Schedules of Employers' Net Pension Liability

Retirement 12/31/14 24,043,264 21,096,512 2,946,752 87.7 3,570,912 82.5 System 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 12/31/18 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 Contributory 12/31/13 \$ 1,312,921 1,281,945 30,976 97.6% \$ 98,023 31.69 Retirement 12/31/14 1,309,800 1,269,991 39,809 97.0 90,623 43.9 System 12/31/15 1,316,041 1,183,091 132,950 89.9 82,426 161.3 12/31/17 1,298,183 1,284,009 1,712,429 111,580 91.3 39,279 284.1 Public Safety 12/31/13 \$ 3,269,140 2,71	System	(dollars i	n thousands) (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 Plan Liability	(5) Projected Covered Payroll	(6) Net Pension Liability/ (Asset) as a Percentage of Covered Payroll
System 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 12/31/19 30,351,815 27,635,923 2,715,892 91.1 3,330,548 133.8 12/31/19 30,351,815 27,635,923 2,715,892 91.1 3,328,314 81.6 Contributory 12/31/14 1,309,800 1,269,991 39,809 97.0 90,623 43.9 System 12/31/16 1,292,512 1,204,904 87,608 93.2 53,615 163.4 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 89.9 45,177 32.6 12/31/18 1,284,009 1,172,429 111,580 91.3 39,279 284.1	Noncontributory	12/31/13	\$ 23,344,325	19,915,815	3,428,510	85.3%	\$3,705,771	92.5%
12/31/16	Retirement	12/31/14	24,043,264	21,096,512	2,946,752	87.7	3,570,912	82.5
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	System	12/31/15	24,899,572	21,192,437	3,707,135	85.1	3,458,286	107.2
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		12/31/16	26,501,781	22,618,743	3,883,038	85.3	3,406,567	114.0
12/31/19 30,351,815 27,635,923 2,715,892 91.1 3,328,314 81.6		12/31/17	28,088,619	25,205,127	2,883,492	89.7	3,375,321	85.4
Contributory 12/31/13 \$ 1,312,921 1,281,945 30,976 97.6% \$ 98,023 31.69 Retirement 12/31/14 1,309,800 1,269,991 39,809 97.0 90,623 43.9 System 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 Public Safety 12/31/13 \$ 3,269,140 2,712,184 556,956 83.0% \$ 365,998 152,29 Retirement 12/31/14 3,360,027 2,899,386 460,641 86.3 360,750 127.7 System 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 12/31/19 4,460,415 3,984,186 476,229 89.3 339,705 140.2 Firefighters 12/31/13 \$ 999,024 968,661 30,363 97.0% \$ 110,741 27.49 Retirement 12/31/14 1,014,328 1,031,039 (16,711) 101.6 111,305 (15.0) System 12/31/15 1,058,264 1,043,059 15,205 98.6 111,133 13.7 12/31/17 1,205,727 1,234,407 (28,680) 102.4 112,953 (25.4) 12/31/19 1,316,620 1,391,553 (74,933) 105.7 113,330 (66.1) Judges 12/31/13 \$ 182,638 155,676 26,962 85.2% \$ 15,195 177.49 Retirement 12/31/14 192,285 163,834 28,451 85.2 16,072 177.0 System 12/31/15 1,98,86 163,747 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 59,500 12/31/17 231,069 198,483 32,586 85.9 18,661 174.6 12/31/17 231,069 198,483 32,586 85.9 18,661 174.6 12/31/17 231,069 198,483 32,586 85.9 18,661 174.6		12/31/18	29,122,948	24,666,059	4,456,889	84.7	3,330,548	133.8
Retirement 12/31/14 1,309,800 1,269,991 39,809 97.0 90,623 43.9 System 12/31/15 1,316,041 1,183,091 132,950 89.9 82,426 161.3 12/31/16 1,292,512 1,204,004 87,608 93.2 53,615 163.4 12/31/18 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 Public Safety 12/31/19 1,270,111 1,262,292 7,819 99.4 34,317 22.8 Retirement 12/31/14 3,360,027 2,899,386 460,641 86.3 360,750 127.7 System 12/31/16 3,794,880 3,176,545 618,335 83.7 355,171 161.2 System 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 82.9 348,4		12/31/19	30,351,815	27,635,923	2,715,892	91.1	3,328,314	81.6
System 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 Public Safety 12/31/13 \$ 3,269,140 2,712,184 556,956 83.0% \$ 365,998 152,29 Retirement 12/31/14 3,360,027 2,899,386 460,641 86.3 360,750 127.7 System 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 83.7 355,407 175.5 12/31/18 4,258,247 3,528,069 730,178 82.9 348,475 209.5	Contributory	12/31/13	\$ 1,312,921	1,281,945	30,976	97.6%	\$ 98,023	31.6%
12/31/16	Retirement	12/31/14	1,309,800	1,269,991	39,809	97.0	90,623	43.9
12/31/17	System	12/31/15	1,316,041	1,183,091	132,950	89.9	82,426	161.3
12/31/18		12/31/16	1,292,512	1,204,904	87,608	93.2	53,615	163.4
Public Safety 12/31/19 1,270,111 1,262,292 7,819 99.4 34,317 22.8 Public Safety 12/31/13 \$ 3,269,140 2,712,184 556,956 83.0% \$ 365,998 152.29 Retirement 12/31/14 3,360,027 2,899,386 460,641 86.3 360,750 127.7 System 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 Firefighters 12/31/13 \$ 999,024 968,661 30,363 97.0% \$ 110,741 27.49 Retirement 12/31/14 1,014,328 1,031,039 (16,711) 101.6 111,305 (15.0) System 12/31/16 1,129,729 1,115,726		12/31/17	1,298,183	1,283,466	14,717	98.9	45,177	32.6
Public Safety 12/31/13 \$ 3,269,140 2,712,184 556,956 83.0% \$ 365,998 152.29 Retirement 12/31/14 3,360,027 2,899,386 460,641 86.3 360,750 127.7 System 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 12/31/18 4,258,2247 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 Firefighters 12/31/13 \$ 999,024 968,661 30,363 97.0% \$ 110,741 27.49 Retirement 12/31/14 1,014,328 1,031,039 (16,711) 101.6 111,305 (15.0) System 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) <t< td=""><td>12/31/18</td><td>1,284,009</td><td>1,172,429</td><td>111,580</td><td>91.3</td><td>39,279</td><td>284.1</td></t<>		12/31/18	1,284,009	1,172,429	111,580	91.3	39,279	284.1
Retirement 12/31/14 3,360,027 2,899,386 460,641 86.3 360,750 127.7 System 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 12/31/18 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 Firefighters 12/31/13 \$ 999,024 968,661 30,363 97.0% \$ 110,741 27.49 Retirement 12/31/14 1,014,328 1,031,039 (16,711) 101.6 111,305 (15.0) System 12/31/15 1,058,264 1,043,059 15,205 98.6 111,133 13.7 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		12/31/19	1,270,111	1,262,292	7,819	99.4	34,317	22.8
System 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 Firefighters 12/31/13 \$ 999,024 968,661 30,363 97.0% \$ 110,741 27.49 Retirement 12/31/14 1,014,328 1,031,039 (16,711) 101.6 111,305 (15.0) System 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 12/31/18 1,261,289 1,207,889 53,400 95.8 113,587 47.0	Public Safety	12/31/13	\$ 3,269,140	2,712,184	556,956	83.0%	\$ 365,998	152.2%
12/31/16	Retirement	12/31/14	3,360,027	2,899,386	460,641	86.3	360,750	127.7
12/31/17	System	12/31/15	3,511,275	2,938,839	572,436	83.7	355,171	161.2
12/31/17		12/31/16	3,794,880	3,176,545	618,335	83.7	352,407	175.5
Firefighters 12/31/19 4,460,415 3,984,186 476,229 89.3 339,705 140.2 Firefighters 12/31/13 \$ 999,024 968,661 30,363 97.0% \$ 110,741 27.49 Retirement 12/31/14 1,014,328 1,031,039 (16,711) 101.6 111,305 (15.0) System 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) Judges 12/31/14 192,285 163,834 28,451 85.2 16,072 177.0 System 12/31/15 198,986 163,747 35,239		12/31/17	4,085,203	3,576,517	508,686	87.5	350,782	145.0
Firefighters 12/31/13 \$ 999,024 968,661 30,363 97.0% \$ 110,741 27.49 Retirement 12/31/14 1,014,328 1,031,039 (16,711) 101.6 111,305 (15.0) System 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) Judges 12/31/13 \$ 182,638 155,676 26,962 85.2% \$ 15,195 177.49 Retirement 12/31/14 192,285 163,834 28,451 85.2 16,072 177.0 System 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		12/31/18	4,258,247	3,528,069	730,178	82.9	348,475	209.5
Retirement 12/31/14 1,014,328 1,031,039 (16,711) 101.6 111,305 (15.0) System 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) Judges 12/31/13 182,638 155,676 26,962 85.2% \$ 15,195 177.49 Retirement 12/31/14 192,285 163,834 28,451 85.2 16,072 177.0 System 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<		12/31/19	4,460,415	3,984,186	476,229	89.3	339,705	140.2
System 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) Judges 12/31/13 \$ 182,638 155,676 26,962 85.2% \$ 15,195 177.49 Retirement 12/31/14 192,285 163,834 28,451 85.2 16,072 177.0 System 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 <td< td=""><td>Firefighters</td><td>12/31/13</td><td>\$ 999,024</td><td>968,661</td><td>30,363</td><td>97.0%</td><td>\$ 110,741</td><td>27.4%</td></td<>	Firefighters	12/31/13	\$ 999,024	968,661	30,363	97.0%	\$ 110,741	27.4%
12/31/16	Retirement	12/31/14	1,014,328	1,031,039	(16,711)	101.6	111,305	(15.0)
12/31/17	System	12/31/15	1,058,264	1,043,059	15,205	98.6	111,133	13.7
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) Judges 12/31/13 \$ 182,638 155,676 26,962 85.2% \$ 15,195 177.49 Retirement 12/31/14 192,285 163,834 28,451 85.2 16,072 177.0 System 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		12/31/16	1,129,729	1,115,726	14,003	98.8	112,322	12.5
Judges 12/31/19 1,316,620 1,391,553 (74,933) 105.7 113,330 (66.1) Judges 12/31/13 \$ 182,638 155,676 26,962 85.2% \$ 15,195 177.49 Retirement 12/31/14 192,285 163,834 28,451 85.2 16,072 177.0 System 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		12/31/17	1,205,727	1,234,407	(28,680)	102.4	112,953	(25.4)
Judges 12/31/19 1,316,620 1,391,553 (74,933) 105.7 113,330 (66.1) Judges 12/31/13 \$ 182,638 155,676 26,962 85.2% \$ 15,195 177.49 Retirement 12/31/14 192,285 163,834 28,451 85.2 16,072 177.0 System 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		12/31/18	1,261,289	1,207,889	53,400	95.8	113,587	47.0
Retirement 12/31/14 192,285 163,834 28,451 85.2 16,072 177.0 System 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	1,316,620	1,391,553	(74,933)	105.7	113,330	(66.1)
System 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	Judges	12/31/13	\$ 182,638	155,676	26,962	85.2%	\$ 15,195	177.4%
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	Retirement	12/31/14	192,285	163,834	28,451	85.2	16,072	177.0
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	System	12/31/15	198,986	163,747	35,239	82.3	15,832	222.6
12/31/18 244,209 195,570 48,639 80.1 18,802 258.7		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
12/31/19 259,181 220,293 38,888 85.0 19,596 198.4		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

Schedule is intended to show information for 10 years. Additional years will be displayed as they become available.

Utah Retirement Systems

Required Supplementary Information (Continued)

Schedules of Employers' Net Pension Liability (Concluded)

System	(dollars in Date	n th	o u s a n d s) (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 Plan Liability		(5) Projected Covered Payroll	(6) Net Pension Liability/ (Asset) as a Percentage of Covered Payroll
Utah Governors	12/31/13	\$	11,879	10,166	1,713	85.6%	\$	390	439.2%
and Legislative	12/31/14		12,267	10,366	1,901	84.5		928	204.8
Retirement Plan	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
Tier 2 Public	12/31/13	\$	48,292	47,690	602	98.8%	\$	353,227	0.2%
Employees	12/31/14		86,261	89,291	(3,030)	103.5		492,882	(0.6)
Retirement	12/31/15		140,321	140,539	(218)	100.2		637,560	(0.0)
System	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
Tier 2 Public Safety	12/31/13	\$	3,345	3,935	(590)	117.6%	\$	20,215	(2.9)%
and Firefighter	12/31/14		7,226	8,705	(1,479)	120.5		35,019	(4.2)
Retirement	12/31/15		13,628	15,089	(1,461)	110.7		53,276	(2.7)
System	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
All Retirement	12/31/13	\$ 2	9,171,564	25,096,072	4,075,492	86.0%	\$4	4,669,560	87.3%
Systems	12/31/14	3	0,025,458	26,569,124	3,456,334	88.5	4	4,679,491	73.9
	12/31/15	3	1,150,334	26,686,840	4,463,494	85.7		4,714,627	94.7
	12/31/16	3	3,194,895	28,544,316	4,650,579	86.0		4,839,495	96.1
	12/31/17	3	5,298,933	31,878,618	3,420,315	90.3		4,998,694	68.4
	12/31/18	3	6,708,181	31,259,522	5,448,659	85.2		5,146,312	105.9
	12/31/19	3	8,396,056	35,198,555	3,197,501	91.7	Ĺ	5,373,167	59.5

Schedule is intended to show information for 10 years. Additional years will be displayed as they become available.