

Utah Retirement Systems
Required Supplementary Information (Continued)

Schedules of Employers' Net Pension Liability

(dollars in thousands)

System	Date	(1) Total Pension Liability	(2) Plan Fiduciary Net Position	(3) Employers Net Pension Liability/ (Asset)	(4) Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	(5) Projected Covered Payroll	(6) Net Pension Liability/ (Asset) as a Percentage of Covered Payroll
Noncontributory Retirement System	12/31/13	\$ 23,344,325	19,915,815	3,428,510	85.3%	\$ 3,705,771	92.5%
	12/31/14	24,043,264	21,096,512	2,946,752	87.7	3,570,912	82.5
	12/31/15	24,899,572	21,192,437	3,707,135	85.1	3,458,286	107.2
	12/31/16	26,501,781	22,618,743	3,883,038	85.3	3,406,567	114.0
	12/31/17	28,088,619	25,205,127	2,883,492	89.7	3,375,321	85.4
	12/31/18	29,122,948	24,666,059	4,456,889	84.7	3,330,548	133.8
	12/31/19	30,351,815	27,635,923	2,715,892	91.1	3,328,314	81.6
	12/31/20	31,763,859	30,478,072	1,285,787	96.0	3,306,382	38.9
	12/31/21	33,566,790	35,068,535	(1,501,745)	104.5	3,361,940	(44.7)
	12/31/22	34,931,362	32,602,563	2,328,799	93.3	3,360,198	69.3
Contributory Retirement System	12/31/13	\$ 1,312,921	1,281,945	30,976	97.6%	\$ 98,023	31.6%
	12/31/14	1,309,800	1,269,991	39,809	97.0	90,623	43.9
	12/31/15	1,316,041	1,183,091	132,950	89.9	82,426	161.3
	12/31/16	1,292,512	1,204,904	87,608	93.2	53,615	163.4
	12/31/17	1,298,183	1,283,466	14,717	98.9	45,177	32.6
	12/31/18	1,284,009	1,172,429	111,580	91.3	39,279	284.1
	12/31/19	1,270,111	1,262,292	7,819	99.4	34,317	22.8
	12/31/20	1,272,690	1,335,639	(62,949)	104.9	30,748	(204.7)
	12/31/21	1,256,624	1,447,237	(190,613)	115.2	26,782	(711.7)
	12/31/22	1,238,805	1,216,375	22,430	98.2	26,521	84.6
Public Safety Retirement System	12/31/13	\$ 3,269,140	2,712,184	556,956	83.0%	\$ 365,998	152.2%
	12/31/14	3,360,027	2,899,386	460,641	86.3	360,750	127.7
	12/31/15	3,511,275	2,938,839	572,436	83.7	355,171	161.2
	12/31/16	3,794,880	3,176,545	618,335	83.7	352,407	175.5
	12/31/17	4,085,203	3,576,517	508,686	87.5	350,782	145.0
	12/31/18	4,258,247	3,528,069	730,178	82.9	348,475	209.5
	12/31/19	4,460,415	3,984,186	476,229	89.3	339,705	140.2
	12/31/20	4,694,184	4,422,517	271,667	94.2	338,919	80.2
	12/31/21	4,925,534	5,105,393	(179,859)	103.7	325,616	(55.2)
	12/31/22	5,115,440	4,769,175	346,265	93.2	313,938	110.3
Firefighters Retirement System	12/31/13	\$ 999,024	968,661	30,363	97.0%	\$ 110,741	27.4%
	12/31/14	1,014,328	1,031,039	(16,711)	101.6	111,305	(15.0)
	12/31/15	1,058,264	1,043,059	15,205	98.6	111,133	13.7
	12/31/16	1,129,729	1,115,726	14,003	98.8	112,322	12.5
	12/31/17	1,205,727	1,234,407	(28,680)	102.4	112,953	(25.4)
	12/31/18	1,261,289	1,207,889	53,400	95.8	113,587	47.0
	12/31/19	1,316,620	1,391,553	(74,933)	105.7	113,330	(66.1)
	12/31/20	1,388,497	1,551,194	(162,697)	111.7	114,458	(142.1)
	12/31/21	1,470,649	1,799,463	(328,814)	122.4	114,635	(286.8)
	12/31/22	1,533,404	1,685,243	(151,839)	109.9	114,702	(132.4)
Judges Retirement System	12/31/13	\$ 182,638	155,676	26,962	85.2%	\$ 15,195	177.4%
	12/31/14	192,285	163,834	28,451	85.2	16,072	177.0
	12/31/15	198,986	163,747	35,239	82.3	15,832	222.6
	12/31/16	210,623	175,618	35,005	83.4	16,755	208.9
	12/31/17	231,069	198,483	32,586	85.9	18,661	174.6
	12/31/18	244,209	195,570	48,639	80.1	18,802	258.7
	12/31/19	259,181	220,293	38,888	85.0	19,596	198.4
	12/31/20	271,116	244,133	26,983	90.0	20,071	134.4
	12/31/21	282,957	282,030	927	99.7	20,801	4.5
	12/31/22	297,575	262,307	35,268	88.1	21,202	166.3

Utah Retirement Systems
Required Supplementary Information (Continued)

Schedule of Employers' Net Pension Liability (Concluded)

Year Ended December 31

(dollars in thousands)

System	Date	(1) Total Pension Liability	(2) Plan Fiduciary Net Position	(3) Employers Net Pension Liability/ (Asset)	(4) Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	(5) Projected Covered Payroll	(6) Net Pension Liability/ (Asset) as a Percentage of Covered Payroll
Utah Governors and Legislators Retirement Plan	12/31/13	\$ 11,879	10,166	1,713	85.6%	\$ 390	439.2%
	12/31/14	12,267	10,366	1,901	84.5	928	204.8
	12/31/15	12,247	10,039	2,208	82.0	943	234.1
	12/31/16	12,654	10,352	2,302	81.8	799	288.1
	12/31/17	13,074	11,220	1,854	85.8	722	256.6
	12/31/18	13,177	10,537	2,640	80.0	639	413.1
	12/31/19	13,053	11,344	1,709	86.9	639	267.4
	12/31/20	13,330	12,055	1,275	90.4	757	168.4
	12/31/21	13,202	13,425	(223)	101.7	719	(31.0)
	12/31/22	13,166	12,122	1,044	92.1	564	185.1
Tier 2 Public Employees Contributory Retirement System	12/31/13	\$ 48,292	47,690	602	98.8%	\$ 353,227	0.2%
	12/31/14	86,261	89,291	(3,030)	103.5	492,882	(0.6)
	12/31/15	140,321	140,539	(218)	100.2	637,560	0.0
	12/31/16	228,450	217,293	11,157	95.1	822,196	1.4
	12/31/17	338,035	329,218	8,817	97.4	996,965	0.9
	12/31/18	467,461	424,633	42,828	90.8	1,171,543	3.7
	12/31/19	634,074	611,583	22,491	96.5	1,380,488	1.6
	12/31/20	846,868	832,485	14,383	98.3	1,609,102	0.9
	12/31/21	1,111,694	1,154,018	(42,324)	103.8	1,810,502	(2.3)
	12/31/22	1,412,220	1,303,331	108,889	92.3	2,099,223	5.2
Tier 2 Public Safety and Firefighter Contributory Retirement System	12/31/13	\$ 3,345	3,935	(590)	117.6%	\$ 20,215	(2.9)%
	12/31/14	7,226	8,705	(1,479)	120.5	35,019	(4.2)
	12/31/15	13,628	15,089	(1,461)	110.7	53,276	(2.7)
	12/31/16	24,266	25,135	(869)	103.6	74,834	(1.2)
	12/31/17	39,023	40,180	(1,157)	103.0	98,113	(1.2)
	12/31/18	56,841	54,336	2,505	95.6	123,439	2.0
	12/31/19	90,787	81,381	9,406	89.6	156,778	6.0
	12/31/20	129,253	120,284	8,969	93.1	188,667	4.8
	12/31/21	177,580	182,634	(5,054)	102.8	223,892	(2.3)
	12/31/22	231,743	223,401	8,342	96.4	265,137	3.1
All Retirement Systems	12/31/13	\$ 29,171,564	25,096,072	4,075,492	86.0%	\$ 4,669,560	87.3%
	12/31/14	30,025,458	26,569,124	3,456,334	88.5	4,679,491	73.9
	12/31/15	31,150,334	26,686,840	4,463,494	85.7	4,714,627	94.7
	12/31/16	33,194,895	28,544,316	4,650,579	86.0	4,839,495	96.1
	12/31/17	35,298,933	31,878,618	3,420,315	90.3	4,998,694	68.4
	12/31/18	36,708,181	31,259,522	5,448,659	85.2	5,146,312	105.9
	12/31/19	38,396,056	35,198,555	3,197,501	91.7	5,373,167	59.5
	12/31/20	40,379,797	38,996,379	1,383,418	96.6	5,609,104	24.7
	12/31/21	42,805,030	45,052,735	(2,247,705)	105.3	5,896,080	(38.1)
	12/31/22	44,773,715	42,074,517	2,699,198	94.0	6,201,485	43.5