Utah Retirement Systems

Required Supplementary Information

Schedule of Changes in the Employers' Net Pension Liability

Noncontributory Retirement System 2022 2021 2020 Total pension liability Service cost \$ 422,530 410,799 402,446 Interest 2,256,737 2,167,432 2,071,626 Benefit changes — — — Differences between expected and actual experience 351,279 404,505 252,553 Assumption changes — 386,554 176,384 Benefit payments (1,662,640) (1,565,046) (1,488,627) Refunds (3,334) (1,313) (2,338) Net change in total pension liability — beginning 33,566,700 31,763,859 30,51,815 Total pension liability — ending (a) 34,931,362 33,566,700 31,763,859 Plan fiduciary net position Contributions — member 15,415 16,178 16,385 Contributions — member 115,415 16,178 16,385 Contributions — employer 969,922 942,910 912,525 Net investment income (1,833,570) 5,201,752 343,938 <td< th=""><th></th><th>(in</th><th>thousands)</th><th></th><th></th><th></th></td<>		(in	thousands)			
Service cost \$ 422,530 410,799 402,446 Interest 2,256,737 2,167,432 2,071,626 Benefit changes — — — Differences between expected and actual experience 351,279 404,505 252,553 Assumption changes — 386,554 176,384 Benefit payments (1,62,640) (1,565,046) (1,488,627) Refunds (3,334) (1,313) (2,338) Net change in total pension liability — beginning 33,566,790 31,763,859 30,351,815 Total pension liability— ending (a) 34,931,362 33,566,790 31,763,859 Plan fiduciary net position Contributions— member 15,415 16,178 16,385 Contributions— employer 969,922 942,910 912,525 Net investment income (1,833,570) 5,201,752 3,430,989 Benefit payments (1,662,640) (1,565,046) (1,488,627) Refunds (3,334) (1,313) (2,338) Benefit payments (1,662,640)	Noncontributory Retirement System		2022	2021	2020	
Interest	Total pension liability					
Benefit changes — — — Differences between expected and actual experience 351,279 404,505 252,553 Assumption changes — 386,554 176,384 Benefit payments (1,662,640) (1,565,046) (1,488,627) Refunds (3,334) (1,313) (2,338) Net change in total pension liability — beginning 33,566,790 31,763,859 30,351,815 Total pension liability — ending (a) 34,931,362 33,566,790 31,763,859 Plan fiduciary net position Contributions — member 15,415 16,178 16,385 Contributions — employer 969,922 942,910 912,525 Net investment income (1,833,570) 5,201,752 3,430,989 Benefit payments (1,662,640) (1,565,046) (1,488,627) Refunds (3,334) (1,313) (2,338) Administrative expense (10,357) (10,004) (9,805) Net change in plan fiduciary net position (2,465,972) 4,590,463 2,842,149 Pl	Service cost	\$	422,530	410,799	402,446	
Differences between expected and actual experience 351,279 404,505 252,553 Assumption changes — 386,554 176,384 Benefit payments (1,662,640) (1,565,046) (1,488,627) Refunds (3,334) (1,313) (2,338) Net change in total pension liability 1,364,572 1,802,931 1,412,044 Total pension liability — beginning 33,566,790 31,763,859 30,351,815 Total pension liability — ending (a) 34,931,362 33,66,790 31,763,859 Plan fiduciary net position Contributions — member 15,415 16,178 16,385 Contributions — employer 969,922 942,910 912,525 Net investment income (1,833,570) 5,201,752 3,430,989 Benefit payments (1,662,640) (1,565,046) (1,488,627) Refunds 3,334 (1,313) (2,338) Administrative expense (10,357) (10,004) 9,805 Net transfers with affiliated systems 58,592 5,986 (16,980)	Interest		2,256,737	2,167,432	2,071,626	
Assumption changes — 386,554 176,384 Benefit payments (1,662,640) (1,565,046) (1,488,627) Refunds (3,334) (1,313) (2,338) Net change in total pension liability 1,364,572 1,802,931 1,412,044 Total pension liability—beginning 33,566,790 31,763,859 30,351,815 Total pension liability—ending (a) 34,931,362 33,566,790 31,763,859 Plan fiduciary net position Contributions—member 15,415 16,178 16,385 Contributions—employer 969,922 942,910 912,525 Net investment income (1,833,570) 5,201,752 3,430,989 Benefit payments (1,662,640) (1,565,046) (1,488,627) Refunds (3,334) (1,313) (2,338) Administrative expense (10,357) (10,004) (9,805) Net transfers with affiliated systems 58,592 5,986 (16,980) Net change in plan fiduciary net position—beginning 35,068,535 30,478,072 27,635,923	Benefit changes		_	_	_	
Benefit payments (1,662,640) (1,565,046) (1,488,627) Refunds (3,334) (1,313) (2,338) Net change in total pension liability 1,364,572 1,802,931 1,412,044 Total pension liability—beginning 33,566,790 31,763,859 30,351,815 Total pension liability—ending (a) 34,931,362 33,566,790 31,763,859 Plan fiduciary net position Contributions—member 15,415 16,178 16,385 Contributions—employer 969,922 942,910 912,525 Net investment income (1,833,570) 5,201,752 3,430,989 Benefit payments (1,662,640) (1,565,046) (1,488,627) Refunds (3,334) (1,313) (2,338) Administrative expense (10,357) (10,004) (9,805) Net transfers with affiliated systems 58,592 5,986 (16,980) Net change in plan fiduciary net position — beginning 35,068,535 30,478,072 27,635,923 Plan fiduciary net position — ending (b) 32,262,563 35,068,535	Differences between expected and actual experience		351,279	404,505	252,553	
Refunds (3,334) (1,313) (2,338) Net change in total pension liability 1,364,572 1,802,931 1,412,044 Total pension liability—beginning 33,566,790 31,763,859 30,351,815 Total pension liability—ending (a) 34,931,362 33,566,790 31,763,859 Plan fiduciary net position Contributions—member 15,415 16,178 16,385 Contributions—employer 969,922 942,910 912,525 Net investment income (1,833,570) 5,201,752 3,430,989 Benefit payments (1,662,640) (1,565,046) (1,488,627) Refunds (3,334) (1,313) (2,338) Administrative expense (10,357) (10,004) (9,805) Net transfers with affiliated systems 58,592 5,986 (16,980) Net change in plan fiduciary net position—beginning 35,068,535 30,478,072 27,635,923 Plan fiduciary net position—ending (b) 32,602,563 35,068,535 30,478,072 Net pension liability/(asset)—ending (a-b) \$2,328,799 <td< td=""><td>Assumption changes</td><td></td><td>_</td><td>386,554</td><td>176,384</td><td></td></td<>	Assumption changes		_	386,554	176,384	
Net change in total pension liability 1,364,572 1,802,931 1,412,044 Total pension liability — beginning 33,566,790 31,763,859 30,351,815 Total pension liability — ending (a) 34,931,362 33,566,790 31,763,859 Plan fiduciary net position Contributions — member 15,415 16,178 16,385 Contributions — employer 969,922 942,910 912,525 Net investment income (1,833,570) 5,201,752 3,430,989 Benefit payments (1,662,640) (1,565,046) (1,488,627) Refunds (3,334) (1,313) (2,338) Administrative expense (10,357) (10,004) (9,805) Net transfers with affiliated systems 58,592 5,986 (16,980) Net change in plan fiduciary net position — beginning 35,068,535 30,478,072 27,635,923 Plan fiduciary net position — ending (b) 32,602,563 35,068,535 30,478,072 Net pension liability/(asset) — ending (a-b) \$2,328,799 (1,501,745) 1,285,787 Plan fiduciary net position a	Benefit payments		(1,662,640)	(1,565,046)	(1,488,627)	
Total pension liability — beginning 33,566,790 31,763,859 30,351,815 Total pension liability — ending (a) 34,931,362 33,566,790 31,763,859 Plan fiduciary net position Contributions — member 15,415 16,178 16,385 Contributions — employer 969,922 942,910 912,525 Net investment income (1,833,570) 5,201,752 3,430,989 Benefit payments (1,662,640) (1,565,046) (1,488,627) Refunds (3,334) (1,313) (2,338) Administrative expense (10,357) (10,004) (9,805) Net transfers with affiliated systems 58,592 5,986 (16,980) Net change in plan fiduciary net position (2,465,972) 4,590,463 2,842,149 Plan fiduciary net position — beginning 35,068,535 30,478,072 27,635,923 Plan fiduciary net position — ending (b) 32,602,563 35,068,535 30,478,072 Net pension liability/(asset) — ending (a-b) \$2,328,799 (1,501,745) 1,285,787 Plan fiduciary net position as a perc	Refunds		(3,334)	(1,313)	(2,338)	
Plan fiduciary net position 15,415 16,178 16,385 Contributions — member 15,415 16,178 16,385 Contributions — employer 969,922 942,910 912,525 Net investment income (1,833,570) 5,201,752 3,430,989 Benefit payments (1,662,640) (1,565,046) (1,488,627) Refunds (3,334) (1,313) (2,338) Administrative expense (10,357) (10,004) (9,805) Net transfers with affiliated systems 58,592 5,986 (16,980) Net change in plan fiduciary net position (2,465,972) 4,590,463 2,842,149 Plan fiduciary net position — beginning 35,068,535 30,478,072 27,635,923 Plan fiduciary net position — ending (b) 32,602,563 35,068,535 30,478,072 Net pension liability/(asset) — ending (a-b) \$2,328,799 (1,501,745) 1,285,787 Plan fiduciary net position as a percentage of the total pension liability 93.3% 104.5% 96.0% Plan fiduciary net position as a percentage of the total pension liability 93.3%	Net change in total pension liability		1,364,572	1,802,931	1,412,044	
Plan fiduciary net position Contributions — member 15,415 16,178 16,385 Contributions — employer 969,922 942,910 912,525 Net investment income (1,833,570) 5,201,752 3,430,989 Benefit payments (1,662,640) (1,565,046) (1,488,627) Refunds (3,334) (1,313) (2,338) Administrative expense (10,357) (10,004) (9,805) Net transfers with affiliated systems 58,592 5,986 (16,980) Net change in plan fiduciary net position (2,465,972) 4,590,463 2,842,149 Plan fiduciary net position — beginning 35,068,535 30,478,072 27,635,923 Plan fiduciary net position — ending (b) 32,602,563 35,068,535 30,478,072 Net pension liability/(asset) — ending (a-b) \$ 2,328,799 (1,501,745) 1,285,787 Plan fiduciary net position as a percentage of the total pension liability 93.3% 104.5% 96.0% Projected covered payroll \$ 3,360,198 3,361,940 3,306,382	Total pension liability — beginning		33,566,790	31,763,859	30,351,815	
Contributions — member 15,415 16,178 16,385 Contributions — employer 969,922 942,910 912,525 Net investment income (1,833,570) 5,201,752 3,430,989 Benefit payments (1,662,640) (1,565,046) (1,488,627) Refunds (3,334) (1,313) (2,338) Administrative expense (10,357) (10,004) (9,805) Net transfers with affiliated systems 58,592 5,986 (16,980) Net change in plan fiduciary net position (2,465,972) 4,590,463 2,842,149 Plan fiduciary net position — beginning 35,068,535 30,478,072 27,635,923 Plan fiduciary net position — ending (b) 32,602,563 35,068,535 30,478,072 Net pension liability/(asset) — ending (a-b) \$ 2,328,799 (1,501,745) 1,285,787 Plan fiduciary net position as a percentage of the total pension liability 93.3% 104.5% 96.0% Projected covered payroll \$ 3,360,198 3,361,940 3,306,382	Total pension liability — ending (a)		34,931,362	33,566,790	31,763,859	
Contributions — employer 969,922 942,910 912,525 Net investment income (1,833,570) 5,201,752 3,430,989 Benefit payments (1,662,640) (1,565,046) (1,488,627) Refunds (3,334) (1,313) (2,338) Administrative expense (10,357) (10,004) (9,805) Net transfers with affiliated systems 58,592 5,986 (16,980) Net change in plan fiduciary net position (2,465,972) 4,590,463 2,842,149 Plan fiduciary net position — beginning 35,068,535 30,478,072 27,635,923 Plan fiduciary net position — ending (b) 32,602,563 35,068,535 30,478,072 Net pension liability/(asset) — ending (a-b) \$ 2,328,799 (1,501,745) 1,285,787 Plan fiduciary net position as a percentage of the total pension liability 93.3% 104.5% 96.0% Projected covered payroll \$ 3,360,198 3,361,940 3,306,382	Plan fiduciary net position					
Net investment income (1,833,570) 5,201,752 3,430,989 Benefit payments (1,662,640) (1,565,046) (1,488,627) Refunds (3,334) (1,313) (2,338) Administrative expense (10,357) (10,004) (9,805) Net transfers with affiliated systems 58,592 5,986 (16,980) Net change in plan fiduciary net position (2,465,972) 4,590,463 2,842,149 Plan fiduciary net position — beginning 35,068,535 30,478,072 27,635,923 Plan fiduciary net position — ending (b) 32,602,563 35,068,535 30,478,072 Net pension liability/(asset) — ending (a-b) \$ 2,328,799 (1,501,745) 1,285,787 Plan fiduciary net position as a percentage of the total pension liability 93.3% 104.5% 96.0% Projected covered payroll \$ 3,360,198 3,361,940 3,306,382	Contributions — member		15,415	16,178	16,385	
Benefit payments (1,662,640) (1,565,046) (1,488,627) Refunds (3,334) (1,313) (2,338) Administrative expense (10,357) (10,004) (9,805) Net transfers with affiliated systems 58,592 5,986 (16,980) Net change in plan fiduciary net position (2,465,972) 4,590,463 2,842,149 Plan fiduciary net position — beginning 35,068,535 30,478,072 27,635,923 Plan fiduciary net position — ending (b) 32,602,563 35,068,535 30,478,072 Net pension liability/(asset) — ending (a-b) \$ 2,328,799 (1,501,745) 1,285,787 Plan fiduciary net position as a percentage of the total pension liability 93.3% 104.5% 96.0% Projected covered payroll \$ 3,360,198 3,361,940 3,306,382	Contributions — employer		969,922	942,910	912,525	
Refunds (3,334) (1,313) (2,338) Administrative expense (10,357) (10,004) (9,805) Net transfers with affiliated systems 58,592 5,986 (16,980) Net change in plan fiduciary net position (2,465,972) 4,590,463 2,842,149 Plan fiduciary net position — beginning 35,068,535 30,478,072 27,635,923 Plan fiduciary net position — ending (b) 32,602,563 35,068,535 30,478,072 Net pension liability/(asset) — ending (a-b) \$ 2,328,799 (1,501,745) 1,285,787 Plan fiduciary net position as a percentage of the total pension liability 93.3% 104.5% 96.0% Projected covered payroll \$ 3,360,198 3,361,940 3,306,382	Net investment income		(1,833,570)	5,201,752	3,430,989	
Administrative expense (10,357) (10,004) (9,805) Net transfers with affiliated systems 58,592 5,986 (16,980) Net change in plan fiduciary net position (2,465,972) 4,590,463 2,842,149 Plan fiduciary net position — beginning 35,068,535 30,478,072 27,635,923 Plan fiduciary net position — ending (b) 32,602,563 35,068,535 30,478,072 Net pension liability/(asset) — ending (a-b) \$ 2,328,799 (1,501,745) 1,285,787 Plan fiduciary net position as a percentage of the total pension liability 93.3% 104.5% 96.0% Projected covered payroll \$ 3,360,198 3,361,940 3,306,382	Benefit payments		(1,662,640)	(1,565,046)	(1,488,627)	
Net transfers with affiliated systems 58,592 5,986 (16,980) Net change in plan fiduciary net position (2,465,972) 4,590,463 2,842,149 Plan fiduciary net position — beginning 35,068,535 30,478,072 27,635,923 Plan fiduciary net position — ending (b) 32,602,563 35,068,535 30,478,072 Net pension liability/(asset) — ending (a-b) \$ 2,328,799 (1,501,745) 1,285,787 Plan fiduciary net position as a percentage of the total pension liability 93.3% 104.5% 96.0% Projected covered payroll \$ 3,360,198 3,361,940 3,306,382	Refunds		(3,334)	(1,313)	(2,338)	
Net change in plan fiduciary net position (2,465,972) 4,590,463 2,842,149 Plan fiduciary net position — beginning 35,068,535 30,478,072 27,635,923 Plan fiduciary net position — ending (b) 32,602,563 35,068,535 30,478,072 Net pension liability/(asset) — ending (a-b) \$ 2,328,799 (1,501,745) 1,285,787 Plan fiduciary net position as a percentage of the total pension liability 93.3% 104.5% 96.0% Projected covered payroll \$ 3,360,198 3,361,940 3,306,382	Administrative expense		(10,357)	(10,004)	(9,805)	
Plan fiduciary net position — beginning 35,068,535 30,478,072 27,635,923 Plan fiduciary net position — ending (b) 32,602,563 35,068,535 30,478,072 Net pension liability/(asset) — ending (a-b) \$ 2,328,799 (1,501,745) 1,285,787 Plan fiduciary net position as a percentage of the total pension liability 93.3% 104.5% 96.0% Projected covered payroll \$ 3,360,198 3,361,940 3,306,382	Net transfers with affiliated systems		58,592	5,986	(16,980)	
Plan fiduciary net position — ending (b) 32,602,563 35,068,535 30,478,072 Net pension liability/(asset) — ending (a-b) \$ 2,328,799 (1,501,745) 1,285,787 Plan fiduciary net position as a percentage of the total pension liability 93.3% 104.5% 96.0% Projected covered payroll \$ 3,360,198 3,361,940 3,306,382	Net change in plan fiduciary net position		(2,465,972)	4,590,463	2,842,149	
Net pension liability/(asset) — ending (a-b) \$ 2,328,799 (1,501,745) 1,285,787 Plan fiduciary net position as a percentage of the total pension liability 93.3% 104.5% 96.0% Projected covered payroll \$ 3,360,198 3,361,940 3,306,382	Plan fiduciary net position — beginning		35,068,535	30,478,072	27,635,923	
Plan fiduciary net position as a percentage of the total pension liability 93.3% 104.5% 96.0% Projected covered payroll \$ 3,360,198 3,361,940 3,306,382	Plan fiduciary net position — ending (b)		32,602,563	35,068,535	30,478,072	
Projected covered payroll \$ 3,360,198 3,361,940 3,306,382	Net pension liability/(asset) — ending (a-b)	\$	2,328,799	(1,501,745)	1,285,787	
	Plan fiduciary net position as a percentage of the total pension liability		93.3%	104.5%	96.0%	
Net pension liability/(asset) as a percentage of covered payroll 69.3% (44.7)% 38.9%	Projected covered payroll	\$	3,360,198	3,361,940	3,306,382	
	Net pension liability/(asset) as a percentage of covered payroll		69.3%	(44.7)%	38.9%	

					Noncontributory	Retirement System
2019	2018	2017	2016	2015	2014	2013
404,539	404,391	403,981	407,690	394,798	407,992	441,320
1,989,449	1,920,238	1,877,576	1,764,653	1,775,819	1,699,693	1,646,213
_	_	_	48,400	_	_	23,123
234,989	32,680	(84,234)	6,408	(188,166)	(204,823)	(208,501)
_	_	642,187	563,741	_	(157,921)	_
(1,396,983)	(1,320,214)	(1,248,037)	(1,184,317)	(1,123,647)	(1,043,798)	(974,684)
(3,127)	(2,766)	(4,635)	(4,366)	(2,496)	(2,204)	(2,454)
1,228,867	1,034,329	1,586,838	1,602,209	856,308	698,939	925,017
29,122,948	28,088,619	26,501,781	24,899,572	24,043,264	23,344,325	22,419,308
30,351,815	29,122,948	28,088,619	26,501,781	24,899,572	24,043,264	23,344,325
11 720	14.602	17 205	16 200	17.020	12 507	14 200
11,730	14,602	17,285	16,308	17,020	13,587	14,208
888,078	858,444	854,255	831,631	813,449	772,420	710,933
3,499,188	(92,207)	2,987,282	1,783,911	366,748	1,419,053	2,588,981
(1,396,983)	(1,320,214)	(1,248,037)	(1,184,317)	(1,123,647)	(1,043,798)	(974,684)
(3,127)	(2,766)	(4,635)	(4,366)	(2,496)	(2,204)	(2,454)
(9,411)	(9,962)	(9,579)	(8,856)	(8,797)	(8,828)	(8,329)
(19,611)	13,035	(10,187)	(8,005)	33,648	30,467	(42,277)
2,969,864	(539,068)	2,586,384	1,426,306	95,925	1,180,697	2,286,378
24,666,059	25,205,127	22,618,743	21,192,437	21,096,512	19,915,815	17,629,437
27,635,923	24,666,059	25,205,127	22,618,743	21,192,437	21,096,512	19,915,815
2,715,892	4,456,889	2,883,492	3,883,038	3,707,135	2,946,752	3,428,510
91.1%	84.7%	89.7%	85.3%	85.1%	87.7%	85.3%
3,328,314	3,330,548	3,375,321	3,406,567	3,458,286	3,570,912	3,705,771
81.6%	133.8%	85.4%	114.0%	107.2%	82.5%	92.5%

Continued on page 94.

Schedule of Changes in the Employers' Net Pension Liability (Continued)

		(in thousands)		
Contributory Retirement System	2022	2021	2020	
Total pension liability				
Service cost	\$ 2,433	2,786	3,175	
Interest	82,901	85,305	85,198	
Benefit changes	_	_	_	
Differences between expected and actual experience	(7,940)	(21,487)	(5,463)	
Assumption changes	_	10,667	11,312	
Benefit payments	(94,365)	(91,712)	(89,890)	
Refunds	(848)	(1,625)	(1,753)	
Net change in total pension liability	(17,819)	(16,066)	2,579	
Total pension liability — beginning	1,256,624	1,272,690	1,270,111	
Total pension liability — ending (a)	1,238,805	1,256,624	1,272,690	
Plan fiduciary net position				
Contributions — member	1,240	1,445	1,728	
Contributions — employer	3,675	4,204	4,759	
Net investment income	(70,701)	220,023	154,367	
Benefit payments	(94,365)	(91,712)	(89,890)	
Refunds	(848)	(1,625)	(1,753)	
Administrative expense	(382)	(388)	(406)	
Net transfers with affiliated systems	(69,481)	(20,349)	4,542	
Net change in plan fiduciary net position	(230,862)	111,598	73,347	
Plan fiduciary net position — beginning	1,447,237	1,335,639	1,262,292	
Plan fiduciary net position — ending (b)	1,216,375	1,447,237	1,335,639	
Net pension liability/(asset) — ending (a-b)	\$ 22,430	(190,613)	(62,949)	
Plan fiduciary net position as a percentage of the total pension liability	98.2%	115.2%	104.9%	
Projected covered payroll	\$ 26,521	26,782	30,748	
Net pension liability/(asset) as a percentage of covered payroll	84.6%	(711.7)%	(204.7)%	

						Contributory R	Retirement System
	2019	2018	2017	2016	2015	2014	2013
	3,536	4,044	4,801	5,673	8,672	9,580	10,997
	86,205	87,297	90,124	91,894	95,463	93,819	93,750
	_	_	_	(45,057)	_	_	721
	(12,817)	(17,249)	(24,990)	(13,801)	(15,289)	(22,839)	(20,520)
	_	_	22,108	22,909	_	(4,233)	_
	(88,162)	(86,795)	(84,759)	(83,447)	(81,390)	(77,015)	(74,158)
	(2,660)	(1,471)	(1,613)	(1,700)	(1,215)	(2,433)	(1,922)
	(13,898)	(14,174)	5,671	(23,529)	6,241	(3,121)	8,868
1,	284,009	1,298,183	1,292,512	1,316,041	1,309,800	1,312,921	1,304,053
1,	270,111	1,284,009	1,298,183	1,292,512	1,316,041	1,309,800	1,312,921
	1,950	2,455	2,675	3,420	4,771	5,461	6,376
	5,433	6,027	7,946	8,188	11,719	12,954	12,874
	163,935	(4,513)	155,949	97,693	21,251	87,577	169,510
	(88,162)	(86,795)	(84,761)	(83,447)	(81,390)	(77,015)	(74,158)
	(2,660)	(1,471)	(1,613)	(1,700)	(1,215)	(2,433)	(1,922)
	(408)	(454)	(457)	(446)	(478)	(494)	(480)
	9,775	(26,286)	(1,177)	(1,895)	(41,558)	(38,004)	33,094
	89,863	(111,037)	78,562	21,813	(86,900)	(11,954)	145,294
1,	172,429	1,283,466	1,204,904	1,183,091	1,269,991	1,281,945	1,136,651
1,;	262,292	1,172,429	1,283,466	1,204,904	1,183,091	1,269,991	1,281,945
	7,819	111,580	14,717	87,608	132,950	39,809	30,976
	00.40/	01.20/	00.00/	02.20/	90.00/	07.00/	07.60/
	99.4%	91.3%	98.9%	93.2%	89.9%	97.0%	97.6%
	34,317	39,279	45,177	53,615	82,426	90,623	98,023
	22.8%	284.1%	32.6%	163.4%	161.3%	43.9%	31.6%

Continued on page 96.

Schedule of Changes in the Employers' Net Pension Liability (Continued)

(in	thousand	dc)
(,,,	mousann	101

(in thousands)				
	2022	2021	2020	
\$	73,905	74,554	77,899	
	331,631	320,715	305,221	
	_	_	_	
	26,698	8,677	72,199	
	_	61,108	(6,165)	
	(241,776)	(233,672)	(215,289)	
	(552)	(32)	(96)	
	189,906	231,350	233,769	
	4,925,534	4,694,184	4,460,415	
	5,115,440	4,925,534	4,694,184	
	1,037	1,421	557	
	168,535	152,524	150,512	
	(267,352)	756,145	496,725	
	(241,776)	(233,672)	(215,289)	
	(552)	(32)	(96)	
	(1,513)	(1,466)	(1,442)	
	5,403	7,956	7,364	
	(336,218)	682,876	438,331	
	5,105,393	4,422,517	3,984,186	
	4,769,175	5,105,393	4,422,517	
\$	346,265	(179,859)	271,667	
	93.2%	103.7%	94.2%	
\$	313,938	325,616	338,919	
	110.3%	(55.2)%	80.2%	
	\$	\$ 73,905 331,631 26,698 (241,776) (552) 189,906 4,925,534 5,115,440 1,037 168,535 (267,352) (241,776) (552) (1,513) 5,403 (336,218) 5,105,393 4,769,175 \$ 346,265 93.2% \$ 313,938	\$ 73,905	\$ 73,905

					Public Safety F	Retirement System
2019	2018	2017	2016	2015	2014	2013
78,229	80,296	78,272	78,843	75,352	76,681	81,736
291,647	280,149	269,818	249,722	248,980	236,803	229,965
_	<u>—</u>	_	_	_	_	_
34,291	1,441	(3,041)	9,358	(17,164)	(25,225)	(29,228)
_	_	118,370	110,373	_	(52,410)	_
(201,923)	(188,414)	(172,870)	(164,508)	(155,387)	(144,763)	(137,486)
(76)	(428)	(226)	(183)	(533)	(199)	(467)
202,168	173,044	290,323	283,605	151,248	90,887	144,520
4,258,247	4,085,203	3,794,880	3,511,275	3,360,027	3,269,140	3,124,620
4,460,415	4,258,247	4,085,203	3,794,880	3,511,275	3,360,027	3,269,140
856	895	793	830	905	835	1,258
150,467	147,101	145,814	147,099	141,024	135,588	128,744
502,657	(13,134)	421,917	249,027	50,654	194,222	350,563
(201,923)	(188,414)	(172,870)	(164,508)	(155,387)	(144,763)	(137,486)
(76)	(428)	(226)	(183)	(533)	(199)	(467)
(1,376)	(1,450)	(1,382)	(1,260)	(1,233)	(1,227)	(1,161)
5,512	6,982	5,926	6,701	4,023	2,746	4,676
456,117	(48,448)	399,972	237,706	39,453	187,202	346,127
3,528,069	3,576,517	3,176,545	2,938,839	2,899,386	2,712,184	2,366,057
3,984,186	3,528,069	3,576,517	3,176,545	2,938,839	2,899,386	2,712,184
476,229	730,178	508,686	618,335	572,436	460,641	556,956
89.3%	82.9%	87.5%	83.7%	83.7%	86.3%	83.0%
339,705	348,475	350,782	352,407	355,171	360,750	365,998
140.2%	209.5%	145.0%	175.5%	161.2%	127.7%	152.2%

Continued on page 98.

Schedule of Changes in the Employers' Net Pension Liability (Continued)

Year Ended December 31

(in thousands)

	(In t	nousanas)			
Firefighters Retirement System		2022	2021	2020	
Total pension liability					
Service cost	\$	30,033	29,351	29,553	
Interest		99,323	95,203	90,343	
Benefit changes		_	_	_	
Differences between expected and actual experience		4,788	5,996	8,829	
Assumption changes		_	18,286	6,153	
Benefit payments		(71,019)	(66,508)	(62,842)	
Refunds		(370)	(176)	(159)	
Net change in total pension liability		62,755	82,152	71,877	
Total pension liability — beginning		1,470,649	1,388,497	1,316,620	
Total pension liability — ending (a)		1,533,404	1,470,649	1,388,497	
Plan fiduciary net position					
Contributions — member		19,269	18,985	18,729	
Contributions — employer		6,473	7,499	7,490	
Court fees and fire insurance premium tax		22,738	21,136	20,279	
Net investment income		(94,373)	265,931	173,818	
Benefit payments		(71,019)	(66,508)	(62,842)	
Refunds		(370)	(176)	(159)	
Administrative expense		(451)	(435)	(425)	
Net transfers with affiliated systems		3,513	1,837	2,751	
Net change in plan fiduciary net position		(114,220)	248,269	159,641	
Plan fiduciary net position — beginning		1,799,463	1,551,194	1,391,553	
Plan fiduciary net position — ending (b)		1,685,243	1,799,463	1,551,194	
Net pension liability/(asset) — ending (a-b)	\$	(151,839)	(328,814)	(162,697)	
Plan fiduciary net position as a percentage of the total pension liability		109.9%	122.4%	111.7%	
Projected covered payroll	\$	114,702	114,635	114,458	
Net pension liability/(asset) as a percentage of covered payroll		(132.4)%	(286.8)%	(142.1)%	

					Firefighters Re	tirement System
2019	2018	2017	2016	2015	2014	2013
29,281	29,378	28,775	28,652	27,182	27,266	29,577
86,589	82,819	80,386	75,334	75,212	71,490	70,259
_	_	_	_	_	_	_
(437)	937	(9,216)	(5,525)	(8,259)	(15,077)	(13,083)
_	_	31,357	25,572	_	(20,372)	_
(59,847)	(57,440)	(54,793)	(52,102)	(49,671)	(47,710)	(44,747)
(255)	(132)	(511)	(466)	(528)	(293)	(106)
55,331	55,562	75,998	71,465	43,936	15,304	41,900
1,261,289	1,205,727	1,129,729	1,058,264	1,014,328	999,024	957,124
1,316,620	1,261,289	1,205,727	1,129,729	1,058,264	1,014,328	999,024
10 701	10 205	10.460	10.720	10 175	10 200	10.225
18,701	18,305	18,460	18,729	18,175	18,300	18,325
7,443	7,021	6,715	6,954	6,690	5,514	3,494
41,859	8,747	1,223	10,569	17,218	14,154	11,285
174,141	(4,509)	146,736	87,746	17,934	69,070	125,685
(59,847)	(57,440)	(54,793)	(52,102)	(49,671)	(47,710)	(44,747)
(255)	(132)	(511)	(466)	(528)	(293)	(106)
(405)	(427)	(408)	(374)	(371)	(370)	(355)
2,027	1,917	1,259	1,611	2,573	3,713	1,302
183,664	(26,518)	118,681	72,667	12,020	62,378	114,883
1,207,889	1,234,407	1,115,726	1,043,059	1,031,039	968,661	853,778
1,391,553	1,207,889	1,234,407	1,115,726	1,043,059	1,031,039	968,661
(74,933)	53,400	(28,680)	14,003	15,205	(16,711)	30,363
105.7%	95.8%	102.4%	98.8%	98.6%	101.6%	97.0%
113,330	113,587	112,953	112,322	111,133	111,305	110,741
(66.1)%	47.0%	(25.4)%	12.5%	13.7%	(15.0)%	27.4%
(00.1)/0	17.070	(23.1)/0	12.5 /0	13.7 /0	(13.0)/0	27.170

Continued on page 100.

Schedule of Changes in the **Employers' Net Pension Liability** (Continued)

(in	thousand	dc)
(,,,	mousann	101

	,	,			
Judges Retirement System		2022	2021	2020	
Total pension liability					
Service cost	\$	6,667	6,309	6,144	
Interest		19,008	18,415	17,675	
Benefit changes		_	_	_	
Differences between expected and actual experience		6,552	2,789	548	
Assumption changes		_	2,928	3,431	
Benefit payments		(17,609)	(18,600)	(15,863)	
Refunds		_	_	_	
Net change in total pension liability		14,618	11,841	11,935	
Total pension liability — beginning		282,957	271,116	259,181	
Total pension liability — ending (a)		297,575	282,957	271,116	
Plan fiduciary net position					
Contributions — member		_	_	_	
Contributions — employer		9,378	8,949	8,646	
Court fees and fire insurance premium tax		1,335	1,354	1,410	
Net investment income		(14,729)	41,716	27,391	
Benefit payments		(17,609)	(18,600)	(15,863)	
Refunds		_	_	_	
Administrative expense		(88)	(85)	(84)	
Net transfers with affiliated systems		1,990	4,563	2,340	
Net change in plan fiduciary net position		(19,723)	37,897	23,840	
Plan fiduciary net position — beginning		282,030	244,133	220,293	
Plan fiduciary net position — ending (b)		262,307	282,030	244,133	
Net pension liability/(asset) — ending (a-b)	\$	35,268	927	26,983	
Plan fiduciary net position as a percentage of the total pension liability		88.1%	99.7%	90.0%	
Projected covered payroll	\$	21,202	20,801	20,071	
Net pension liability/(asset) as a percentage of covered payroll		166.3%	4.5%	134.4%	

14	2013

Judges Retirement System

2019	2018	2017	2016	2015	2014	2013
6,054	5,682	5,325	5,023	4,794	4,895	4,537
16,649	15,697	14,866	14,064	14,136	13,641	12,924
_	_	_	_	_	_	_
7,615	7,872	809	1,995	171	2,602	(569)
_	_	13,067	2,885	_	(130)	_
(15,346)	(16,111)	(13,621)	(12,330)	(12,400)	(11,361)	(10,189)
_	_	_	_	_	_	_
14,972	13,140	20,446	11,637	6,701	9,647	6,703
244,209	231,069	210,623	198,986	192,285	182,638	175,935
259,181	244,209	231,069	210,623	198,986	192,285	182,638
					217	
9.500	- 0.001	7.562	7 202		317	4 000
8,500	8,091	7,563	7,382	6,555	5,627	4,990
1,536	1,518	1,477	1,470	1,653	1,486	1,498
27,775	(730)	23,435	13,820	2,842	11,068	20,130
(15,346)	(16,111)	(13,621)	(12,330)	(12,400)	(11,361)	(10,189)
_	_	_	_	_	_	_
(81)	(84)	(79)	(71)	(71)	(71)	(66)
2,339	4,403	4,090	1,600	1,334	1,092	3,186
24,723	(2,913)	22,865	11,871	(87)	8,158	19,549
195,570	198,483	175,618	163,747	163,834	155,676	136,127
220,293	195,570	198,483	175,618	163,747	163,834	155,676
38,888	48,639	32,586	35,005	35,239	28,451	26,962
85.0%	80.1%	85.9%	83.4%	82.3%	85.2%	85.2%
19,596	18,802	18,661	16,755	15,832	16,072	15,195
198.4%	258.7%	174.6%	208.9%	222.6%	177.0%	177.4%

Continued on page 102.

Schedule of Changes in the Employers' Net Pension Liability (Continued)

(in thousands)
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	(III triousurus)					
Utah Governors and Legislators Retirement Plan		2022	2021	2020		
Total pension liability						
Service cost	\$	52	46	104		
Interest		872	892	875		
Benefit changes		_	_	_		
Differences between expected and actual experience		50	(144)	224		
Assumption changes		_	114	107		
Benefit payments		(1,010)	(1,036)	(1,023)		
Refunds		_	_	(10)		
Net change in total pension liability		(36)	(128)	277		
Total pension liability — beginning		13,202	13,330	13,053		
Total pension liability — ending (a)		13,166	13,202	13,330		
Plan fiduciary net position						
Contributions — member		_	_	_		
Contributions — employer		422	361	369		
Court fees and fire insurance premium tax		_	_	_		
Net investment income		(693)	2,042	1,396		
Benefit payments		(1,010)	(1,036)	(1,023)		
Refunds		_	_	(10)		
Administrative expense		(4)	(4)	(4)		
Net transfers with affiliated systems		(18)	7	(17)		
Net change in plan fiduciary net position		(1,303)	1,370	711		
Plan fiduciary net position — beginning		13,425	12,055	11,344		
Plan fiduciary net position — ending (b)		12,122	13,425	12,055		
Net pension liability/(asset) — ending (a-b)	\$	1,044	(223)	1,275		
Plan fiduciary net position as a percentage of the total pension liability		92.1%	101.7%	90.4%		
Projected covered payroll	\$	564	719	757		
Net pension liability/(asset) as a percentage of covered payroll		185.1%	(31.0)%	168.4%		

Utah Governors and Legislators Retirement Plan

					-	
2019	2018	2017	2016	2015	2014	2013
59	65	68	89	99	106	100
883	877	879	851	890	884	860
_	_	_	_	_	_	_
(54)	139	182	167	(105)	307	(233)
_	_	264	241	_	_	_
(1,012)	(978)	(973)	(941)	(904)	(909)	(892)
_	_	_	_	_	_	_
(124)	103	420	407	(20)	388	(165)
13,177	13,074	12,654	12,247	12,267	11,879	12,044
13,053	13,177	13,074	12,654	12,247	12,267	11,879
_	_	_	_	_	_	_
384	392	404	421	421	411	252
_	_	_	_	_	_	_
1,481	(41)	1,353	849	181	717	1,346
(1,012)	(978)	(973)	(941)	(904)	(909)	(892)
_	_	_	_	_	_	_
(4)	(5)	(5)	(4)	(5)	(5)	(4)
(42)	(51)	89	(12)	(20)	(14)	19
807	(683)	868	313	(327)	200	721
10,537	11,220	10,352	10,039	10,366	10,166	9,445
11,344	10,537	11,220	10,352	10,039	10,366	10,166
1,709	2,640	1,854	2,302	2,208	1,901	1,713
86.9%	80.0%	95 904	81.8%	82.0%	94 504	85.6%
		85.8%	799		84.5%	
639	639	722		943	928	390
267.4%	413.1%	256.8%	288.1%	234.1%	204.8%	439.2%

Continued on page 104.

Schedule of Changes in the Employers' Net Pension Liability (Continued)

(in	thousand	s)
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	(111)				
Tier 2 Public Employees Contributory Retirement System		2022	2021	2020	
Total pension liability					
Service cost	\$	200,266	167,468	146,284	
Interest		82,921	64,608	49,103	
Benefit changes		_	_	_	
Differences between expected and actual experience		19,941	9,348	8,201	
Assumption changes		_	25,384	10,603	
Benefit payments		(2,602)	(1,982)	(1,397)	
Refunds		_	_	_	
Net change in total pension liability		300,526	264,826	212,794	
Total pension liability — beginning		1,111,694	846,868	634,074	
Total pension liability — ending (a)		1,412,220	1,111,694	846,868	
Plan fiduciary net position					
Contributions — member		164	57	_	
Contributions — employer		217,179	168,232	138,466	
Court fees and fire insurance premium tax		_	_	_	
Net investment income		(65,084)	155,495	84,040	
Benefit payments		(2,602)	(1,982)	(1,397)	
Refunds		_	_	_	
Administrative expense		(345)	(269)	(207)	
Net transfers with affiliated systems		1	_	_	
Net change in plan fiduciary net position		149,313	321,533	220,902	
Plan fiduciary net position — beginning		1,154,018	832,485	611,583	
Plan fiduciary net position — ending (b)		1,303,331	1,154,018	832,485	
Net pension liability/(asset) — ending (a-b)	\$	108,889	(42,324)	14,383	
Plan fiduciary net position as a percentage of the total pension liability		92.3%	103.8%	98.3%	
Projected covered payroll	\$	2,099,223	1,810,502	1,609,102	
Net pension liability/(asset) as a percentage of covered payroll		5.2%	(2.3)%	0.9%	

Tier 2 Public Employees Contributory Retirement System

	The 21 ability feet contributory nearly					
2019	2018	2017	2016	2015	2014	2013
124,244	104,736	84,388	69,887	51,005	39,283	29,318
36,773	27,109	19,471	12,608	8,370	4,648	2,351
_	_	_	_	_	_	(119)
6,561	(1,727)	357	(1,917)	(4,982)	(4,577)	(4,459)
_	_	5,786	7,867	_	(1,385)	_
(965)	(692)	(417)	(316)	(333)	_	_
_	_	_	_	_	_	_
166,613	129,426	109,585	88,129	54,060	37,969	27,091
467,461	338,035	228,450	140,321	86,261	48,292	21,201
634,074	467,461	338,035	228,450	140,321	86,261	48,292
110.030		— 70.175	-	40.645	27.200	25.742
119,839	97,680	79,175	63,062	49,645	37,299	25,743
	(1.454)		14.050	1.063	4 220	4.017
68,228	(1,454)	33,249	14,059	1,963	4,320	4,017
(965)	(692)	(417)	(316)	(333)	_	_
(152)	(110)	(02)	(51)	(20)		
(152)	(119)	(82)	(51)	(30)	(16)	(6)
<u> </u>	<u> </u>	<u> </u>		3	(2)	3
186,950	95,415	111,925	76,754	51,248	41,601	29,757
424,633	329,218	217,293	140,539	89,291	47,690	17,933
611,583	424,633	329,218	217,293	140,539	89,291	47,690
22,491	42,828	8,817	11,157	(218)	(3,030)	602
96.5%	90.8%	97.4%	95.1%	100.1%	103.5%	98.7%
1,380,488	1,171,543	996,965	822,196	637,560	492,882	353,227
1.6%	3.7%	0.9%	1.4%	— %	(0.6)%	0.2%

Continued on page 106.

Schedule of Changes in the Employers' Net Pension Liability (Continued)

Year Ended December 31

(in thousands)

	(in th	nousands)			
Tier 2 Public Safety and Firefighter Contributory Retirement System		2022	2021	2020	
Total pension liability					
Service cost	\$	42,714	35,061	29,998	
Interest		13,626	10,200	7,350	
Benefit changes		_	_	_	
Differences between expected and actual experience		(2,131)	(880)	2,133	
Assumption changes		_	3,983	(939)	
Benefit payments		(42)	(37)	(76)	
Refunds		(4)	_	_	
Net change in total pension liability		54,163	48,327	38,466	
Total pension liability — beginning		177,580	129,253	90,787	
Total pension liability — ending (a)		231,743	177,580	129,253	
Plan fiduciary net position					
Contributions — member		7,386	5,335	2,343	
Contributions — employer		44,272	33,406	25,020	
Court fees and fire insurance premium tax		_	_	_	
Net investment income		(10,791)	23,686	11,645	
Benefit payments		(42)	(37)	(76)	
Refunds		(4)	_		
Administrative expense		(54)	(40)	(29)	
Net transfers with affiliated systems		_	_	_	
Net change in plan fiduciary net position		40,767	62,350	38,903	
Plan fiduciary net position — beginning		182,634	120,284	81,381	
Plan fiduciary net position — ending (b)		223,401	182,634	120,284	
Net pension liability/(asset) — ending (a-b)	\$	8,342	(5,054)	8,969	
Plan fiduciary net position as a percentage of the total pension liability		96.4%	102.8%	93.1%	
Projected covered payroll	\$	265,137	223,892	188,667	
Net pension liability/(asset) as a percentage of covered payroll		3.1%	(2.3)%	4.8%	

Tier 2 Public Safety and Firefighter Contributory Retirement System

	renginer contributory net					
2019	2018	2017	2016	2015	2014	2013
24,849	13,998	10,763	8,164	5,466	3,579	2,151
4,811	3,199	2,133	1,274	746	379	159
2,537	_	_	_	_	_	(7)
1,839	621	(2)	425	220	50	106
_	_	1,924	803	_	(127)	_
(90)	_	(61)	(28)	(30)	_	_
_	_	_	_	_	_	_
33,946	17,818	14,757	10,638	6,402	3,881	2,409
56,841	39,023	24,266	13,628	7,226	3,345	936
90,787	56,841	39,023	24,266	13,628	7,226	3,345
_	55	_	_	_	_	_
18,197	14,295	11,126	8,488	6,221	4,365	2,451
_	_	_	_	_	_	_
8,958	(180)	3,989	1,591	199	404	316
(90)	_	(61)	(28)	(30)	_	_
_	_	_	_	_	_	_
(20)	(14)	(9)	(5)	(3)	(1)	_
_	_			(3)	2	(3)
27,045	14,156	15,045	10,046	6,384	4,770	2,764
54,336	40,180	25,135	15,089	8,705	3,935	1,171
81,381	54,336	40,180	25,135	15,089	8,705	3,935
9,406	2,505	(1,157)	(869)	(1,461)	(1,479)	(590)
89.6%	95.6%	103.0%	103.6%	110.7%	120.5%	117.6%
156,778	123,439	98,113	74,834	53,276	35,019	20,215
6.0%	2.0%	(1.2)%	(1.2)%	(2.7)%	(4.2)%	(2.9)%

Continued on page 108.

Schedule of Changes in the Employers' Net Pension Liability (Concluded)

Year Ended December 31

(in thousands)

	(in thousands)					
Total All Retirement Systems	2022		2021	2020		
Total pension liability						
Service cost	\$	778,600	726,374	695,603		
Interest		2,887,019	2,762,770	2,627,391		
Benefit changes		_	_	_		
Differences between expected and actual experience		399,237	408,804	339,224		
Assumption changes		_	509,024	200,886		
Benefit payments		(2,091,063)	(1,978,593)	(1,875,007)		
Refunds		(5,108)	(3,146)	(4,356)		
Net change in total pension liability		1,968,685	2,425,233	1,983,741		
Total pension liability — beginning		42,805,030	40,379,797	38,396,056		
Total pension liability — ending (a)		44,773,715	42,805,030	40,379,797		
Plan fiduciary net position						
Contributions — member		44,511	43,421	39,742		
Contributions — employer		1,419,856	1,318,085	1,247,787		
Court fees and fire insurance premium tax		24,073	22,490	21,689		
Net investment income		(2,357,293)	6,666,790	4,380,371		
Benefit payments		(2,091,063)	(1,978,593)	(1,875,007)		
Refunds		(5,108)	(3,146)	(4,356)		
Administrative expense		(13,194)	(12,691)	(12,402)		
Net transfers with affiliated systems		_	_	_		
Net change in plan fiduciary net position		(2,978,218)	6,056,356	3,797,824		
Plan fiduciary net position — beginning		45,052,735	38,996,379	35,198,555		
Plan fiduciary net position — ending (b)		42,074,517	45,052,735	38,996,379		
Net pension liability/(asset) — ending (a-b)	\$	2,699,198	(2,247,705)	1,383,418		
Plan fiduciary net position as a percentage of the total pension liability		94.0%	105.3%	96.6%		
Projected covered payroll	\$	6,201,485	5,884,887	5,609,104		
Net pension liability/(asset) as a percentage of covered payroll		43.5%	(38.2)%	24.7%		

Total	ΔΙΙ	Retirement Systems

						•
2019	2018	2017	2016	2015	2014	2013
670,791	642,590	616,373	604,021	567,368	569,382	599,736
2,513,006	2,417,385	2,355,253	2,210,400	2,219,616	2,121,357	2,056,481
2,537	_	_	3,343	_	_	23,718
271,987	24,714	(120,133)	(2,890)	(233,574)	(269,582)	(276,487)
_	_	835,063	734,391	_	(236,578)	_
(1,764,328)	(1,670,644)	(1,575,533)	(1,497,989)	(1,423,762)	(1,325,556)	(1,242,156)
(6,118)	(4,797)	(6,985)	(6,715)	(4,772)	(5,129)	(4,949)
1,687,875	1,409,248	2,104,038	2,044,561	1,124,876	853,894	1,156,343
36,708,181	35,298,933	33,194,895	31,150,334	30,025,458	29,171,564	28,015,221
38,396,056	36,708,181	35,298,933	33,194,895	31,150,334	30,025,458	29,171,564
33,237	36,312	39,213	39,287	40,871	38,500	40,167
1,198,341	1,139,051	1,112,998	1,073,225	1,035,724	974,178	889,481
43,395	10,265	2,700	12,039	18,871	15,640	12,783
4,446,363	(116,768)	3,773,910	2,248,696	461,772	1,786,431	3,260,548
(1,764,328)	(1,670,644)	(1,575,533)	(1,497,989)	(1,423,762)	(1,325,556)	(1,242,156)
(6,118)	(4,797)	(6,985)	(6,715)	(4,772)	(5,129)	(4,949)
(11,857)	(12,515)	(12,001)	(11,067)	(10,988)	(11,012)	(10,401)
_	_	_	_	_	_	
3,939,033	(619,096)	3,334,302	1,857,476	117,716	1,473,052	2,945,473
31,259,522	31,878,618	28,544,316	26,686,840	26,569,124	25,096,072	22,150,599
35,198,555	31,259,522	31,878,618	28,544,316	26,686,840	26,569,124	25,096,072
3,197,501	5,448,659	3,420,315	4,650,579	4,463,494	3,456,334	4,075,492
91.7%	85.2%	90.3%	86.0%	85.7%	88.5%	86.0%
5,373,167	5,146,312	4,998,694	4,839,495	4,714,627	4,678,491	4,669,560
59.5%	105.9%	68.4%	96.1%	94.7%	73.9%	87.3%