2019	0.075	0.0304
Texas Municipal	2001	0.08	0.085
Texas Municipal	2002	0.08	0.173
Texas Municipal	2003	0.07	0.017
Texas Municipal	2004	0.07	0.128
Texas Municipal	2005	0.07	0.106
Texas Municipal	2006	0.07	0.008
Texas Municipal	2007	0.07	0.078
Texas Municipal	2008	0.07	-0.013
Texas Municipal	2009	0.07	0.102
Texas Municipal	2010	0.07	0.09
Texas Municipal	2011	0.07	0.024
Texas Municipal	2012	0.07	0.101
Texas Municipal	2013	0.07	0.0986
Texas Municipal	2014	0.07	0.0599
Texas Municipal	2015	0.0675	0.0034
Texas Municipal	2016	0.0675	0.0742
Texas Municipal	2017	0.0675	0.1427
Texas Municipal	2018	0.0675	-0.0211
Texas Municipal	2019	0.0675	0.1496
Texas Teachers	2001	0.08	-0.05
Texas Teachers	2002	0.08	-0.064
Texas Teachers	2003	0.08	0.047
Texas Teachers	2004	0.08	0.157
Texas Teachers	2005	0.08	0.095
Texas Teachers	2006	0.08	0.104
Texas Teachers	2007	0.08	0.175
Texas Teachers	2008	0.08	-0.021
Texas Teachers	2009	0.08	-0.219
Texas Teachers	2010	0.08	0.157
Texas Teachers	2011	0.08	0.222
Texas Teachers	2012	0.08	0.027
Texas Teachers	2013	0.08	0.102
Texas Teachers	2014	0.08	0.163
Texas Teachers	2015	0.08	0.042
Texas Teachers	2016	0.08	0.013
Texas Teachers	2017	0.08	0.129
Texas Teachers	2018	0.0725	0.092
Texas Teachers	2019	0.0725	0.064
TN Political Subdivisions	2001	0.075	-0.0157
TN Political Subdivisions	2002	0.075	-0.0192
TN Political Subdivisions	2003	0.075	0.049
TN Political Subdivisions	2004	0.075	0.0932
TN Political Subdivisions	2005	0.075	0.0726
TN Political Subdivisions	2006	0.075	0.0694
TN Political Subdivisions	2007	0.075	0.1315
TN Political Subdivisions	2008	0.075	-0.0121
TN Political Subdivisions	2009	0.075	-0.1527
TN Political Subdivisions	2010	0.075	0.1024
TN Political Subdivisions	2011	0.075	0.1959
TN Political Subdivisions	2012	0.075	0.0561
TN Political Subdivisions	2013	0.075	0.0992
TN Political Subdivisions	2014	0.075	0.1665
TN Political Subdivisions	2015	0.075	0.0333
TN Political Subdivisions	2016	0.075	0.0279
TN Political Subdivisions	2017	0.075	0.1142
TN Political Subdivisions	2018	0.0725	0.0819
TN Political Subdivisions	2019	0.0725	0.0754
TN State and Teachers	2001	0.075	-0.0157
TN State and Teachers	2002	0.075	-0.0192
TN State and Teachers	2003	0.075	0.049
TN State and Teachers	2004	0.075	0.0932
TN State and Teachers	2005	0.075	0.0726
TN State and Teachers	2006	0.075	0.0694
TN State and Teachers	2007	0.075	0.1315
TN State and Teachers	2008	0.075	-0.0121
TN State and Teachers	2009	0.075	-0.1527
TN State and Teachers	2010	0.075	0.1024
TN State and Teachers	2011	0.075	0.1959
TN State and Teachers	2012	0.075	0.0561
TN State and Teachers	2013	0.075	0.0992
TN State and Teachers	2014	0.075	0.1665
TN State and Teachers	2015	0.075	0.0333
TN State and Teachers	2016	0.075	0.0279
TN State and Teachers	2017	0.075	0.1142
TN State and Teachers	2018	0.0725	0.0819
TN State and Teachers	2019	0.0725	0.0754
University of California	2001	0.075	-0.055
University of California	2002	0.075	-0.092
University of California	2003	0.075	0.056
University of California	2004	0.075	0.143
University of California	2005	0.075	0.103
University of California	2006	0.075	0.071
University of California	2007	0.075	0.1883
University of California	2008	0.075	-0.0574
University of California	2009	0.075	-0.1881
University of California	2010	0.075	0.1272
University of California	2011	0.075	0.2245
University of California	2012	0.075	0.0037
University of California	2013	0.075	0.1171
University of California	2014	0.075	0.1742
University of California	2015	0.075	0.045
University of California	2016	0.0725	-0.02
University of California	2017	0.0725	0.145
University of California	2018	0.0725	0.078
University of California	2019	0.0675	0.06

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Utah Noncontributory	2001	0.08	-0.05
Utah Noncontributory	2002	0.08	-0.075
Utah Noncontributory	2003	0.08	0.26
Utah Noncontributory	2004	0.08	-0.132
Utah Noncontributory	2005	0.08	0.0896
Utah Noncontributory	2006	0.08	0.1477
Utah Noncontributory	2007	0.0775	0.0715
Utah Noncontributory	2008	0.0775	-0.223
Utah Noncontributory	2009	0.0775	0.1288
Utah Noncontributory	2010	0.075	0.1373
Utah Noncontributory	2011	0.075	0.0289
Utah Noncontributory	2012	0.075	-0.131
Utah Noncontributory	2013	0.075	0.1489
Utah Noncontributory	2014	0.075	0.0752
Utah Noncontributory	2015	0.072	0.0192
Utah Noncontributory	2016	0.0695	0.0879
Utah Noncontributory	2017	0.0695	0.1357
Utah Noncontributory	2018	0.0695	-0.0022
Utah Noncontributory	2019	0.0695	0.1445
Vermont State Employees	2001	0.085	0.1099
Vermont State Employees	2002	0.08	0.0707
Vermont State Employees	2003	0.08	0.046
Vermont State Employees	2004	0.08	0.157
Vermont State Employees	2005	0.08	0.089
Vermont State Employees	2006	0.08	0.106
Vermont State Employees	2007	0.0825	0.165
Vermont State Employees	2008	0.0825	-0.059
Vermont State Employees	2009	0.0825	-0.187
Vermont State Employees	2010	0.0825	0.178
Vermont State Employees	2011	0.085	0.212
Vermont State Employees	2012	0.085	0.024
Vermont State Employees	2013	0.085	0.086
Vermont State Employees	2014	0.085	0.145
Vermont State Employees	2015	0.0795	0.0233
Vermont State Employees	2016	0.0795	0.011
Vermont State Employees	2017	0.075	0.106
Vermont State Employees	2018	0.075	0.067
Vermont State Employees	2019	0.075	0.059
Vermont Teachers	2001	0.085	-0.016
Vermont Teachers	2002	0.085	-0.047
Vermont Teachers	2003	0.08	0.056
Vermont Teachers	2004	0.08	0.157
Vermont Teachers	2005	0.08	0.097
Vermont Teachers	2006	0.0825	0.104
Vermont Teachers	2007	0.0825	0.174
Vermont Teachers	2008	0.0825	-0.066
Vermont Teachers	2009	0.085	-0.198
Vermont Teachers	2010	0.0825	0.179
Vermont Teachers	2011	0.085	0.205
Vermont Teachers	2012	0.085	0.022
Vermont Teachers	2013	0.085	0.085
Vermont Teachers	2014	0.085	0.142
Vermont Teachers	2015	0.0795	0.02
Vermont Teachers	2016	0.0795	0.014
Vermont Teachers	2017	0.075	0.104
Vermont Teachers	2018	0.075	0.067
Vermont Teachers	2019	0.075	0.061
Virginia RS	2001	0.08	-0.074
Virginia RS	2002	0.08	-0.073
Virginia RS	2003	0.08	0.025
Virginia RS	2004	0.08	0.179
Virginia RS	2005	0.075	0.12
Virginia RS	2006	0.075	0.124
Virginia RS	2007	0.075	0.204
Virginia RS	2008	0.075	-0.044
Virginia RS	2009	0.075	-0.211
Virginia RS	2010	0.07	0.141
Virginia RS	2011	0.07	0.191
Virginia RS	2012	0.07	0.014
Virginia RS	2013	0.07	0.118
Virginia RS	2014	0.07	0.157
Virginia RS	2015	0.07	0.047
Virginia RS	2016	0.07	0.019
Virginia RS	2017	0.07	0.121
Virginia RS	2018	0.07	0.075
Virginia RS	2019	0.0675	0.067
Washington LEOFF Plan 2	2001	0.08	-0.0596
Washington LEOFF Plan 2	2002	0.08	-0.064
Washington LEOFF Plan 2	2003	0.08	0.0415
Washington LEOFF Plan 2	2004	0.08	0.1606
Washington LEOFF Plan 2	2005	0.08	0.1334
Washington LEOFF Plan 2	2006	0.08	0.1669
Washington LEOFF Plan 2	2007	0.08	0.2133
Washington LEOFF Plan 2	2008	0.08	-0.0124
Washington LEOFF Plan 2	2009	0.08	-0.2284
Washington LEOFF Plan 2	2010	0.08	0.1322
Washington LEOFF Plan 2	2011	0.079	0.2114
Washington LEOFF Plan 2	2012	0.075	0.014
Washington LEOFF Plan 2	2013	0.078	0.1236
Washington LEOFF Plan 2	2014	0.075	0.1706
Washington LEOFF Plan 2	2015	0.075	0.0493
Washington LEOFF Plan 2	2016	0.075	0.0265
Washington LEOFF Plan 2	2017	0.075	0.1344
Washington LEOFF Plan 2	2018	0.075	0.102
Washington LEOFF Plan 2	2019	0.075	0.0836
Washington PERS 2/3	2001	0.08	-0.0596
Washington PERS 2/3	2002	0.08	-0.064
Washington PERS 2/3	2003	0.08	0.0415
Washington PERS 2/3	2004	0.08	0.1606
Washington PERS 2/3	2005	0.08	0.1334
Washington PERS 2/3	2006	0.08	0.1669
Washington PERS 2/3	2007	0.08	0.2133
Washington PERS 2/3	2008	0.08	-0.0124
Washington PERS 2/3	2009	0.08	-0.2284
Washington PERS 2/3	2010	0.08	0.1322
Washington PERS 2/3	2011	0.079	0.2114
Washington PERS 2/3	2012	0.079	0.014
Washington PERS 2/3	2013	0.078	0.1236
Washington PERS 2/3	2014	0.078	0.1706
Washington PERS 2/3	2015	0.077	0.0493
Washington PERS 2/3	2016	0.077	0.0265

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Washington PERS 2/3	2017	0.075	0.1344
Washington PERS 2/3	2018	0.075	-0.102
Washington PERS 2/3	2019	0.075	0.0836
Washington School Employees Plan 2/3	2001	0.08	-0.0596
Washington School Employees Plan 2/3	2002	0.08	-0.064
Washington School Employees Plan 2/3	2003	0.08	0.0415
Washington School Employees Plan 2/3	2004	0.08	0.1606
Washington School Employees Plan 2/3	2005	0.08	0.1334
Washington School Employees Plan 2/3	2006	0.08	0.1669
Washington School Employees Plan 2/3	2007	0.08	0.2133
Washington School Employees Plan 2/3	2008	0.08	-0.0124
Washington School Employees Plan 2/3	2009	0.08	-0.2284
Washington School Employees Plan 2/3	2010	0.08	0.1322
Washington School Employees Plan 2/3	2011	0.079	0.2114
Washington School Employees Plan 2/3	2012	0.079	0.014
Washington School Employees Plan 2/3	2013	0.078	0.1236
Washington School Employees Plan 2/3	2014	0.078	0.1706
Washington School Employees Plan 2/3	2015	0.077	0.0493
Washington School Employees Plan 2/3	2016	0.077	0.0265
Washington School Employees Plan 2/3	2017	0.075	0.1344
Washington School Employees Plan 2/3	2018	0.075	0.102
Washington School Employees Plan 2/3	2019	0.075	0.0836
Washington Teachers Plan 2/3	2001	0.08	-0.0596
Washington Teachers Plan 2/3	2002	0.08	-0.064
Washington Teachers Plan 2/3	2003	0.08	0.0415
Washington Teachers Plan 2/3	2004	0.08	0.1606
Washington Teachers Plan 2/3	2005	0.08	0.1334
Washington Teachers Plan 2/3	2006	0.08	0.1669
Washington Teachers Plan 2/3	2007	0.08	0.2133
Washington Teachers Plan 2/3	2008	0.08	-0.0124
Washington Teachers Plan 2/3	2009	0.08	-0.2284
Washington Teachers Plan 2/3	2010	0.08	0.1322
Washington Teachers Plan 2/3	2011	0.079	0.2114
Washington Teachers Plan 2/3	2012	0.079	0.014
Washington Teachers Plan 2/3	2013	0.078	0.1236
Washington Teachers Plan 2/3	2014	0.078	0.1706
Washington Teachers Plan 2/3	2015	0.077	0.0493
Washington Teachers Plan 2/3	2016	0.077	0.0265
Washington Teachers Plan 2/3	2017	0.075	0.1344
Washington Teachers Plan 2/3	2018	0.075	0.102
Washington Teachers Plan 2/3	2019	0.075	0.0836
West Virginia PERS	2001	0.08	-0.003
West Virginia PERS	2002	0.075	-0.029
West Virginia PERS	2003	0.075	0.049
West Virginia PERS	2004	0.075	0.152
West Virginia PERS	2005	0.075	0.107
West Virginia PERS	2006	0.075	0.095
West Virginia PERS	2007	0.075	0.176
West Virginia PERS	2008	0.075	-0.065
West Virginia PERS	2009	0.075	-0.156
West Virginia PERS	2010	0.075	0.16
West Virginia PERS	2011	0.075	0.207
West Virginia PERS	2012	0.075	0.011
West Virginia PERS	2013	0.075	0.131
West Virginia PERS	2014	0.075	0.179
West Virginia PERS	2015	0.075	0.039
West Virginia PERS	2016	0.075	-0.001
West Virginia PERS	2017	0.075	0.158
West Virginia PERS	2018	0.075	0.098
West Virginia PERS	2019	0.075	0.06
West Virginia Teachers	2001	0.08	-0.003
West Virginia Teachers	2002	0.075	-0.03
West Virginia Teachers	2003	0.075	0.048
West Virginia Teachers	2004	0.075	0.151
West Virginia Teachers	2005	0.075	0.106
West Virginia Teachers	2006	0.075	0.096
West Virginia Teachers	2007	0.075	0.174
West Virginia Teachers	2008	0.075	-0.077
West Virginia Teachers	2009	0.075	-0.161
West Virginia Teachers	2010	0.075	0.152
West Virginia Teachers	2011	0.075	0.205
West Virginia Teachers	2012	0.075	0.01
West Virginia Teachers	2013	0.075	0.13
West Virginia Teachers	2014	0.075	0.179
West Virginia Teachers	2015	0.075	0.04
West Virginia Teachers	2016	0.075	-0.001
West Virginia Teachers	2017	0.075	0.157
West Virginia Teachers	2018	0.075	0.097
West Virginia Teachers	2019	0.075	0.06
Wisconsin RS	2001	0.08	-0.054
Wisconsin RS	2002	0.08	-0.088
Wisconsin RS	2003	0.078	0.242
Wisconsin RS	2004	0.078	0.128
Wisconsin RS	2005	0.078	0.085
Wisconsin RS	2006	0.078	0.158
Wisconsin RS	2007	0.078	0.087
Wisconsin RS	2008	0.078	-0.262
Wisconsin RS	2009	0.078	0.224
Wisconsin RS	2010	0.072	0.124
Wisconsin RS	2011	0.072	0.014
Wisconsin RS	2012	0.072	0.137
Wisconsin RS	2013	0.072	0.136
Wisconsin RS	2014	0.072	0.057
Wisconsin RS	2015	0.072	-0.004
Wisconsin RS	2016	0.072	0.086
Wisconsin RS	2017	0.072	0.162
Wisconsin RS	2018	0.07	-0.033
Wisconsin RS	2019	0.07	
Wyoming Public Employees	2001	0.08	-0.0444
Wyoming Public Employees	2002	0.08	-0.0929
Wyoming Public Employees	2003	0.08	0.21
Wyoming Public Employees	2004	0.08	0.1154
Wyoming Public Employees	2005	0.08	0.0822
Wyoming Public Employees	2006	0.08	0.1263
Wyoming Public Employees	2007	0.08	0.0744
Wyoming Public Employees	2008	0.08	-0.2963
Wyoming Public Employees	2009	0.08	0.238
Wyoming Public Employees	2010	0.08	0.135
Wyoming Public Employees	2011	0.08	-0.012
Wyoming Public Employees	2012	0.08	0.137
Wyoming Public Employees	2013	0.0775	0.132

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Wyoming Public Employees	2014	0.0775	0.047
Wyoming Public Employees	2015	0.0775	-0.003
Wyoming Public Employees	2016	0.0775	0.076
Wyoming Public Employees	2017	0.07	-0.142
Wyoming Public Employees	2018	0.07	-0.0352
Wyoming Public Employees	2019	0.07	0.1872
Arizona State Corrections Officers	2001	0.09	-0.1707
Arizona State Corrections Officers	2002	0.09	-0.1473
Arizona State Corrections Officers	2003	0.09	0.0615
Arizona State Corrections Officers	2004	0.0875	0.1477
Arizona State Corrections Officers	2005	0.085	0.0923
Arizona State Corrections Officers	2006	0.085	0.0817
Arizona State Corrections Officers	2007	0.085	0.1677
Arizona State Corrections Officers	2008	0.085	-0.0705
Arizona State Corrections Officers	2009	0.085	-0.1799
Arizona State Corrections Officers	2010	0.085	0.1347
Arizona State Corrections Officers	2011	0.0825	0.1737
Arizona State Corrections Officers	2012	0.08	-0.0079
Arizona State Corrections Officers	2013	0.0785	0.1064
Arizona State Corrections Officers	2014	0.0785	0.1328
Arizona State Corrections Officers	2015	0.0785	0.0368
Arizona State Corrections Officers	2016	0.075	0.0063
Arizona State Corrections Officers	2017	0.074	0.1185
Arizona State Corrections Officers	2018	0.074	0.0707
Arizona State Corrections Officers	2019	0.073	0.0545
Connecticut Municipal	2001		-0.0368
Connecticut Municipal	2002		-0.0639
Connecticut Municipal	2003		0.0249
Connecticut Municipal	2004		0.1428
Connecticut Municipal	2005		0.101
Connecticut Municipal	2006	0.085	0.0987
Connecticut Municipal	2007	0.085	0.1696
Connecticut Municipal	2008	0.0825	-0.0411
Connecticut Municipal	2009	0.0825	-0.149
Connecticut Municipal	2010	0.0825	0.1257
Connecticut Municipal	2011	0.0825	0.1787
Connecticut Municipal	2012	0.08	0.0047
Connecticut Municipal	2013	0.08	0.096
Connecticut Municipal	2014	0.08	0.1358
Connecticut Municipal	2015	0.08	0.0257
Connecticut Municipal	2016	0.08	0.0115
Connecticut Municipal	2017	0.08	0.1305
Connecticut Municipal	2018	0.07	0.0614
Connecticut Municipal	2019	0.06	0.06
Iowa Municipal Fire and Police	2001	0.075	-0.0526
Iowa Municipal Fire and Police	2002	0.075	-0.0264
Iowa Municipal Fire and Police	2003	0.075	0.044
Iowa Municipal Fire and Police	2004	0.075	0.186
Iowa Municipal Fire and Police	2005	0.075	0.123
Iowa Municipal Fire and Police	2006	0.075	0.137
Iowa Municipal Fire and Police	2007	0.075	0.189
Iowa Municipal Fire and Police	2008	0.075	-0.021
Iowa Municipal Fire and Police	2009	0.075	-0.218
Iowa Municipal Fire and Police	2010	0.075	0.107
Iowa Municipal Fire and Police	2011	0.075	0.231
Iowa Municipal Fire and Police	2012	0.075	0.0033
Iowa Municipal Fire and Police	2013	0.075	0.1284
Iowa Municipal Fire and Police	2014	0.075	0.182
Iowa Municipal Fire and Police	2015	0.075	0.031
Iowa Municipal Fire and Police	2016	0.075	0.0022
Iowa Municipal Fire and Police	2017	0.075	0.118
Iowa Municipal Fire and Police	2018	0.075	0.076
Iowa Municipal Fire and Police	2019	0.075	0.0532
Louisiana Municipal Police	2001		
Louisiana Municipal Police	2002		
Louisiana Municipal Police	2003		0.0384
Louisiana Municipal Police	2004	0.07	0.1287
Louisiana Municipal Police	2005	0.075	0.0934
Louisiana Municipal Police	2006	0.075	0.0872
Louisiana Municipal Police	2007	0.075	0.1646
Louisiana Municipal Police	2008	0.075	-0.0763
Louisiana Municipal Police	2009	0.075	-0.2424
Louisiana Municipal Police	2010	0.075	0.1237
Louisiana Municipal Police	2011	0.075	0.235
Louisiana Municipal Police	2012	0.075	-0.021
Louisiana Municipal Police	2013	0.075	0.1081
Louisiana Municipal Police	2014	0.075	0.179
Louisiana Municipal Police	2015	0.075	0.011
Louisiana Municipal Police	2016	0.075	-0.028
Louisiana Municipal Police	2017	0.07325	0.133
Louisiana Municipal Police	2018	0.07325	0.067
Louisiana Municipal Police	2019	0.072	0.0348
Louisiana Schools	2001		-0.01873
Louisiana Schools	2002		-0.02372
Louisiana Schools	2003	0.075	0.03753
Louisiana Schools	2004	0.075	0.12065
Louisiana Schools	2005	0.075	0.08191
Louisiana Schools	2006	0.075	0.0974
Louisiana Schools	2007	0.075	0.1552
Louisiana Schools	2008	0.075	-0.0483
Louisiana Schools	2009	0.075	-0.1654
Louisiana Schools	2010	0.075	0.1329
Louisiana Schools	2011	0.075	0.2395
Louisiana Schools	2012	0.075	0.0246
Louisiana Schools	2013	0.075	0.1411
Louisiana Schools	2014	0.075	0.1716
Louisiana Schools	2015	0.07	0.0313
Louisiana Schools	2016	0.07125	-0.0019
Louisiana Schools	2017	0.07125	0.1437
Louisiana Schools	2018	0.07063	0.0662
Louisiana Schools	2019	0.07	0.0517
Louisiana Parochial Employees	2001		-0.0048
Louisiana Parochial Employees	2002		-0.0058
Louisiana Parochial Employees	2003		-0.02373
Louisiana Parochial Employees	2004		0.1033
Louisiana Parochial Employees	2005		0.06492
Louisiana Parochial Employees	2006		0.13121
Louisiana Parochial Employees	2007	0.075	0.07885
Louisiana Parochial Employees	2008	0.075	-0.255
Louisiana Parochial Employees	2009	0.075	0.21755
Louisiana Parochial Employees	2010	0.075	0.15236

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Louisiana Parochial Employees	2011	0.075	-0.0065
Louisiana Parochial Employees	2012	0.075	0.15614
Louisiana Parochial Employees	2013	0.0725	0.18158
Louisiana Parochial Employees	2014	0.0725	0.04194
Louisiana Parochial Employees	2015	0.07	-0.00576
Louisiana Parochial Employees	2016	0.07	0.0765
Louisiana Parochial Employees	2017	0.0675	-0.173
Louisiana Parochial Employees	2018	0.065	-0.0567
Louisiana Parochial Employees	2019	0.065	-0.177
Minnesota Police and Fire	2001	0.085	-0.071
Minnesota Police and Fire	2002	0.085	-0.08
Minnesota Police and Fire	2003	0.085	0.024
Minnesota Police and Fire	2004	0.085	0.165
Minnesota Police and Fire	2005	0.085	0.107
Minnesota Police and Fire	2006	0.085	0.123
Minnesota Police and Fire	2007	0.085	0.183
Minnesota Police and Fire	2008	0.085	-0.05
Minnesota Police and Fire	2009	0.085	-0.188
Minnesota Police and Fire	2010	0.085	0.152
Minnesota Police and Fire	2011	0.085	0.233
Minnesota Police and Fire	2012	0.08	0.024
Minnesota Police and Fire	2013	0.08	0.142
Minnesota Police and Fire	2014	0.08	0.186
Minnesota Police and Fire	2015	0.08	0.044
Minnesota Police and Fire	2016	0.08	-0.001
Minnesota Police and Fire	2017	0.08	0.151
Minnesota Police and Fire	2018	0.075	0.103
Minnesota Police and Fire	2019	0.075	0.073
Oklahoma Police	2001	0.075	-0.053
Oklahoma Police	2002	0.075	-0.051
Oklahoma Police	2003	0.075	0.031
Oklahoma Police	2004	0.075	0.151
Oklahoma Police	2005	0.075	0.088
Oklahoma Police	2006	0.075	0.109
Oklahoma Police	2007	0.075	0.175
Oklahoma Police	2008	0.075	-0.0277
Oklahoma Police	2009	0.075	-0.1652
Oklahoma Police	2010	0.075	0.114
Oklahoma Police	2011	0.075	0.1852
Oklahoma Police	2012	0.075	0.0048
Oklahoma Police	2013	0.075	0.1234
Oklahoma Police	2014	0.075	0.1499
Oklahoma Police	2015	0.075	0.0338
Oklahoma Police	2016	0.075	-0.0061
Oklahoma Police	2017	0.075	0.1114
Oklahoma Police	2018	0.075	0.0834
Oklahoma Police	2019	0.075	0.0424
Utah Public Safety	2001	0.08	-0.05
Utah Public Safety	2002	0.08	-0.075
Utah Public Safety	2003	0.08	0.26
Utah Public Safety	2004	0.08	0.132
Utah Public Safety	2005	0.08	0.0896
Utah Public Safety	2006	0.08	0.1477
Utah Public Safety	2007	0.0775	0.0715
Utah Public Safety	2008	0.0775	-0.223
Utah Public Safety	2009	0.0775	0.1288
Utah Public Safety	2010	0.075	0.1373
Utah Public Safety	2011	0.075	0.0289
Utah Public Safety	2012	0.075	0.131
Utah Public Safety	2013	0.075	0.1489
Utah Public Safety	2014	0.075	0.0752
Utah Public Safety	2015	0.072	0.0192
Utah Public Safety	2016	0.072	0.0879
Utah Public Safety	2017	0.0695	0.1357
Utah Public Safety	2018	0.0695	-0.0022
Utah Public Safety	2019	0.0695	0.1445
Pennsylvania Municipal	2001	0.065	-0.039
Pennsylvania Municipal	2002	0.065	-0.089
Pennsylvania Municipal	2003	0.065	0.237
Pennsylvania Municipal	2004	0.065	0.131
Pennsylvania Municipal	2005	0.06	0.086
Pennsylvania Municipal	2006	0.06	0.126
Pennsylvania Municipal	2007	0.06	0.082
Pennsylvania Municipal	2008	0.06	-0.248
Pennsylvania Municipal	2009	0.06	0.188
Pennsylvania Municipal	2010	0.06	0.138
Pennsylvania Municipal	2011	0.06	-0.019
Pennsylvania Municipal	2012	0.055	0.132
Pennsylvania Municipal	2013	0.055	0.194
Pennsylvania Municipal	2014	0.055	0.057
Pennsylvania Municipal	2015	0.055	0.001
Pennsylvania Municipal	2016	0.055	0.087
Pennsylvania Municipal	2017	0.0525	0.184
Pennsylvania Municipal	2018	0.0525	-0.041
Pennsylvania Municipal	2019		
Alameda County ERS	2001		-0.031
Alameda County ERS	2002		-0.068
Alameda County ERS	2003	0.08	0.267
Alameda County ERS	2004	0.078	0.123
Alameda County ERS	2005	0.079	0.088
Alameda County ERS	2006	0.08	0.144
Alameda County ERS	2007	0.08	0.088
Alameda County ERS	2008	0.08	-0.303
Alameda County ERS	2009	0.079	0.266
Alameda County ERS	2010	0.079	0.146
Alameda County ERS	2011	0.078	-0.004
Alameda County ERS	2012	0.078	0.15
Alameda County ERS	2013	0.078	0.202
Alameda County ERS	2014	0.076	0.0466
Alameda County ERS	2015	0.076	0.0037
Alameda County ERS	2016	0.076	0.0744
Alameda County ERS	2017	0.076	-0.195
Alameda County ERS	2018	0.0725	-0.0405
Alameda County ERS	2019	0.0725	0.1869
Kern County ERS	2001	0.08	-0.0543
Kern County ERS	2002	0.08	-0.0597
Kern County ERS	2003	0.08	0.0658
Kern County ERS	2004	0.08	0.1673
Kern County ERS	2005	0.08	0.1109
Kern County ERS	2006	0.08	0.1169
Kern County ERS	2007	0.08	0.184

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Kern County ERS	2008	0.0775	-0.065
Kern County ERS	2009	0.0775	-0.2187
Kern County ERS	2010	0.0775	0.133
Kern County ERS	2011	0.0775	0.192
Kern County ERS	2012	0.0775	0.01
Kern County ERS	2013	0.0775	0.104
Kern County ERS	2014	0.075	0.15
Kern County ERS	2015	0.075	0.023
Kern County ERS	2016	0.075	-0.0076
Kern County ERS	2017	0.0725	0.12
Kern County ERS	2018	0.0725	0.068
Kern County ERS	2019	0.0725	0.056
Los Angeles ERS	2001	0.08	-0.042
Los Angeles ERS	2002	0.08	-0.048
Los Angeles ERS	2003	0.08	0.045
Los Angeles ERS	2004	0.08	0.186
Los Angeles ERS	2005	0.08	0.1
Los Angeles ERS	2006	0.08	0.124
Los Angeles ERS	2007	0.08	0.195
Los Angeles ERS	2008	0.08	-0.057
Los Angeles ERS	2009	0.08	-0.196
Los Angeles ERS	2010	0.08	0.129
Los Angeles ERS	2011	0.0775	0.226
Los Angeles ERS	2012	0.0775	0.011
Los Angeles ERS	2013	0.0775	0.143
Los Angeles ERS	2014	0.075	0.184
Los Angeles ERS	2015	0.075	0.026
Los Angeles ERS	2016	0.075	0.003
Los Angeles ERS	2017	0.0725	0.131
Los Angeles ERS	2018	0.0725	0.092
Los Angeles ERS	2019	0.0725	0.0615
Los Angeles Fire and Police	2001	0.085	-0.1
Los Angeles Fire and Police	2002	0.085	-0.0797
Los Angeles Fire and Police	2003	0.085	0.0547
Los Angeles Fire and Police	2004	0.085	0.1692
Los Angeles Fire and Police	2005	0.085	0.1007
Los Angeles Fire and Police	2006	0.08	0.1248
Los Angeles Fire and Police	2007	0.08	0.185
Los Angeles Fire and Police	2008	0.08	-0.0458
Los Angeles Fire and Police	2009	0.08	-0.1997
Los Angeles Fire and Police	2010	0.0775	0.1391
Los Angeles Fire and Police	2011	0.0775	0.2209
Los Angeles Fire and Police	2012	0.0775	0.0189
Los Angeles Fire and Police	2013	0.0775	0.1301
Los Angeles Fire and Police	2014	0.075	0.1784
Los Angeles Fire and Police	2015	0.075	0.0401
Los Angeles Fire and Police	2016	0.075	0.0091
Los Angeles Fire and Police	2017	0.075	0.1313
Los Angeles Fire and Police	2018	0.075	0.0921
Los Angeles Fire and Police	2019	0.0725	0.0621
Los Angeles Water and Power	2001	0.08	0.0852
Los Angeles Water and Power	2002	0.08	-0.0416
Los Angeles Water and Power	2003	0.08	0.0193
Los Angeles Water and Power	2004	0.08	0.1122
Los Angeles Water and Power	2005	0.08	0.0716
Los Angeles Water and Power	2006	0.08	0.0845
Los Angeles Water and Power	2007	0.08	0.1658
Los Angeles Water and Power	2008	0.08	-0.0443
Los Angeles Water and Power	2009	0.08	-0.1553
Los Angeles Water and Power	2010	0.0775	0.1196
Los Angeles Water and Power	2011	0.0775	0.1918
Los Angeles Water and Power	2012	0.0775	0.0007
Los Angeles Water and Power	2013	0.0775	0.1248
Los Angeles Water and Power	2014	0.075	0.1693
Los Angeles Water and Power	2015	0.075	0.043
Los Angeles Water and Power	2016	0.0725	0.0082
Los Angeles Water and Power	2017	0.0725	0.1273
Los Angeles Water and Power	2018	0.0725	0.0884
Los Angeles Water and Power	2019	0.07	0.0647
Orange County ERS	2001	0.08	-0.0322
Orange County ERS	2002	0.075	-0.0546
Orange County ERS	2003	0.075	0.1984
Orange County ERS	2004	0.075	0.114
Orange County ERS	2005	0.0775	0.0883
Orange County ERS	2006	0.0775	0.1355
Orange County ERS	2007	0.0775	0.1075
Orange County ERS	2008	0.0775	-0.2071
Orange County ERS	2009	0.0775	0.1852
Orange County ERS	2010	0.0775	0.117
Orange County ERS	2011	0.0775	0.0074
Orange County ERS	2012	0.0725	0.1226
Orange County ERS	2013	0.0725	0.1114
Orange County ERS	2014	0.0725	0.0493
Orange County ERS	2015	0.0725	0.0009
Orange County ERS	2016	0.0725	0.0852
Orange County ERS	2017	0.07	0.1451
Orange County ERS	2018	0.07	-0.0167
Orange County ERS	2019	0.07	0.1441
Sacramento County ERS	2001	0.08	-0.049
Sacramento County ERS	2002	0.08	-0.052
Sacramento County ERS	2003	0.08	0.037
Sacramento County ERS	2004	0.08	0.162
Sacramento County ERS	2005	0.0775	0.101
Sacramento County ERS	2006	0.0775	0.121
Sacramento County ERS	2007	0.07875	0.18
Sacramento County ERS	2008	0.07875	-0.045
Sacramento County ERS	2009	0.07875	-0.218
Sacramento County ERS	2010	0.0775	0.139
Sacramento County ERS	2011	0.0775	0.227
Sacramento County ERS	2012	0.075	0.005
Sacramento County ERS	2013	0.075	0.128
Sacramento County ERS	2014	0.075	0.161
Sacramento County ERS	2015	0.075	0.022
Sacramento County ERS	2016	0.075	-0.009
Sacramento County ERS	2017	0.075	0.134
Sacramento County ERS	2018	0.07	0.099
Sacramento County ERS	2019	0.07	0.069
San Diego City ERS	2001	0.08	-0.0045
San Diego City ERS	2002	0.08	-0.0248
San Diego City ERS	2003	0.08	0.0544
San Diego City ERS	2004	0.08	0.2021

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San Diego City ERS	2005	0.08	0.108
San Diego City ERS	2006	0.08	0.1273
San Diego City ERS	2007	0.08	0.165
San Diego City ERS	2008	0.0775	-0.0466
San Diego City ERS	2009	0.0775	-0.192
San Diego City ERS	2010	0.0775	0.134
San Diego City ERS	2011	0.075	0.242
San Diego City ERS	2012	0.075	0.009
San Diego City ERS	2013	0.0725	0.136
San Diego City ERS	2014	0.0725	0.168
San Diego City ERS	2015	0.0725	0.033
San Diego City ERS	2016	0.07	0.011
San Diego City ERS	2017	0.0675	0.135
San Diego City ERS	2018	0.065	0.082
San Diego City ERS	2019	0.065	0.07
Chicago Municipal	2001	0.08	-0.023
Chicago Municipal	2002	0.08	-0.093
Chicago Municipal	2003	0.08	0.199
Chicago Municipal	2004	0.08	0.106
Chicago Municipal	2005	0.08	0.069
Chicago Municipal	2006	0.08	0.127
Chicago Municipal	2007	0.08	0.073
Chicago Municipal	2008	0.08	-0.282
Chicago Municipal	2009	0.08	0.194
Chicago Municipal	2010	0.08	0.142
Chicago Municipal	2011	0.08	0
Chicago Municipal	2012	0.08	0.129
Chicago Municipal	2013	0.075	0.161
Chicago Municipal	2014	0.075	0.051
Chicago Municipal	2015	0.075	0.018
Chicago Municipal	2016	0.075	0.063
Chicago Municipal	2017	0.07	0.151
Chicago Municipal	2018	0.07	-0.057
Chicago Municipal	2019	0.07	0.166
Chicago Police	2001		
Chicago Police	2002		
Chicago Police	2003	0.08	0.21
Chicago Police	2004	0.08	0.108
Chicago Police	2005	0.08	0.073
Chicago Police	2006	0.08	0.121
Chicago Police	2007	0.08	0.088
Chicago Police	2008	0.08	-0.278
Chicago Police	2009	0.08	0.215
Chicago Police	2010	0.08	0.127
Chicago Police	2011	0.08	0.008
Chicago Police	2012	0.08	0.124
Chicago Police	2013	0.0775	0.145
Chicago Police	2014	0.075	0.062
Chicago Police	2015	0.075	-0.004
Chicago Police	2016	0.0725	0.067
Chicago Police	2017	0.0725	0.1715
Chicago Police	2018	0.0725	-0.0524
Chicago Police	2019	0.0675	0.1631
Cook County ERS	2001	0.08	-0.00605
Cook County ERS	2002	0.08	-0.066
Cook County ERS	2003	0.08	0.188
Cook County ERS	2004	0.075	0.093
Cook County ERS	2005	0.075	0.048
Cook County ERS	2006	0.075	0.114
Cook County ERS	2007	0.075	0.063
Cook County ERS	2008	0.075	-0.245
Cook County ERS	2009	0.075	0.18
Cook County ERS	2010	0.075	0.124
Cook County ERS	2011	0.075	0.012
Cook County ERS	2012	0.075	0.125
Cook County ERS	2013	0.075	0.151
Cook County ERS	2014	0.075	0.059
Cook County ERS	2015	0.075	-0.001
Cook County ERS	2016	0.075	0.077
Cook County ERS	2017	0.0725	0.1535
Cook County ERS	2018	0.0725	-0.0379
Cook County ERS	2019	0.0725	0.1907
Boston RS	2001		
Boston RS	2002		
Boston RS	2003		
Boston RS	2004		
Boston RS	2005	0.08	
Boston RS	2006		
Boston RS	2007		
Boston RS	2008		
Boston RS	2009	0.08	
Boston RS	2010	0.07875	0.135
Boston RS	2011	0.0775	0.009
Boston RS	2012	0.0775	0.128
Boston RS	2013	0.0775	0.15
Boston RS	2014	0.0775	0.0572
Boston RS	2015	0.0775	0.0015
Boston RS	2016	0.0775	0.0715
Boston RS	2017	0.0775	0.177
Boston RS	2018	0.0775	-0.043
Boston RS	2019	0.0775	0.1673
New York City Fire	2001		-0.07403
New York City Fire	2002		-0.11225
New York City Fire	2003		0.06464
New York City Fire	2004		0.1693
New York City Fire	2005		0.1088
New York City Fire	2006		0.1035
New York City Fire	2007	0.08	0.1829
New York City Fire	2008	0.08	-0.04549
New York City Fire	2009	0.08	-0.1878
New York City Fire	2010	0.07	0.147
New York City Fire	2011	0.07	0.2315
New York City Fire	2012	0.07	0.011
New York City Fire	2013	0.08	0.119
New York City Fire	2014	0.07	0.1739
New York City Fire	2015	0.07	0.0355
New York City Fire	2016	0.07	0.0141
New York City Fire	2017	0.07	0.1282
New York City Fire	2018	0.07	0.093
New York City Fire	2019	0.07	0.0711
New York City Police	2001	0.08	-0.08377

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New York City Police	2002	0.08	-0.0787
New York City Police	2003	0.08	0.03
New York City Police	2004	0.08	0.1704
New York City Police	2005	0.08	0.1028
New York City Police	2006	0.08	0.1065
New York City Police	2007	0.08	0.1888
New York City Police	2008	0.08	-0.0483
New York City Police	2009	0.08	-0.1863
New York City Police	2010	0.08	0.1374
New York City Police	2011	0.07	0.2326
New York City Police	2012	0.07	0.0087
New York City Police	2013	0.07	0.1228
New York City Police	2014	0.07	0.1774
New York City Police	2015	0.07	0.0409
New York City Police	2016	0.07	0.0144
New York City Police	2017	0.07	0.1342
New York City Police	2018	0.07	0.0962
New York City Police	2019	0.07	-0.076
Milwaukee City ERS	2001	0.085	-0.017
Milwaukee City ERS	2002	0.085	-0.092
Milwaukee City ERS	2003	0.085	0.277
Milwaukee City ERS	2004	0.085	0.129
Milwaukee City ERS	2005	0.085	0.087
Milwaukee City ERS	2006	0.085	0.154
Milwaukee City ERS	2007	0.085	0.075
Milwaukee City ERS	2008	0.085	-0.307
Milwaukee City ERS	2009	0.085	0.236
Milwaukee City ERS	2010	0.085	0.142
Milwaukee City ERS	2011	0.085	-0.011
Milwaukee City ERS	2012	0.085	0.142
Milwaukee City ERS	2013	0.085	0.196
Milwaukee City ERS	2014	0.0825	0.054
Milwaukee City ERS	2015	0.0825	0.005
Milwaukee City ERS	2016	0.0825	0.088
Milwaukee City ERS	2017	0.08	0.164
Milwaukee City ERS	2018	0.075	-0.029
Milwaukee City ERS	2019	0.075	0.184
Philadelphia Municipal	2001	0.09	-0.06
Philadelphia Municipal	2002	0.09	-0.058
Philadelphia Municipal	2003	0.09	0.018
Philadelphia Municipal	2004	0.09	0.166
Philadelphia Municipal	2005	0.0875	0.099
Philadelphia Municipal	2006	0.0875	0.113
Philadelphia Municipal	2007	0.0875	0.17
Philadelphia Municipal	2008	0.0875	-0.045
Philadelphia Municipal	2009	0.0825	-0.199
Philadelphia Municipal	2010	0.0815	0.138
Philadelphia Municipal	2011	0.081	0.194
Philadelphia Municipal	2012	0.0795	0.002
Philadelphia Municipal	2013	0.0785	0.109
Philadelphia Municipal	2014	0.0785	0.157
Philadelphia Municipal	2015	0.0775	0.0029
Philadelphia Municipal	2016	0.077	-0.032
Philadelphia Municipal	2017	0.0765	0.1368
Philadelphia Municipal	2018	0.076	0.0883
Philadelphia Municipal	2019	0.0755	0.0648
Dallas Police and Fire	2001	0.085	-0.0674
Dallas Police and Fire	2002	0.085	-0.1194
Dallas Police and Fire	2003	0.085	0.314
Dallas Police and Fire	2004	0.085	0.1477
Dallas Police and Fire	2005	0.085	0.103
Dallas Police and Fire	2006	0.085	0.168
Dallas Police and Fire	2007	0.085	0.103
Dallas Police and Fire	2008	0.085	-0.24
Dallas Police and Fire	2009	0.085	0.157
Dallas Police and Fire	2010	0.085	0.114
Dallas Police and Fire	2011	0.085	0.003
Dallas Police and Fire	2012	0.085	0.114
Dallas Police and Fire	2013	0.085	0.044
Dallas Police and Fire	2014	0.0725	0.04
Dallas Police and Fire	2015	0.0725	-0.126
Dallas Police and Fire	2016	0.0725	0.032
Dallas Police and Fire	2017	0.0725	0.051
Dallas Police and Fire	2018	0.0725	-0.015
Dallas Police and Fire	2019		
Detroit Police and Fire	2001	0.078	-0.11359
Detroit Police and Fire	2002	0.078	-0.08555
Detroit Police and Fire	2003	0.078	0.02715
Detroit Police and Fire	2004	0.078	0.14886
Detroit Police and Fire	2005	0.078	0.082
Detroit Police and Fire	2006	0.078	0.101
Detroit Police and Fire	2007	0.078	0.174
Detroit Police and Fire	2008	0.075	-0.063
Detroit Police and Fire	2009	0.075	-0.148
Detroit Police and Fire	2010	0.08	-0.169
Detroit Police and Fire	2011	0.08	0.1392
Detroit Police and Fire	2012	0.08	-0.0147
Detroit Police and Fire	2013	0.08	0.0974
Detroit Police and Fire	2014	0.0675	0.184
Detroit Police and Fire	2015	0.0675	0.034
Detroit Police and Fire	2016	0.0675	0.025
Detroit Police and Fire	2017	0.0675	0.12
Detroit Police and Fire	2018	0.0675	0.082
Detroit Police and Fire	2019	0.0675	0.051
Baltimore Fire and Police	2001	0.0825	-0.063
Baltimore Fire and Police	2002	0.0825	-0.086
Baltimore Fire and Police	2003	0.0825	0.008
Baltimore Fire and Police	2004	0.0825	0.162
Baltimore Fire and Police	2005	0.0825	0.121
Baltimore Fire and Police	2006	0.0825	0.12
Baltimore Fire and Police	2007	0.0825	0.198
Baltimore Fire and Police	2008	0.0825	-0.07
Baltimore Fire and Police	2009	0.0825	-0.219
Baltimore Fire and Police	2010	0.08	0.153
Baltimore Fire and Police	2011	0.08	0.256
Baltimore Fire and Police	2012	0.0775	0.008
Baltimore Fire and Police	2013	0.0775	0.132
Baltimore Fire and Police	2014	0.0775	0.165
Baltimore Fire and Police	2015	0.075	0.023
Baltimore Fire and Police	2016	0.075	0.006
Baltimore Fire and Police	2017	0.075	0.121

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Baltimore Fire and Police	2018	0.0725	0.085
Baltimore Fire and Police	2019	0.0725	0.057
Seattle ERS	2001	0.08	-0.06
Seattle ERS	2002	0.07875	
Seattle ERS	2003	0.0775	0.236
Seattle ERS	2004	0.0775	0.115
Seattle ERS	2005	0.0775	0.081
Seattle ERS	2006	0.0775	0.139
Seattle ERS	2007	0.0775	0.073
Seattle ERS	2008	0.0775	-0.268
Seattle ERS	2009	0.0775	0.108
Seattle ERS	2010	0.0775	0.132
Seattle ERS	2011	0.0775	0
Seattle ERS	2012	0.0775	0.14
Seattle ERS	2013	0.0775	0.155
Seattle ERS	2014	0.075	0.0567
Seattle ERS	2015	0.075	0.0026
Seattle ERS	2016	0.075	0.0862
Seattle ERS	2017	0.075	0.16
Seattle ERS	2018	0.0725	-0.0379
Seattle ERS	2019	0.0725	0.1729
Nashville-Davidson ERS	2001	0.08	
Nashville-Davidson ERS	2002	0.08	-0.07296
Nashville-Davidson ERS	2003	0.08	0.056
Nashville-Davidson ERS	2004	0.08	0.16567
Nashville-Davidson ERS	2005	0.08	0.08571
Nashville-Davidson ERS	2006	0.08	0.13332
Nashville-Davidson ERS	2007	0.08	0.18427
Nashville-Davidson ERS	2008	0.08	-0.03295
Nashville-Davidson ERS	2009	0.08	-0.21221
Nashville-Davidson ERS	2010	0.08	0.15012
Nashville-Davidson ERS	2011	0.08	0.2072
Nashville-Davidson ERS	2012	0.075	0.00857
Nashville-Davidson ERS	2013	0.075	0.13761
Nashville-Davidson ERS	2014	0.075	0.1783
Nashville-Davidson ERS	2015	0.075	0.0487
Nashville-Davidson ERS	2016	0.075	0.0064
Nashville-Davidson ERS	2017	0.0725	0.1287
Nashville-Davidson ERS	2018	0.0725	0.0679
Nashville-Davidson ERS	2019	0.0725	0.0614
Jacksonville ERS	2001		-0.02832
Jacksonville ERS	2002	0.084	-0.04935
Jacksonville ERS	2003	0.084	0.16387
Jacksonville ERS	2004		0.12422
Jacksonville ERS	2005		0.09368
Jacksonville ERS	2006		0.0838
Jacksonville ERS	2007	0.084	0.1438
Jacksonville ERS	2008		-0.1535
Jacksonville ERS	2009	0.08325	0.0033
Jacksonville ERS	2010		0.1154
Jacksonville ERS	2011		0.012
Jacksonville ERS	2012		0.1888
Jacksonville ERS	2013		0.1763
Jacksonville ERS	2014	0.075	0.1206
Jacksonville ERS	2015	0.075	-0.0167
Jacksonville ERS	2016	0.074	0.0993
Jacksonville ERS	2017	0.072	0.1521
Jacksonville ERS	2018	0.07	0.0787
Jacksonville ERS	2019	0.069	0.0136
Cincinnati ERS	2001	0.08	-0.044
Cincinnati ERS	2002	0.08	-0.119
Cincinnati ERS	2003	0.08	0.223
Cincinnati ERS	2004	0.08	0.102
Cincinnati ERS	2005	0.08	0.068
Cincinnati ERS	2006	0.08	0.132
Cincinnati ERS	2007	0.08	0.081
Cincinnati ERS	2008	0.08	-0.279
Cincinnati ERS	2009	0.08	0.205
Cincinnati ERS	2010	0.08	0.141
Cincinnati ERS	2011	0.08	0.011
Cincinnati ERS	2012	0.075	0.122
Cincinnati ERS	2013	0.075	0.125
Cincinnati ERS	2014	0.075	0.185
Cincinnati ERS	2015	0.075	0.029
Cincinnati ERS	2016	0.075	-0.0053
Cincinnati ERS	2017	0.075	0.1211
Cincinnati ERS	2018	0.075	0.0783
Cincinnati ERS	2019	0.075	0.0415
Atlanta ERS	2001	0.08	-0.0186
Atlanta ERS	2002	0.08	-0.0767
Atlanta ERS	2003	0.08	0.1512
Atlanta ERS	2004	0.08	0.1024
Atlanta ERS	2005	0.08	0.009
Atlanta ERS	2006	0.08	0.00061
Atlanta ERS	2007	0.08	0.0906
Atlanta ERS	2008	0.08	-0.1398
Atlanta ERS	2009	0.08	0.1762
Atlanta ERS	2010	0.08	0.1465
Atlanta ERS	2011	0.08	0.0102
Atlanta ERS	2012	0.08	0.138
Atlanta ERS	2013	0.075	0.1632
Atlanta ERS	2014	0.075	0.0836
Atlanta ERS	2015	0.075	-0.0026
Atlanta ERS	2016	0.075	0.0833
Atlanta ERS	2017	0.0725	0.1332
Atlanta ERS	2018	0.0725	0.1027
Atlanta ERS	2019	0.0725	0.0609
Omaha School	2001	0.08	-0.218
Omaha School	2002	0.08	-0.081
Omaha School	2003	0.08	0.236
Omaha School	2004	0.08	0.092
Omaha School	2005	0.08	0.192
Omaha School	2006	0.08	0.127
Omaha School	2007	0.08	0.193
Omaha School	2008	0.08	-0.135
Omaha School	2009	0.08	-0.004
Omaha School	2010	0.08	0.122
Omaha School	2011	0.08	0.041
Omaha School	2012	0.08	0.143
Omaha School	2013	0.08	0.11
Omaha School	2014	0.08	0.091

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Omaha School	2015	0.08	-0.054
Omaha School	2016	0.075	0.067
Omaha School	2017	0.075	0.062
Omaha School	2018	0.075	0.071
Omaha School	2019	0.075	0.0256
Baton Rouge City Parish RS	2001	0.08	-0.018
Baton Rouge City Parish RS	2002	0.08	-0.081
Baton Rouge City Parish RS	2003	0.08	0.24
Baton Rouge City Parish RS	2004	0.0775	0.118
Baton Rouge City Parish RS	2005	0.075	0.092
Baton Rouge City Parish RS	2006	0.075	0.152
Baton Rouge City Parish RS	2007	0.0775	0.043
Baton Rouge City Parish RS	2008	0.07625	-0.285
Baton Rouge City Parish RS	2009	0.075	0.254
Baton Rouge City Parish RS	2010	0.075	0.158
Baton Rouge City Parish RS	2011	0.075	-0.018
Baton Rouge City Parish RS	2012	0.075	0.139
Baton Rouge City Parish RS	2013	0.075	0.157
Baton Rouge City Parish RS	2014	0.0725	0.053
Baton Rouge City Parish RS	2015	0.0725	-0.005
Baton Rouge City Parish RS	2016	0.0725	0.086
Baton Rouge City Parish RS	2017	0.0725	0.167
Baton Rouge City Parish RS	2018	0.0725	-0.054
Baton Rouge City Parish RS	2019	0.07	0.174
Fairfax County ERS	2001	0.075	-0.002
Fairfax County ERS	2002	0.075	-0.039
Fairfax County ERS	2003	0.075	0.0588
Fairfax County ERS	2004	0.075	0.184
Fairfax County ERS	2005	0.075	0.136
Fairfax County ERS	2006	0.075	0.094
Fairfax County ERS	2007	0.075	0.152
Fairfax County ERS	2008	0.075	0.00833
Fairfax County ERS	2009	0.075	-0.233
Fairfax County ERS	2010	0.075	0.257
Fairfax County ERS	2011	0.075	0.241
Fairfax County ERS	2012	0.075	0.089
Fairfax County ERS	2013	0.075	0.081
Fairfax County ERS	2014	0.075	0.152
Fairfax County ERS	2015	0.075	0.008
Fairfax County ERS	2016	0.0725	0
Fairfax County ERS	2017	0.0725	0.075
Fairfax County ERS	2018	0.0725	0.073
Fairfax County ERS	2019	0.0725	0.063
Detroit General RS	2001	0.079	-0.04442
Detroit General RS	2002	0.079	-0.05942
Detroit General RS	2003	0.079	0.03529
Detroit General RS	2004	0.079	0.1493
Detroit General RS	2005	0.079	0.083
Detroit General RS	2006	0.079	0.113
Detroit General RS	2007	0.079	0.189
Detroit General RS	2008	0.079	-0.043
Detroit General RS	2009	0.079	-0.188
Detroit General RS	2010	0.079	0.08
Detroit General RS	2011	0.079	0.187
Detroit General RS	2012	0.079	-0.004
Detroit General RS	2013	0.079	0.117
Detroit General RS	2014	0.079	0.145
Detroit General RS	2015	0.0675	0.026
Detroit General RS	2016	0.0675	0.014
Detroit General RS	2017	0.0675	0.141
Detroit General RS	2018	0.0675	0.065
Detroit General RS	2019	0.0675	0.034
Montgomery County Maryland ERS	2001		
Montgomery County Maryland ERS	2002		
Montgomery County Maryland ERS	2003		0.04948
Montgomery County Maryland ERS	2004		0.16801
Montgomery County Maryland ERS	2005		0.10066
Montgomery County Maryland ERS	2006	0.08	0.0918
Montgomery County Maryland ERS	2007	0.08	0.1879
Montgomery County Maryland ERS	2008	0.08	-0.0226
Montgomery County Maryland ERS	2009	0.08	-0.1581
Montgomery County Maryland ERS	2010	0.075	0.1445
Montgomery County Maryland ERS	2011	0.075	0.2177
Montgomery County Maryland ERS	2012	0.075	0.053
Montgomery County Maryland ERS	2013	0.075	0.1085
Montgomery County Maryland ERS	2014	0.075	0.1766
Montgomery County Maryland ERS	2015	0.075	0.0282
Montgomery County Maryland ERS	2016	0.075	0.019
Montgomery County Maryland ERS	2017	0.075	0.121
Montgomery County Maryland ERS	2018	0.075	0.091
Montgomery County Maryland ERS	2019	0.075	0.087
Milwaukee County ERS	2001	0.09	-0.02082
Milwaukee County ERS	2002	0.09	-0.054
Milwaukee County ERS	2003	0.085	0.25
Milwaukee County ERS	2004	0.085	0.129
Milwaukee County ERS	2005	0.08	0.083
Milwaukee County ERS	2006	0.08	0.135
Milwaukee County ERS	2007	0.08	0.063
Milwaukee County ERS	2008	0.08	-0.221
Milwaukee County ERS	2009	0.08	0.204
Milwaukee County ERS	2010	0.08	0.121
Milwaukee County ERS	2011	0.08	0.002
Milwaukee County ERS	2012	0.08	0.11
Milwaukee County ERS	2013	0.08	0.152
Milwaukee County ERS	2014	0.08	0.055
Milwaukee County ERS	2015	0.08	0.024
Milwaukee County ERS	2016	0.08	0.069
Milwaukee County ERS	2017	0.0775	0.158
Milwaukee County ERS	2018	0.0775	-0.024
Milwaukee County ERS	2019	0.075	0.16
Miami Fire and Police	2001	0.0775	
Miami Fire and Police	2002	0.0775	
Miami Fire and Police	2003	0.0775	0.15614
Miami Fire and Police	2004	0.0775	0.12622
Miami Fire and Police	2005	0.0775	0.15263
Miami Fire and Police	2006	0.0775	0.08836
Miami Fire and Police	2007	0.0775	0.14287
Miami Fire and Police	2008	0.0775	-0.14439
Miami Fire and Police	2009	0.0775	-0.00153
Miami Fire and Police	2010	0.0775	0.099
Miami Fire and Police	2011	0.075	0.058

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Miami Fire and Police	2012	0.075	0.179
Miami Fire and Police	2013	0.075	0.125
Miami Fire and Police	2014	0.075	0.088
Miami Fire and Police	2015	0.0742	0.024
Miami Fire and Police	2016	0.0742	0.093
Miami Fire and Police	2017	0.0742	0.096
Miami Fire and Police	2018	0.0734	0.074
Miami Fire and Police	2019	0.0734	0.0539
Providence ERS	2001	0.085	
Providence ERS	2002	0.085	-0.029
Providence ERS	2003	0.085	0.019
Providence ERS	2004	0.085	0.235
Providence ERS	2005	0.085	0.083
Providence ERS	2006	0.085	0.12
Providence ERS	2007	0.085	0.189
Providence ERS	2008	0.085	-0.105
Providence ERS	2009	0.085	-0.154
Providence ERS	2010	0.085	0.136
Providence ERS	2011	0.0825	0.264
Providence ERS	2012	0.0825	0.002
Providence ERS	2013	0.0825	0.134
Providence ERS	2014	0.0825	0.175
Providence ERS	2015	0.08	0.0556
Providence ERS	2016	0.08	0.026
Providence ERS	2017	0.08	0.122
Providence ERS	2018	0.08	0.073
Providence ERS	2019	0.08	0.045
Hartford MERF	2001	0.08	-0.0201
Hartford MERF	2002	0.08	-0.03444
Hartford MERF	2003	0.08	0.04071
Hartford MERF	2004	0.08	0.14615
Hartford MERF	2005	0.08	0.09202
Hartford MERF	2006	0.08	0.08668
Hartford MERF	2007	0.08	0.15309
Hartford MERF	2008	0.08	-0.01435
Hartford MERF	2009	0.08	-0.14468
Hartford MERF	2010	0.08	0.10789
Hartford MERF	2011	0.08	0.17762
Hartford MERF	2012	0.08	0.02256
Hartford MERF	2013	0.0775	0.083
Hartford MERF	2014	0.0775	0.136
Hartford MERF	2015	0.0775	0.02
Hartford MERF	2016	0.075	0.0086
Hartford MERF	2017	0.075	0.1044
Hartford MERF	2018	0.07375	0.076
Hartford MERF	2019	0.0725	0.0649
Birmingham RRS	2001		
Birmingham RRS	2002		
Birmingham RRS	2003	0.075	
Birmingham RRS	2004	0.075	0.0863
Birmingham RRS	2005	0.075	0.11132
Birmingham RRS	2006	0.075	-0.00366
Birmingham RRS	2007	0.07	0.09796
Birmingham RRS	2008	0.07	-0.0358
Birmingham RRS	2009	0.07	-0.11106
Birmingham RRS	2010	0.07	0.12111
Birmingham RRS	2011	0.07	0.17991
Birmingham RRS	2012	0.07	0.03672
Birmingham RRS	2013	0.07	0.10926
Birmingham RRS	2014	0.07	0.16347
Birmingham RRS	2015	0.075	0.0468
Birmingham RRS	2016	0.075	0.0138
Birmingham RRS	2017	0.075	0.1179
Birmingham RRS	2018	0.075	0.0812
Birmingham RRS	2019	0.075	0.05121
Omaha Police and Fire	2001		
Omaha Police and Fire	2002	0.08	
Omaha Police and Fire	2003	0.08	
Omaha Police and Fire	2004	0.08	
Omaha Police and Fire	2005	0.08	
Omaha Police and Fire	2006	0.08	
Omaha Police and Fire	2007	0.08	
Omaha Police and Fire	2008	0.08	
Omaha Police and Fire	2009	0.08	0.15377
Omaha Police and Fire	2010	0.08	0.16232
Omaha Police and Fire	2011	0.08	-0.00191
Omaha Police and Fire	2012	0.08	0.162
Omaha Police and Fire	2013	0.08	0.1788
Omaha Police and Fire	2014	0.08	0.04939
Omaha Police and Fire	2015	0.08	0.00676
Omaha Police and Fire	2016	0.08	0.09064
Omaha Police and Fire	2017	0.0775	0.14959
Omaha Police and Fire	2018	0.0775	-0.02308
Omaha Police and Fire	2019	0.0775	0.17236
Atlanta Police	2001		0.006
Atlanta Police	2002	0.08	-0.055
Atlanta Police	2003	0.08	0.209
Atlanta Police	2004	0.08	0.108
Atlanta Police	2005	0.08	0.059
Atlanta Police	2006	0.0775	0.114
Atlanta Police	2007	0.0775	0.0667
Atlanta Police	2008	0.0775	-0.2079
Atlanta Police	2009	0.0775	0.1675
Atlanta Police	2010	0.0775	0.1476
Atlanta Police	2011	0.0775	0.0142
Atlanta Police	2012	0.0775	0.1264
Atlanta Police	2013	0.075	0.2247
Atlanta Police	2014	0.075	0.0527
Atlanta Police	2015	0.075	-0.0142
Atlanta Police	2016	0.075	0.0919
Atlanta Police	2017	0.075	0.1548
Atlanta Police	2018	0.0725	0.09659
Atlanta Police	2019	0.0725	0.05416
Colorado State and School	2001	0.0875	
Colorado State and School	2002	0.0875	
Colorado State and School	2003	0.085	
Colorado State and School	2004	0.085	
Kansas City Missouri ERS	2001	0.0775	-0.01759
Kansas City Missouri ERS	2002	0.0775	-0.006
Kansas City Missouri ERS	2003	0.0775	-0.052
Kansas City Missouri ERS	2004	0.0775	0.186

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Kansas City Missouri ERS	2005	0.0775	0.095
Kansas City Missouri ERS	2006	0.0775	0.182
Kansas City Missouri ERS	2007	0.0775	0.124
Kansas City Missouri ERS	2008	0.075	-0.027
Kansas City Missouri ERS	2009	0.075	-0.257
Kansas City Missouri ERS	2010	0.075	0.278
Kansas City Missouri ERS	2011	0.075	0.147
Kansas City Missouri ERS	2012	0.075	0.007
Kansas City Missouri ERS	2013	0.075	0.124
Kansas City Missouri ERS	2014	0.075	0.115
Kansas City Missouri ERS	2015	0.075	0.0836
Kansas City Missouri ERS	2016	0.075	-0.025
Kansas City Missouri ERS	2017	0.075	0.1046
Kansas City Missouri ERS	2018	0.075	0.0928
Kansas City Missouri ERS	2019	0.075	0.0415
Tucson Supplemental RS	2001	0.08	-0.081
Tucson Supplemental RS	2002	0.08	-0.081
Tucson Supplemental RS	2003	0.08	0.033
Tucson Supplemental RS	2004	0.0775	0.178
Tucson Supplemental RS	2005	0.0775	0.093
Tucson Supplemental RS	2006	0.0775	0.107
Tucson Supplemental RS	2007	0.0775	0.1719
Tucson Supplemental RS	2008	0.0775	-0.0463
Tucson Supplemental RS	2009	0.0775	-0.2096
Tucson Supplemental RS	2010	0.0775	0.116
Tucson Supplemental RS	2011	0.0775	0.2319
Tucson Supplemental RS	2012	0.0775	0.0239
Tucson Supplemental RS	2013	0.0775	0.1484
Tucson Supplemental RS	2014	0.0725	0.1964
Tucson Supplemental RS	2015	0.0725	0.046
Tucson Supplemental RS	2016	0.0725	0.0233
Tucson Supplemental RS	2017	0.0725	0.1477
Tucson Supplemental RS	2018	0.0725	0.099
Tucson Supplemental RS	2019	0.07	0.062
Lexington-Fayette County Police and Fire	2001		
Lexington-Fayette County Police and Fire	2002		
Lexington-Fayette County Police and Fire	2003		
Lexington-Fayette County Police and Fire	2004	0.08	
Lexington-Fayette County Police and Fire	2005	0.08	0.11101
Lexington-Fayette County Police and Fire	2006	0.08	0.07238
Lexington-Fayette County Police and Fire	2007	0.08	0.13104
Lexington-Fayette County Police and Fire	2008	0.08	-0.0085
Lexington-Fayette County Police and Fire	2009	0.08	-0.20241
Lexington-Fayette County Police and Fire	2010	0.08	0.08905
Lexington-Fayette County Police and Fire	2011	0.08	0.21287
Lexington-Fayette County Police and Fire	2012	0.075	0.0138
Lexington-Fayette County Police and Fire	2013	0.075	0.12647
Lexington-Fayette County Police and Fire	2014	0.075	0.0745
Lexington-Fayette County Police and Fire	2015	0.075	0.0308
Lexington-Fayette County Police and Fire	2016	0.075	-0.0023
Lexington-Fayette County Police and Fire	2017	0.075	0.062
Lexington-Fayette County Police and Fire	2018	0.075	0.1837
Lexington-Fayette County Police and Fire	2019	0.075	0.1109
Oklahoma City ERS	2001		-0.06483
Oklahoma City ERS	2002	0.08	-0.091
Oklahoma City ERS	2003	0.08	0.147
Oklahoma City ERS	2004	0.08	0.14361
Oklahoma City ERS	2005	0.08	0.086
Oklahoma City ERS	2006	0.08	0.079
Oklahoma City ERS	2007	0.08	0.154
Oklahoma City ERS	2008	0.08	-0.049
Oklahoma City ERS	2009	0.08	-0.159
Oklahoma City ERS	2010	0.08	0.119
Oklahoma City ERS	2011	0.08	0.194
Oklahoma City ERS	2012	0.075	0.024
Oklahoma City ERS	2013	0.075	0.127
Oklahoma City ERS	2014	0.075	0.17
Oklahoma City ERS	2015	0.074	0.043
Oklahoma City ERS	2016	0.074	0.003
Oklahoma City ERS	2017	0.071	0.081
Oklahoma City ERS	2018	0.071	0.084
Oklahoma City ERS	2019	0.07	0.055
Wichita ERS	2001	0.0775	-0.0442
Wichita ERS	2002		-0.116
Wichita ERS	2003		0.228
Wichita ERS	2004	0.0775	0.1
Wichita ERS	2005	0.0775	0.0896
Wichita ERS	2006	0.0775	0.1533
Wichita ERS	2007	0.0775	0.1106
Wichita ERS	2008	0.0775	-0.2805
Wichita ERS	2009	0.0775	0.2196
Wichita ERS	2010	0.0775	0.1364
Wichita ERS	2011	0.0775	0.0079
Wichita ERS	2012	0.0775	0.1378
Wichita ERS	2013	0.0775	0.2022
Wichita ERS	2014	0.0775	0.0559
Wichita ERS	2015	0.0775	0.0021
Wichita ERS	2016	0.079	0.073
Wichita ERS	2017	0.075	0.1776
Wichita ERS	2018	0.075	-0.0604
Wichita ERS	2019	0.075	0.1977
New Orleans ERS	2001		-0.03432
New Orleans ERS	2002		-0.06749
New Orleans ERS	2003	0.07	0.21301
New Orleans ERS	2004	0.075	0.10181
New Orleans ERS	2005	0.0775	0.04318
New Orleans ERS	2006	0.0775	0.11039
New Orleans ERS	2007	0.0775	0.0862
New Orleans ERS	2008	0.0775	-0.3018
New Orleans ERS	2009	0.0775	0.2313
New Orleans ERS	2010	0.0775	0.1411
New Orleans ERS	2011	0.075	-0.013
New Orleans ERS	2012	0.075	0.1156
New Orleans ERS	2013	0.075	0.1517
New Orleans ERS	2014	0.075	0.0417
New Orleans ERS	2015	0.075	-0.0369
New Orleans ERS	2016	0.075	0.0926
New Orleans ERS	2017	0.075	0.1553
New Orleans ERS	2018	0.075	-0.0432
New Orleans ERS	2019		
New Castle County Pension	2001	0.08	0.02111

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New Castle County Pension	2002	0.08	-0.014
New Castle County Pension	2003	0.08	0.01523
New Castle County Pension	2004	0.08	0.15154
New Castle County Pension	2005	0.08	0.10898
New Castle County Pension	2006	0.08	0.10795
New Castle County Pension	2007	0.08	0.17
New Castle County Pension	2008	0.08	-0.0664
New Castle County Pension	2009	0.07875	-0.2205
New Castle County Pension	2010	0.0775	0.1439
New Castle County Pension	2011	0.075	0.2121
New Castle County Pension	2012	0.075	-0.0198
New Castle County Pension	2013	0.075	0.117
New Castle County Pension	2014	0.075	0.1238
New Castle County Pension	2015	0.075	0.0364
New Castle County Pension	2016	0.0725	-0.0214
New Castle County Pension	2017	0.0725	0.1187
New Castle County Pension	2018	0.07	0.0885
New Castle County Pension	2019	0.07	0.0616
Charlotte Firefighters' RS	2001	0.0775	-0.0534
Charlotte Firefighters' RS	2002	0.0775	-0.0416
Charlotte Firefighters' RS	2003	0.0775	0.0407
Charlotte Firefighters' RS	2004	0.0775	0.1811
Charlotte Firefighters' RS	2005	0.0775	0.1054
Charlotte Firefighters' RS	2006	0.0775	0.1083
Charlotte Firefighters' RS	2007	0.0775	0.1871
Charlotte Firefighters' RS	2008	0.0775	-0.0449
Charlotte Firefighters' RS	2009	0.0775	-0.1923
Charlotte Firefighters' RS	2010	0.0775	0.109
Charlotte Firefighters' RS	2011	0.0775	0.2622
Charlotte Firefighters' RS	2012	0.0775	0.0114
Charlotte Firefighters' RS	2013	0.0775	0.1482
Charlotte Firefighters' RS	2014	0.0775	0.1873
Charlotte Firefighters' RS	2015	0.0775	0.0487
Charlotte Firefighters' RS	2016	0.075	0.0105
Charlotte Firefighters' RS	2017	0.075	0.1288
Charlotte Firefighters' RS	2018	0.075	0.0973
Charlotte Firefighters' RS	2019	0.075	0.0461
Pittsburgh Police	2001		
Pittsburgh Police	2002	0.0875	-0.11776
Pittsburgh Police	2003	0.0875	0.245
Pittsburgh Police	2004	0.0875	0.111
Pittsburgh Police	2005	0.0875	0.076
Pittsburgh Police	2006	0.0875	0.121
Pittsburgh Police	2007	0.08375	0.116
Pittsburgh Police	2008	0.08	-0.27
Pittsburgh Police	2009	0.08	0.233
Pittsburgh Police	2010	0.08	0.056
Pittsburgh Police	2011	0.0775	-0.025
Pittsburgh Police	2012	0.075	0.141
Pittsburgh Police	2013	0.075	0.176
Pittsburgh Police	2014	0.075	0.0648
Pittsburgh Police	2015	0.07375	0.0004
Pittsburgh Police	2016	0.0725	0.0843
Pittsburgh Police	2017	0.0725	0.1496
Pittsburgh Police	2018	0.0725	-0.0503
Pittsburgh Police	2019		0.1934
Anchorage Police and Fire	2001	0.08	-0.05175
Anchorage Police and Fire	2002	0.08	-0.08391
Anchorage Police and Fire	2003	0.08	0.22693
Anchorage Police and Fire	2004	0.08	0.11539
Anchorage Police and Fire	2005	0.08	0.06595
Anchorage Police and Fire	2006	0.08	0.13251
Anchorage Police and Fire	2007	0.08	0.05198
Anchorage Police and Fire	2008	0.08	-0.2712
Anchorage Police and Fire	2009	0.08	0.2036
Anchorage Police and Fire	2010	0.08	0.1458
Anchorage Police and Fire	2011	0.08	-0.0033
Anchorage Police and Fire	2012	0.08	0.1395
Anchorage Police and Fire	2013	0.079	0.1821
Anchorage Police and Fire	2014	0.08	0.0596
Anchorage Police and Fire	2015	0.077	0.0092
Anchorage Police and Fire	2016	0.077	0.0871
Anchorage Police and Fire	2017	0.066	0.1712
Anchorage Police and Fire	2018	0.066	-0.0501
Anchorage Police and Fire	2019		
Sioux Falls ERS	2001	0.08	-0.01084
Sioux Falls ERS	2002	0.08	-0.09849
Sioux Falls ERS	2003	0.08	0.26376
Sioux Falls ERS	2004	0.08	0.14293
Sioux Falls ERS	2005	0.08	0.08583
Sioux Falls ERS	2006	0.08	0.15541
Sioux Falls ERS	2007	0.08	0.08053
Sioux Falls ERS	2008	0.0775	-0.27586
Sioux Falls ERS	2009	0.0775	0.18361
Sioux Falls ERS	2010	0.0775	0.14075
Sioux Falls ERS	2011	0.0775	0.01923
Sioux Falls ERS	2012	0.0775	0.14833
Sioux Falls ERS	2013	0.0765	0.2016
Sioux Falls ERS	2014	0.0765	0.069
Sioux Falls ERS	2015	0.075	-0.002
Sioux Falls ERS	2016	0.075	0.0842
Sioux Falls ERS	2017	0.073	0.1668
Sioux Falls ERS	2018	0.073	-0.043
Sioux Falls ERS	2019	0.073	0.2011
Marion County Law Enforcement	2001	0.075	0.02923
Marion County Law Enforcement	2002	0.075	-0.11222
Marion County Law Enforcement	2003	0.075	0.19702
Marion County Law Enforcement	2004	0.075	0.08171
Marion County Law Enforcement	2005	0.075	0.06526
Marion County Law Enforcement	2006	0.075	-0.05009
Marion County Law Enforcement	2007	0.075	0.04349
Marion County Law Enforcement	2008	0.075	-0.0197
Marion County Law Enforcement	2009	0.075	-0.03905
Marion County Law Enforcement	2010	0.075	0.05202
Marion County Law Enforcement	2011	0.075	0.04911
Marion County Law Enforcement	2012		0.07939
Marion County Law Enforcement	2013		0.21387
Marion County Law Enforcement	2014		0.047
Marion County Law Enforcement	2015		-0.017
Marion County Law Enforcement	2016	0.0675	0.0622
Marion County Law Enforcement	2017	0.0675	0.1087

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Marion County Law Enforcement	2018	0.0675	-0.0481
Marion County Law Enforcement	2019		
Burlington ERS	2001	0.08	
Burlington ERS	2002	0.08	
Burlington ERS	2003	0.08	-0.00135
Burlington ERS	2004	0.08	0.13631
Burlington ERS	2005	0.08	0.07347
Burlington ERS	2006	0.08	0.08979
Burlington ERS	2007	0.08	0.16889
Burlington ERS	2008	0.08	-0.07691
Burlington ERS	2009	0.08	-0.195
Burlington ERS	2010	0.08	0.187
Burlington ERS	2011	0.08	0.207
Burlington ERS	2012	0.08	0.019
Burlington ERS	2013	0.08	0.082
Burlington ERS	2014	0.08	0.1362
Burlington ERS	2015	0.08	-0.0015
Burlington ERS	2016	0.08	-0.013
Burlington ERS	2017	0.08	0.1025
Burlington ERS	2018	0.075	0.098
Burlington ERS	2019	0.074	0.05111
Little Rock Firemen's Fund	2001	0.06	-0.03337
Little Rock Firemen's Fund	2002	0.06	-0.04772
Little Rock Firemen's Fund	2003	0.06	0.15489
Little Rock Firemen's Fund	2004	0.06	0.05408
Little Rock Firemen's Fund	2005	0.06	0.03974
Little Rock Firemen's Fund	2006	0.065	0.09565
Little Rock Firemen's Fund	2007	0.07	0.058
Little Rock Firemen's Fund	2008	0.07	-0.1626
Little Rock Firemen's Fund	2009	0.05	0.1445
Little Rock Firemen's Fund	2010	0.05	0.0981
Little Rock Firemen's Fund	2011	0.05	-0.0155
Little Rock Firemen's Fund	2012	0.05	0.1025
Little Rock Firemen's Fund	2013	0.05	0.1297
Little Rock Firemen's Fund	2014	0.05	0.0387
Little Rock Firemen's Fund	2015	0.05	-0.043
Little Rock Firemen's Fund	2016	0.05	0.0242
Little Rock Firemen's Fund	2017	0.05	0.1076
Little Rock Firemen's Fund	2018	0.05	0.01445
Little Rock Firemen's Fund	2019	0.05	
Charleston, WV Firemen's Pension	2001	0.06	
Charleston, WV Firemen's Pension	2002	0.06	
Charleston, WV Firemen's Pension	2003	0.06	
Charleston, WV Firemen's Pension	2004	0.06	
Charleston, WV Firemen's Pension	2005	0.06	0.02926
Charleston, WV Firemen's Pension	2006	0.06	0.04541
Charleston, WV Firemen's Pension	2007	0.06	0.1433
Charleston, WV Firemen's Pension	2008	0.07	-0.05706
Charleston, WV Firemen's Pension	2009	0.06	-0.1653
Charleston, WV Firemen's Pension	2010	0.05	0.12423
Charleston, WV Firemen's Pension	2011	0.05	0.1724
Charleston, WV Firemen's Pension	2012	0.05	0.02051
Charleston, WV Firemen's Pension	2013	0.05	0.11249
Charleston, WV Firemen's Pension	2014	0.05	0.1117
Charleston, WV Firemen's Pension	2015	0.045	0.0504
Charleston, WV Firemen's Pension	2016	0.045	0.0515
Charleston, WV Firemen's Pension	2017	0.045	0.1125
Charleston, WV Firemen's Pension	2018	0.045	0.0807
Charleston, WV Firemen's Pension	2019	0.045	0.0626
Manchester Employees' Contributory Retirement System	2001	0.075	-0.0582
Manchester Employees' Contributory Retirement System	2002	0.075	-0.107
Manchester Employees' Contributory Retirement System	2003	0.075	0.279
Manchester Employees' Contributory Retirement System	2004	0.075	0.111
Manchester Employees' Contributory Retirement System	2005	0.075	0.084
Manchester Employees' Contributory Retirement System	2006	0.075	0.141
Manchester Employees' Contributory Retirement System	2007	0.075	0.116
Manchester Employees' Contributory Retirement System	2008	0.075	-0.29
Manchester Employees' Contributory Retirement System	2009	0.075	0.201
Manchester Employees' Contributory Retirement System	2010	0.075	0.144
Manchester Employees' Contributory Retirement System	2011	0.075	-0.03
Manchester Employees' Contributory Retirement System	2012	0.0725	0.111
Manchester Employees' Contributory Retirement System	2013	0.0725	0.165
Manchester Employees' Contributory Retirement System	2014	0.0725	0.043
Manchester Employees' Contributory Retirement System	2015	0.0725	-0.02
Manchester Employees' Contributory Retirement System	2016	0.0725	0.071
Manchester Employees' Contributory Retirement System	2017	0.0725	0.162
Manchester Employees' Contributory Retirement System	2018	0.07	-0.05
Manchester Employees' Contributory Retirement System	2019	0.07	0.165
Knox County Teachers' DB Plan	2001	0.08	-0.03594
Knox County Teachers' DB Plan	2002	0.08	-0.04177
Knox County Teachers' DB Plan	2003	0.08	0.02715
Knox County Teachers' DB Plan	2004	0.08	0.14613
Knox County Teachers' DB Plan	2005	0.08	0.08335
Knox County Teachers' DB Plan	2006	0.075	0.11075
Knox County Teachers' DB Plan	2007	0.075	0.15373
Knox County Teachers' DB Plan	2008	0.075	-0.06135
Knox County Teachers' DB Plan	2009	0.075	-0.20936
Knox County Teachers' DB Plan	2010	0.075	0.15273
Knox County Teachers' DB Plan	2011	0.075	0.23978
Knox County Teachers' DB Plan	2012	0.075	0.00865
Knox County Teachers' DB Plan	2013	0.07	0.1195
Knox County Teachers' DB Plan	2014	0.07	0.16518
Knox County Teachers' DB Plan	2015	0.07	0.0262
Knox County Teachers' DB Plan	2016	0.07	-0.007
Knox County Teachers' DB Plan	2017	0.07	0.1224
Knox County Teachers' DB Plan	2018	0.07	0.0855
Knox County Teachers' DB Plan	2019	0.07	0.0493
Bismarck Employees' Pension Plan	2001	0.075	-0.01582
Bismarck Employees' Pension Plan	2002	0.075	-0.08499
Bismarck Employees' Pension Plan	2003	0.075	0.71749
Bismarck Employees' Pension Plan	2004	0.075	0.1044
Bismarck Employees' Pension Plan	2005	0.075	0.09734
Bismarck Employees' Pension Plan	2006	0.075	0.12471
Bismarck Employees' Pension Plan	2007	0.075	0.08319
Bismarck Employees' Pension Plan	2008	0.075	-0.21498
Bismarck Employees' Pension Plan	2009	0.075	0.12814
Bismarck Employees' Pension Plan	2010	0.075	0.10921
Bismarck Employees' Pension Plan	2011	0.075	0.02119
Bismarck Employees' Pension Plan	2012	0.075	0.12816
Bismarck Employees' Pension Plan	2013	0.075	0.13475
Bismarck Employees' Pension Plan	2014	0.075	0.064

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Bismarck Employees' Pension Plan	2015	0.075	0.011
Bismarck Employees' Pension Plan	2016	0.075	0.071
Bismarck Employees' Pension Plan	2017	0.075	0.15
Bismarck Employees' Pension Plan	2018	0.075	-0.03
Bismarck Employees' Pension Plan	2019	0.075	0.165
Des Moines Water Works	2001	0.075	0.333
Des Moines Water Works	2002	0.075	
Des Moines Water Works	2003	0.075	0.0741
Des Moines Water Works	2004	0.075	0.32278
Des Moines Water Works	2005	0.075	1.14793
Des Moines Water Works	2006	0.075	0.13298
Des Moines Water Works	2007	0.075	0.06353
Des Moines Water Works	2008	0.075	-0.31559
Des Moines Water Works	2009	0.075	0.18977
Des Moines Water Works	2010	0.075	0.13537
Des Moines Water Works	2011	0.0725	-0.00012
Des Moines Water Works	2012	0.065	0.1271
Des Moines Water Works	2013	0.065	0.14696
Des Moines Water Works	2014	0.065	0.0551
Des Moines Water Works	2015	0.065	-0.0127
Des Moines Water Works	2016	0.0625	0.07
Des Moines Water Works	2017	0.0625	0.144
Des Moines Water Works	2018	0.06	-0.0487
Des Moines Water Works	2019	0.06	0.1798
Greenville Fire Pension Plan	2001	0.07	
Greenville Fire Pension Plan	2002	0.07	
Greenville Fire Pension Plan	2003	0.07	0.03379
Greenville Fire Pension Plan	2004	0.07	0.07711
Greenville Fire Pension Plan	2005	0.07	0.07209
Greenville Fire Pension Plan	2006	0.07	0.04891
Greenville Fire Pension Plan	2007	0.07	0.12696
Greenville Fire Pension Plan	2008	0.07	-0.02081
Greenville Fire Pension Plan	2009	0.07	-0.13
Greenville Fire Pension Plan	2010	0.07	0.11
Greenville Fire Pension Plan	2011	0.07	0.1867
Greenville Fire Pension Plan	2012	0.07	0.026
Greenville Fire Pension Plan	2013	0.07	0.0994
Greenville Fire Pension Plan	2014	0.07	0.1382
Greenville Fire Pension Plan	2015	0.07	0.031
Greenville Fire Pension Plan	2016	0.07	0.011
Greenville Fire Pension Plan	2017	0.07	0.091
Greenville Fire Pension Plan	2018	0.07	0.084
Greenville Fire Pension Plan	2019	0.07	0.071
Delaware County and Municipal Employees	2001	0.085	-0.051
Delaware County and Municipal Employees	2002	0.085	-0.063
Delaware County and Municipal Employees	2003	0.085	0.031
Delaware County and Municipal Employees	2004	0.08	0.159
Delaware County and Municipal Employees	2005	0.08	0.096
Delaware County and Municipal Employees	2006	0.08	0.124
Delaware County and Municipal Employees	2007	0.08	0.159
Delaware County and Municipal Employees	2008	0.08	-0.013
Delaware County and Municipal Employees	2009	0.08	-0.158
Delaware County and Municipal Employees	2010	0.08	0.141
Delaware County and Municipal Employees	2011	0.075	0.243
Delaware County and Municipal Employees	2012	0.075	0.02
Delaware County and Municipal Employees	2013	0.075	0.111
Delaware County and Municipal Employees	2014	0.072	0.173
Delaware County and Municipal Employees	2015	0.072	0.036
Delaware County and Municipal Employees	2016	0.072	-0.015
Delaware County and Municipal Employees	2017	0.07	0.11
Delaware County and Municipal Employees	2018	0.07	0.104
Delaware County and Municipal Employees	2019	0.07	0.048
Pittsburgh Municipal	2001	0.09	
Pittsburgh Municipal	2002	0.09	-0.1061
Pittsburgh Municipal	2003	0.08875	0.245
Pittsburgh Municipal	2004	0.0875	0.111
Pittsburgh Municipal	2005	0.0875	0.076
Pittsburgh Municipal	2006	0.0875	0.121
Pittsburgh Municipal	2007	0.0875	0.116
Pittsburgh Municipal	2008	0.08	-0.27
Pittsburgh Municipal	2009	0.08	0.233
Pittsburgh Municipal	2010	0.08	0.056
Pittsburgh Municipal	2011	0.08	-0.025
Pittsburgh Municipal	2012	0.08	0.141
Pittsburgh Municipal	2013	0.075	0.176
Pittsburgh Municipal	2014	0.075	0.0648
Pittsburgh Municipal	2015	0.075	0.0004
Pittsburgh Municipal	2016	0.0725	0.0843
Pittsburgh Municipal	2017	0.0725	0.1496
Pittsburgh Municipal	2018	0.0725	-0.0503
Pittsburgh Municipal	2019		0.1934
Louisiana Municipal Employees	2001	0.08	0.04447
Louisiana Municipal Employees	2002	0.08	0.00973
Louisiana Municipal Employees	2003	0.08	-0.0113
Louisiana Municipal Employees	2004	0.08	0.03435
Louisiana Municipal Employees	2005	0.08	0.072
Louisiana Municipal Employees	2006	0.08	0.08584
Louisiana Municipal Employees	2007	0.08	0.17984
Louisiana Municipal Employees	2008	0.08	0.01134
Louisiana Municipal Employees	2009	0.08	-0.13783
Louisiana Municipal Employees	2010	0.08	0.10983
Louisiana Municipal Employees	2011	0.08	0.105
Louisiana Municipal Employees	2012	0.0775	-0.04782
Louisiana Municipal Employees	2013	0.0775	0.04265
Louisiana Municipal Employees	2014	0.0775	0.13
Louisiana Municipal Employees	2015	0.075	-0.02571
Louisiana Municipal Employees	2016	0.075	-0.02942
Louisiana Municipal Employees	2017	0.074	0.03837
Louisiana Municipal Employees	2018	0.07275	0.04666
Louisiana Municipal Employees	2019	0.07	0.09375
Oklahoma Municipal Employees	2001	0.075	-0.078
Oklahoma Municipal Employees	2002	0.075	-0.08688
Oklahoma Municipal Employees	2003	0.075	0.02752
Oklahoma Municipal Employees	2004	0.075	0.13256
Oklahoma Municipal Employees	2005	0.075	0.08866
Oklahoma Municipal Employees	2006	0.075	0.08207
Oklahoma Municipal Employees	2007	0.075	0.16589
Oklahoma Municipal Employees	2008	0.075	-0.06392
Oklahoma Municipal Employees	2009	0.075	-0.1824
Oklahoma Municipal Employees	2010	0.075	0.14513
Oklahoma Municipal Employees	2011	0.075	0.22731

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Oklahoma Municipal Employees	2012	0.075	0.02055
Oklahoma Municipal Employees	2013	0.075	0.15981
Oklahoma Municipal Employees	2014	0.075	0.1648
Oklahoma Municipal Employees	2015	0.075	0.0282
Oklahoma Municipal Employees	2016	0.075	0.0089
Oklahoma Municipal Employees	2017	0.0725	0.1236
Oklahoma Municipal Employees	2018	0.0725	0.0727
Oklahoma Municipal Employees	2019	0.0725	0.0687
Vermont Municipal Employees	2001	0.08	0.1099
Vermont Municipal Employees	2002	0.08	0.0707
Vermont Municipal Employees	2003	0.08	0.019
Vermont Municipal Employees	2004	0.08	0.148
Vermont Municipal Employees	2005	0.08	0.081
Vermont Municipal Employees	2006	0.08	0.113
Vermont Municipal Employees	2007	0.08	0.166
Vermont Municipal Employees	2008	0.08	-0.061
Vermont Municipal Employees	2009	0.08	-0.182
Vermont Municipal Employees	2010	0.08	0.183
Vermont Municipal Employees	2011	0.085	0.21
Vermont Municipal Employees	2012	0.085	0.024
Vermont Municipal Employees	2013	0.085	0.088
Vermont Municipal Employees	2014	0.085	0.067
Vermont Municipal Employees	2015	0.085	0.023
Vermont Municipal Employees	2016	0.0795	0.011
Vermont Municipal Employees	2017	0.075	0.108
Vermont Municipal Employees	2018	0.075	0.067
Vermont Municipal Employees	2019	0.075	0.058
St. Louis Employees	2001	0.08	-0.1186
St. Louis Employees	2002	0.08	-0.0637
St. Louis Employees	2003	0.08	0.1754
St. Louis Employees	2004	0.08	0.1122
St. Louis Employees	2005	0.08	0.1499
St. Louis Employees	2006	0.08	0.1135
St. Louis Employees	2007	0.08	0.1465
St. Louis Employees	2008	0.08	-0.1276
St. Louis Employees	2009	0.08	-0.0309
St. Louis Employees	2010	0.08	0.1011
St. Louis Employees	2011	0.08	0.0179
St. Louis Employees	2012	0.08	0.1695
St. Louis Employees	2013	0.08	0.1304
St. Louis Employees	2014	0.08	0.0971
St. Louis Employees	2015	0.08	-0.0379
St. Louis Employees	2016	0.075	0.0945
St. Louis Employees	2017	0.075	0.119
St. Louis Employees	2018	0.075	0.0648
St. Louis Employees	2019	0.075	0.01512
Dallas ERS	2001	0.085	-0.0528
Dallas ERS	2002	0.085	-0.0972
Dallas ERS	2003	0.085	0.2666
Dallas ERS	2004	0.0825	0.1561
Dallas ERS	2005	0.0825	0.0827
Dallas ERS	2006	0.0825	0.1733
Dallas ERS	2007	0.0825	0.0373
Dallas ERS	2008	0.0825	-0.3085
Dallas ERS	2009	0.0825	0.3062
Dallas ERS	2010	0.0825	0.1577
Dallas ERS	2011	0.0825	0.0088
Dallas ERS	2012	0.0825	0.1429
Dallas ERS	2013	0.0825	0.169
Dallas ERS	2014	0.08	0.0647
Dallas ERS	2015	0.08	-0.0177
Dallas ERS	2016	0.0775	0.0917
Dallas ERS	2017	0.0775	0.1329
Dallas ERS	2018	0.0775	-0.0443
Dallas ERS	2019	0.0725	0.1758
Jersey City Municipal Employees Pension Fund	2001		
Jersey City Municipal Employees Pension Fund	2002		
Jersey City Municipal Employees Pension Fund	2003		
Jersey City Municipal Employees Pension Fund	2004		
Jersey City Municipal Employees Pension Fund	2005		
Jersey City Municipal Employees Pension Fund	2006	0.0825	0.06957
Jersey City Municipal Employees Pension Fund	2007	0.0825	0.16036
Jersey City Municipal Employees Pension Fund	2008	0.0825	-0.08044
Jersey City Municipal Employees Pension Fund	2009	0.0825	-0.17038
Jersey City Municipal Employees Pension Fund	2010	0.0825	0.13611
Jersey City Municipal Employees Pension Fund	2011	0.0825	0.20671
Jersey City Municipal Employees Pension Fund	2012	0.0825	-0.00295
Jersey City Municipal Employees Pension Fund	2013	0.0825	0.104
Jersey City Municipal Employees Pension Fund	2014	0.0825	0.037
Jersey City Municipal Employees Pension Fund	2015	0.0825	-0.014
Jersey City Municipal Employees Pension Fund	2016	0.0825	0.044
Jersey City Municipal Employees Pension Fund	2017	0.0825	0.142
Jersey City Municipal Employees Pension Fund	2018	0.0825	-0.055
Jersey City Municipal Employees Pension Fund	2019	0.0825	
Omaha ERS	2001	0.075	
Omaha ERS	2002	0.075	-0.05148
Omaha ERS	2003	0.075	
Omaha ERS	2004	0.075	
Omaha ERS	2005	0.08	0.06142
Omaha ERS	2006	0.08	0.1071
Omaha ERS	2007	0.08	0.05366
Omaha ERS	2008	0.08	-0.26382
Omaha ERS	2009	0.08	0.12229
Omaha ERS	2010	0.08	0.16991
Omaha ERS	2011	0.08	-0.00815
Omaha ERS	2012	0.08	0.11151
Omaha ERS	2013	0.08	0.1594
Omaha ERS	2014	0.08	0.05256
Omaha ERS	2015	0.08	0.03403
Omaha ERS	2016	0.08	0.10247
Omaha ERS	2017	0.08	0.13132
Omaha ERS	2018	0.075	-0.00555
Omaha ERS	2019		
Houston Municipal	2001	0.085	-0.0408
Houston Municipal	2002	0.085	-0.0697
Houston Municipal	2003	0.085	0.0355
Houston Municipal	2004	0.085	0.1864
Houston Municipal	2005	0.085	0.1385
Houston Municipal	2006	0.085	0.1811
Houston Municipal	2007	0.085	0.1864
Houston Municipal	2008	0.085	0.0047

PlanName	fy	InvestmentReturnAssumption_GASB	InvestmentReturn_Lyr
Houston Municipal	2009	0.085	-0.16
Houston Municipal	2010	0.085	0.122
Houston Municipal	2011	0.085	0.222
Houston Municipal	2012	0.085	-0.001
Houston Municipal	2013	0.085	0.136
Houston Municipal	2014	0.085	0.164
Houston Municipal	2015	0.08	0.034
Houston Municipal	2016	0.07	0.016
Houston Municipal	2017	0.07	0.127
Houston Municipal	2018	0.07	0.0933
Houston Municipal	2019	0.07	0.072