

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

<i>Actuarial Equivalency Factor Table</i>	<i>Tier 1 / Tier 2</i>		<i>OPSRP</i>	
	<i>Healthy</i>	<i>Disabled</i>	<i>Healthy</i>	<i>Disabled</i>
Early Retirement Reduction Factors	Table 1	N/A	Table 1	N/A
Refund Annuity Conversion Factors (Option 0)	Table 2a	Table 2b	N/A	N/A
Non-Refund Life Annuity Conversion Factors (Option 1)	Table 3a	Table 3b	N/A	N/A
15-Year Certain and Life Annuity Conversion Factors (Option 4)	Table 4a	Table 4b	N/A	N/A
Option 4 death benefit (conversion of remaining benefit to a lump sum)	Table 5	Table 5	N/A	N/A
100% Joint & Survivor Factors (Option 2)	Table 6a	Table 6b	Table 6a	N/A
50% Joint & Survivor Factors (Option 3)	Table 7a	Table 7b	Table 7a	N/A
100% Joint & Survivor Factors with popup (Option 2A)	Table 8a	Table 8b	Table 8a	N/A
50% Joint & Survivor Factors with popup (Option 3A)	Table 9a	Table 9b	Table 9a	N/A
Police & Fire Additional Unit Benefits - After Age 60	Table 10	Table 10	N/A	N/A
Police & Fire Additional Unit Benefits - Before Age 60	Table 11	Table 11	N/A	N/A
Police & Fire Additional Unit Benefits by Payroll Deductions	Table 12	Table 12	N/A	N/A
Full Cost factors for Purchasing Service - Factor 1	Table 13a	Table 13b	N/A	N/A
Full Cost factors for Purchasing Service - Factor 2	Table 14	Table 14	N/A	N/A
Full Cost factors for Purchasing Service - Factor 3	Table 15	Table 15	N/A	N/A
Full Cost factors for Purchasing Service - Factor 4	Table 16	Table 16	N/A	N/A
Full Cost factors for Purchasing Service - Factor 5	Table 17a	Table 17b	N/A	N/A
Lump Sum Cash Out Factors Prior to Early Retirement Eligibility - General Service	N/A	N/A	Table 18	Not Provided
Lump Sum Cash Out Factors Prior to Early Retirement Eligibility - Police & Fire	N/A	N/A	Table 19	Not Provided
Lump Sum Cash Out Factors at or after Early Retirement Age	N/A	N/A	Table 20	Not Provided
Lump Sum Cash Out Factors for Beneficiaries	N/A	N/A	Table 21	N/A
Conversion to Monthly Spouse Benefit at Later of Member's Death or Earliest Retirement Age	N/A	N/A	Table 22	Table 22
Conversion to Monthly Spouse Benefit at Commencement Date	N/A	N/A	Table 23	Table 23

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Projected Value of Contributions and Account Balances - Healthy and Disabled Members
 (Assumes an Annual Interest Credit of 8.00% per year)

Years to Retire	Amount at Retirement		Years to Retire	Amount at Retirement	
	\$1 per Yr. to Retirement	\$1 Current Balance		\$1 per Yr. to Retirement	\$1 Current Balance
1	1.08	1.08	21	54.46	5.03
2	2.25	1.17	22	59.89	5.44
3	3.51	1.26	23	65.76	5.87
4	4.87	1.36	24	72.11	6.34
5	6.34	1.47	25	78.95	6.85
6	7.92	1.59	26	86.35	7.40
7	9.64	1.71	27	94.34	7.99
8	11.49	1.85	28	102.97	8.63
9	13.49	2.00	29	112.28	9.32
10	15.65	2.16	30	122.35	10.06
11	17.98	2.33	31	133.21	10.87
12	20.50	2.52	32	144.95	11.74
13	23.21	2.72	33	157.63	12.68
14	26.15	2.94	34	171.32	13.69
15	29.32	3.17	35	186.10	14.79
16	32.75	3.43	36	202.07	15.97
17	36.45	3.70	37	219.32	17.25
18	40.45	4.00	38	237.94	18.63
19	44.76	4.32	39	258.06	20.12
20	49.42	4.66	40	279.78	21.72

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
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Average Life Expectancy of Healthy Retired Members
 (Based on the Experience of Retired PERS Members)

Current Age	Weighted Average	State and Local Government Members				School District Members	
		General Service		Police & Fire		Male	Female
		Male	Female	Male	Female		
50	35.7	34.7	35.6	34.1	35.6	35.6	37.4
51	34.7	33.6	34.6	33.1	34.6	34.6	36.4
52	33.7	32.6	33.6	32.0	33.6	33.5	35.4
53	32.7	31.6	32.6	31.0	32.6	32.5	34.4
54	31.7	30.6	31.7	30.0	31.7	31.5	33.4
55	30.7	29.6	30.7	29.0	30.7	30.5	32.5
56	29.7	28.5	29.7	28.0	29.7	29.5	31.5
57	28.7	27.6	28.7	27.0	28.7	28.5	30.5
58	27.7	26.6	27.8	26.0	27.8	27.5	29.5
59	26.8	25.6	26.8	25.0	26.8	26.5	28.6
60	25.8	24.6	25.9	24.1	25.9	25.5	27.6
61	24.8	23.6	25.0	23.1	25.0	24.5	26.7
62	23.9	22.7	24.0	22.2	24.0	23.6	25.7
63	23.0	21.8	23.1	21.2	23.1	22.6	24.8
64	22.1	20.8	22.3	20.3	22.3	21.7	23.9
65	21.2	19.9	21.4	19.5	21.4	20.8	23.0
66	20.3	19.1	20.5	18.6	20.5	19.9	22.1
67	19.4	18.2	19.7	17.7	19.7	19.0	21.2
68	18.6	17.3	18.9	16.9	18.9	18.1	20.4
69	17.8	16.5	18.0	16.1	18.0	17.3	19.5
70	16.9	15.7	17.2	15.3	17.2	16.4	18.7
71	16.1	14.9	16.5	14.5	16.5	15.6	17.9
72	15.4	14.1	15.7	13.8	15.7	14.8	17.1
73	14.6	13.3	15.0	13.0	15.0	14.0	16.3
74	13.8	12.6	14.2	12.3	14.2	13.3	15.5
75	13.1	11.8	13.5	11.6	13.5	12.5	14.8
76	12.4	11.1	12.8	10.9	12.8	11.8	14.1
77	11.7	10.4	12.1	10.2	12.1	11.1	13.3
78	11.0	9.8	11.5	9.6	11.5	10.4	12.6
79	10.4	9.1	10.8	9.0	10.8	9.7	12.0
80	9.8	8.5	10.2	8.4	10.2	9.1	11.3

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
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Average Life Expectancy of Disabled Retired Members
 (Based on the Experience of Retired PERS Members)

Current Age	Weighted Average	Disabled	
		Male	Female
50	23.7	22.6	24.6
51	23.2	22.1	24.2
52	22.7	21.6	23.7
53	22.2	21.1	23.2
54	21.7	20.6	22.8
55	21.2	20.0	22.3
56	20.7	19.5	21.8
57	20.2	18.9	21.3
58	19.6	18.3	20.7
59	19.1	17.8	20.2
60	18.5	17.1	19.7
61	17.9	16.5	19.1
62	17.3	15.9	18.5
63	16.7	15.3	17.9
64	16.0	14.6	17.3
65	15.4	13.9	16.7
66	14.7	13.2	16.1
67	14.1	12.5	15.5
68	13.4	11.9	14.8
69	12.8	11.2	14.1
70	12.1	10.6	13.4
71	11.5	10.0	12.8
72	10.9	9.4	12.1
73	10.3	8.9	11.5
74	9.7	8.3	10.9
75	9.1	7.8	10.3
76	8.6	7.3	9.7
77	8.0	6.8	9.2
78	7.5	6.4	8.6
79	7.1	5.9	8.1
80	6.6	5.5	7.6

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 1: Early Retirement Factors

Age at Retirement Years Months		Tier 1 / Tier 2						OPSRP				
		General Service		P&F				General Service		P&F		
		Less than 30 years		30+ years	Less than 25 years		25+ years	30+ years	Less than 30 years	30+ years	Less than 25 years	25+ years
		Tier 1	Tier 2									
Less than 50		N/A	N/A	1.000	N/A	N/A	1.000	N/A	N/A	N/A	N/A	
50	0	N/A	N/A	1.000	0.600	1.000	1.000	0.225	0.450	0.350	0.760	
	1			1.000	0.607	1.000	1.000	0.227	0.454	0.354	0.767	
	2			1.000	0.613	1.000	1.000	0.229	0.458	0.358	0.773	
	3			1.000	0.620	1.000	1.000	0.231	0.462	0.362	0.780	
	4			1.000	0.627	1.000	1.000	0.233	0.467	0.367	0.787	
	5			1.000	0.633	1.000	1.000	0.235	0.471	0.371	0.793	
	6			1.000	0.640	1.000	1.000	0.237	0.475	0.375	0.800	
	7			1.000	0.647	1.000	1.000	0.240	0.479	0.379	0.807	
	8			1.000	0.653	1.000	1.000	0.242	0.483	0.383	0.813	
	9			1.000	0.660	1.000	1.000	0.244	0.487	0.387	0.820	
	10			1.000	0.667	1.000	1.000	0.246	0.492	0.392	0.827	
	11			1.000	0.673	1.000	1.000	0.248	0.496	0.396	0.833	
51	0	N/A	N/A	1.000	0.680	1.000	1.000	0.250	0.500	0.400	0.840	
	1			1.000	0.687	1.000	1.000	0.252	0.504	0.404	0.847	
	2			1.000	0.693	1.000	1.000	0.254	0.508	0.408	0.853	
	3			1.000	0.700	1.000	1.000	0.256	0.512	0.412	0.860	
	4			1.000	0.707	1.000	1.000	0.258	0.517	0.417	0.867	
	5			1.000	0.713	1.000	1.000	0.260	0.521	0.421	0.873	
	6			1.000	0.720	1.000	1.000	0.262	0.525	0.425	0.880	
	7			1.000	0.727	1.000	1.000	0.265	0.529	0.429	0.887	
	8			1.000	0.733	1.000	1.000	0.267	0.533	0.433	0.893	
	9			1.000	0.740	1.000	1.000	0.269	0.537	0.437	0.900	
	10			1.000	0.747	1.000	1.000	0.271	0.542	0.442	0.907	
	11			1.000	0.753	1.000	1.000	0.273	0.546	0.446	0.913	
52	0	N/A	N/A	1.000	0.760	1.000	1.000	0.275	0.550	0.450	0.920	
	1			1.000	0.767	1.000	1.000	0.277	0.554	0.454	0.927	
	2			1.000	0.773	1.000	1.000	0.279	0.558	0.458	0.933	
	3			1.000	0.780	1.000	1.000	0.281	0.562	0.462	0.940	
	4			1.000	0.787	1.000	1.000	0.283	0.567	0.467	0.947	
	5			1.000	0.793	1.000	1.000	0.285	0.571	0.471	0.953	
	6			1.000	0.800	1.000	1.000	0.287	0.575	0.475	0.960	
	7			1.000	0.807	1.000	1.000	0.290	0.579	0.479	0.967	
	8			1.000	0.813	1.000	1.000	0.292	0.583	0.483	0.973	
	9			1.000	0.820	1.000	1.000	0.294	0.587	0.487	0.980	
	10			1.000	0.827	1.000	1.000	0.296	0.592	0.492	0.987	
	11			1.000	0.833	1.000	1.000	0.298	0.596	0.496	0.993	
53	0	N/A	N/A	1.000	0.840	1.000	1.000	0.300	0.600	0.500	1.000	
	1			1.000	0.847	1.000	1.000	0.302	0.607	0.504	1.000	
	2			1.000	0.853	1.000	1.000	0.304	0.613	0.508	1.000	
	3			1.000	0.860	1.000	1.000	0.306	0.620	0.512	1.000	
	4			1.000	0.867	1.000	1.000	0.308	0.627	0.517	1.000	
	5			1.000	0.873	1.000	1.000	0.310	0.633	0.521	1.000	
	6			1.000	0.880	1.000	1.000	0.312	0.640	0.525	1.000	
	7			1.000	0.887	1.000	1.000	0.315	0.647	0.529	1.000	
	8			1.000	0.893	1.000	1.000	0.317	0.653	0.533	1.000	
	9			1.000	0.900	1.000	1.000	0.319	0.660	0.537	1.000	
	10			1.000	0.907	1.000	1.000	0.321	0.667	0.542	1.000	
	11			1.000	0.913	1.000	1.000	0.323	0.673	0.546	1.000	
54	0	N/A	N/A	1.000	0.920	1.000	1.000	0.325	0.680	0.550	1.000	
	1			1.000	0.927	1.000	1.000	0.327	0.687	0.554	1.000	
	2			1.000	0.933	1.000	1.000	0.329	0.693	0.558	1.000	
	3			1.000	0.940	1.000	1.000	0.331	0.700	0.562	1.000	
	4			1.000	0.947	1.000	1.000	0.333	0.707	0.567	1.000	
	5			1.000	0.953	1.000	1.000	0.335	0.713	0.571	1.000	
	6			1.000	0.960	1.000	1.000	0.337	0.720	0.575	1.000	
	7			1.000	0.967	1.000	1.000	0.340	0.727	0.579	1.000	
	8			1.000	0.973	1.000	1.000	0.342	0.733	0.583	1.000	
	9			1.000	0.980	1.000	1.000	0.344	0.740	0.587	1.000	
	10			1.000	0.987	1.000	1.000	0.346	0.747	0.592	1.000	
	11			1.000	0.993	1.000	1.000	0.348	0.753	0.596	1.000	

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		General Service			P&F			General Service		P&F		
		Less than 30 years		30+ years	Less than 25 years		25+ years	30+ years	Less than 30 years	30+ years	Less than 25 years	25+ years
		Tier 1	Tier 2									
55	0	0.760	0.600	1.000	1.000	1.000	1.000	0.350	0.760	0.600	1.000	
	1	0.767	0.607	1.000	1.000	1.000	1.000	0.354	0.767	0.607	1.000	
	2	0.773	0.613	1.000	1.000	1.000	1.000	0.358	0.773	0.613	1.000	
	3	0.780	0.620	1.000	1.000	1.000	1.000	0.362	0.780	0.620	1.000	
	4	0.787	0.627	1.000	1.000	1.000	1.000	0.367	0.787	0.627	1.000	
	5	0.793	0.633	1.000	1.000	1.000	1.000	0.371	0.793	0.633	1.000	
	6	0.800	0.640	1.000	1.000	1.000	1.000	0.375	0.800	0.640	1.000	
	7	0.807	0.647	1.000	1.000	1.000	1.000	0.379	0.807	0.647	1.000	
	8	0.813	0.653	1.000	1.000	1.000	1.000	0.383	0.813	0.653	1.000	
	9	0.820	0.660	1.000	1.000	1.000	1.000	0.387	0.820	0.660	1.000	
	10	0.827	0.667	1.000	1.000	1.000	1.000	0.392	0.827	0.667	1.000	
	11	0.833	0.673	1.000	1.000	1.000	1.000	0.396	0.833	0.673	1.000	
56	0	0.840	0.680	1.000	1.000	1.000	1.000	0.400	0.840	0.680	1.000	
	1	0.847	0.687	1.000	1.000	1.000	1.000	0.404	0.847	0.687	1.000	
	2	0.853	0.693	1.000	1.000	1.000	1.000	0.408	0.853	0.693	1.000	
	3	0.860	0.700	1.000	1.000	1.000	1.000	0.412	0.860	0.700	1.000	
	4	0.867	0.707	1.000	1.000	1.000	1.000	0.417	0.867	0.707	1.000	
	5	0.873	0.713	1.000	1.000	1.000	1.000	0.421	0.873	0.713	1.000	
	6	0.880	0.720	1.000	1.000	1.000	1.000	0.425	0.880	0.720	1.000	
	7	0.887	0.727	1.000	1.000	1.000	1.000	0.429	0.887	0.727	1.000	
	8	0.893	0.733	1.000	1.000	1.000	1.000	0.433	0.893	0.733	1.000	
	9	0.900	0.740	1.000	1.000	1.000	1.000	0.437	0.900	0.740	1.000	
	10	0.907	0.747	1.000	1.000	1.000	1.000	0.442	0.907	0.747	1.000	
	11	0.913	0.753	1.000	1.000	1.000	1.000	0.446	0.913	0.753	1.000	
57	0	0.920	0.760	1.000	1.000	1.000	1.000	0.450	0.920	0.760	1.000	
	1	0.927	0.767	1.000	1.000	1.000	1.000	0.454	0.927	0.767	1.000	
	2	0.933	0.773	1.000	1.000	1.000	1.000	0.458	0.933	0.773	1.000	
	3	0.940	0.780	1.000	1.000	1.000	1.000	0.462	0.940	0.780	1.000	
	4	0.947	0.787	1.000	1.000	1.000	1.000	0.467	0.947	0.787	1.000	
	5	0.953	0.793	1.000	1.000	1.000	1.000	0.471	0.953	0.793	1.000	
	6	0.960	0.800	1.000	1.000	1.000	1.000	0.475	0.960	0.800	1.000	
	7	0.967	0.807	1.000	1.000	1.000	1.000	0.479	0.967	0.807	1.000	
	8	0.973	0.813	1.000	1.000	1.000	1.000	0.483	0.973	0.813	1.000	
	9	0.980	0.820	1.000	1.000	1.000	1.000	0.487	0.980	0.820	1.000	
	10	0.987	0.827	1.000	1.000	1.000	1.000	0.492	0.987	0.827	1.000	
	11	0.993	0.833	1.000	1.000	1.000	1.000	0.496	0.993	0.833	1.000	
58	0	1.000	0.840	1.000	1.000	1.000	1.000	0.500	1.000	0.840	1.000	
	1	1.000	0.847	1.000	1.000	1.000	1.000	0.504	1.000	0.847	1.000	
	2	1.000	0.853	1.000	1.000	1.000	1.000	0.508	1.000	0.853	1.000	
	3	1.000	0.860	1.000	1.000	1.000	1.000	0.512	1.000	0.860	1.000	
	4	1.000	0.867	1.000	1.000	1.000	1.000	0.517	1.000	0.867	1.000	
	5	1.000	0.873	1.000	1.000	1.000	1.000	0.521	1.000	0.873	1.000	
	6	1.000	0.880	1.000	1.000	1.000	1.000	0.525	1.000	0.880	1.000	
	7	1.000	0.887	1.000	1.000	1.000	1.000	0.529	1.000	0.887	1.000	
	8	1.000	0.893	1.000	1.000	1.000	1.000	0.533	1.000	0.893	1.000	
	9	1.000	0.900	1.000	1.000	1.000	1.000	0.537	1.000	0.900	1.000	
	10	1.000	0.907	1.000	1.000	1.000	1.000	0.542	1.000	0.907	1.000	
	11	1.000	0.913	1.000	1.000	1.000	1.000	0.546	1.000	0.913	1.000	
59	0	1.000	0.920	1.000	1.000	1.000	1.000	0.550	1.000	0.920	1.000	
	1	1.000	0.927	1.000	1.000	1.000	1.000	0.554	1.000	0.927	1.000	
	2	1.000	0.933	1.000	1.000	1.000	1.000	0.558	1.000	0.933	1.000	
	3	1.000	0.940	1.000	1.000	1.000	1.000	0.562	1.000	0.940	1.000	
	4	1.000	0.947	1.000	1.000	1.000	1.000	0.567	1.000	0.947	1.000	
	5	1.000	0.953	1.000	1.000	1.000	1.000	0.571	1.000	0.953	1.000	
	6	1.000	0.960	1.000	1.000	1.000	1.000	0.575	1.000	0.960	1.000	
	7	1.000	0.967	1.000	1.000	1.000	1.000	0.579	1.000	0.967	1.000	
	8	1.000	0.973	1.000	1.000	1.000	1.000	0.583	1.000	0.973	1.000	
	9	1.000	0.980	1.000	1.000	1.000	1.000	0.587	1.000	0.980	1.000	
	10	1.000	0.987	1.000	1.000	1.000	1.000	0.592	1.000	0.987	1.000	
	11	1.000	0.993	1.000	1.000	1.000	1.000	0.596	1.000	0.993	1.000	

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 1: Early Retirement Factors

Age at Retirement Years Months		Tier 1 / Tier 2						OPSRP			
		General Service			P&F			General Service		P&F	
		Less than 30 years		30+ years	Less than 25 years	25+ years	30+ years	Less than 30 years	30+ years	Less than 25 years	25+ years
		Tier 1	Tier 2								
60	0	1.000	1.000	1.000	1.000	1.000	1.000	0.600	1.000	1.000	1.000
	1	1.000	1.000	1.000	1.000	1.000	1.000	0.607	1.000	1.000	1.000
	2	1.000	1.000	1.000	1.000	1.000	1.000	0.613	1.000	1.000	1.000
	3	1.000	1.000	1.000	1.000	1.000	1.000	0.620	1.000	1.000	1.000
	4	1.000	1.000	1.000	1.000	1.000	1.000	0.627	1.000	1.000	1.000
	5	1.000	1.000	1.000	1.000	1.000	1.000	0.633	1.000	1.000	1.000
	6	1.000	1.000	1.000	1.000	1.000	1.000	0.640	1.000	1.000	1.000
	7	1.000	1.000	1.000	1.000	1.000	1.000	0.647	1.000	1.000	1.000
	8	1.000	1.000	1.000	1.000	1.000	1.000	0.653	1.000	1.000	1.000
	9	1.000	1.000	1.000	1.000	1.000	1.000	0.660	1.000	1.000	1.000
	10	1.000	1.000	1.000	1.000	1.000	1.000	0.667	1.000	1.000	1.000
	11	1.000	1.000	1.000	1.000	1.000	1.000	0.673	1.000	1.000	1.000
61	0	1.000	1.000	1.000	1.000	1.000	1.000	0.680	1.000	1.000	1.000
	1	1.000	1.000	1.000	1.000	1.000	1.000	0.687	1.000	1.000	1.000
	2	1.000	1.000	1.000	1.000	1.000	1.000	0.693	1.000	1.000	1.000
	3	1.000	1.000	1.000	1.000	1.000	1.000	0.700	1.000	1.000	1.000
	4	1.000	1.000	1.000	1.000	1.000	1.000	0.707	1.000	1.000	1.000
	5	1.000	1.000	1.000	1.000	1.000	1.000	0.713	1.000	1.000	1.000
	6	1.000	1.000	1.000	1.000	1.000	1.000	0.720	1.000	1.000	1.000
	7	1.000	1.000	1.000	1.000	1.000	1.000	0.727	1.000	1.000	1.000
	8	1.000	1.000	1.000	1.000	1.000	1.000	0.733	1.000	1.000	1.000
	9	1.000	1.000	1.000	1.000	1.000	1.000	0.740	1.000	1.000	1.000
	10	1.000	1.000	1.000	1.000	1.000	1.000	0.747	1.000	1.000	1.000
	11	1.000	1.000	1.000	1.000	1.000	1.000	0.753	1.000	1.000	1.000
62	0	1.000	1.000	1.000	1.000	1.000	1.000	0.760	1.000	1.000	1.000
	1	1.000	1.000	1.000	1.000	1.000	1.000	0.767	1.000	1.000	1.000
	2	1.000	1.000	1.000	1.000	1.000	1.000	0.773	1.000	1.000	1.000
	3	1.000	1.000	1.000	1.000	1.000	1.000	0.780	1.000	1.000	1.000
	4	1.000	1.000	1.000	1.000	1.000	1.000	0.787	1.000	1.000	1.000
	5	1.000	1.000	1.000	1.000	1.000	1.000	0.793	1.000	1.000	1.000
	6	1.000	1.000	1.000	1.000	1.000	1.000	0.800	1.000	1.000	1.000
	7	1.000	1.000	1.000	1.000	1.000	1.000	0.807	1.000	1.000	1.000
	8	1.000	1.000	1.000	1.000	1.000	1.000	0.813	1.000	1.000	1.000
	9	1.000	1.000	1.000	1.000	1.000	1.000	0.820	1.000	1.000	1.000
	10	1.000	1.000	1.000	1.000	1.000	1.000	0.827	1.000	1.000	1.000
	11	1.000	1.000	1.000	1.000	1.000	1.000	0.833	1.000	1.000	1.000
63	0	1.000	1.000	1.000	1.000	1.000	1.000	0.840	1.000	1.000	1.000
	1	1.000	1.000	1.000	1.000	1.000	1.000	0.847	1.000	1.000	1.000
	2	1.000	1.000	1.000	1.000	1.000	1.000	0.853	1.000	1.000	1.000
	3	1.000	1.000	1.000	1.000	1.000	1.000	0.860	1.000	1.000	1.000
	4	1.000	1.000	1.000	1.000	1.000	1.000	0.867	1.000	1.000	1.000
	5	1.000	1.000	1.000	1.000	1.000	1.000	0.873	1.000	1.000	1.000
	6	1.000	1.000	1.000	1.000	1.000	1.000	0.880	1.000	1.000	1.000
	7	1.000	1.000	1.000	1.000	1.000	1.000	0.887	1.000	1.000	1.000
	8	1.000	1.000	1.000	1.000	1.000	1.000	0.893	1.000	1.000	1.000
	9	1.000	1.000	1.000	1.000	1.000	1.000	0.900	1.000	1.000	1.000
	10	1.000	1.000	1.000	1.000	1.000	1.000	0.907	1.000	1.000	1.000
	11	1.000	1.000	1.000	1.000	1.000	1.000	0.913	1.000	1.000	1.000
64	0	1.000	1.000	1.000	1.000	1.000	1.000	0.920	1.000	1.000	1.000
	1	1.000	1.000	1.000	1.000	1.000	1.000	0.927	1.000	1.000	1.000
	2	1.000	1.000	1.000	1.000	1.000	1.000	0.933	1.000	1.000	1.000
	3	1.000	1.000	1.000	1.000	1.000	1.000	0.940	1.000	1.000	1.000
	4	1.000	1.000	1.000	1.000	1.000	1.000	0.947	1.000	1.000	1.000
	5	1.000	1.000	1.000	1.000	1.000	1.000	0.953	1.000	1.000	1.000
	6	1.000	1.000	1.000	1.000	1.000	1.000	0.960	1.000	1.000	1.000
	7	1.000	1.000	1.000	1.000	1.000	1.000	0.967	1.000	1.000	1.000
	8	1.000	1.000	1.000	1.000	1.000	1.000	0.973	1.000	1.000	1.000
	9	1.000	1.000	1.000	1.000	1.000	1.000	0.980	1.000	1.000	1.000
	10	1.000	1.000	1.000	1.000	1.000	1.000	0.987	1.000	1.000	1.000
	11	1.000	1.000	1.000	1.000	1.000	1.000	0.993	1.000	1.000	1.000
65	0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 2a: Refund Annuity Conversion Factors - Option 0 - Healthy Members (Tier 1 / Tier 2 only)
 (Amount of Monthly Annuity per \$1,000 of Account Balance)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
15	6.44	6.44	6.44	6.44	6.44	6.44	6.44	6.44	6.44	6.44	6.44	6.44
16	6.44	6.44	6.44	6.44	6.44	6.44	6.45	6.45	6.45	6.45	6.45	6.45
17	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45
18	6.45	6.45	6.45	6.45	6.45	6.45	6.46	6.46	6.46	6.46	6.46	6.46
19	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46
20	6.46	6.46	6.46	6.46	6.46	6.46	6.47	6.47	6.47	6.47	6.47	6.47
21	6.47	6.47	6.47	6.47	6.47	6.47	6.47	6.47	6.47	6.47	6.47	6.47
22	6.47	6.47	6.47	6.47	6.47	6.47	6.48	6.48	6.48	6.48	6.48	6.48
23	6.48	6.48	6.48	6.48	6.48	6.48	6.48	6.48	6.48	6.48	6.48	6.48
24	6.48	6.48	6.48	6.48	6.48	6.48	6.49	6.49	6.49	6.49	6.49	6.49
25	6.49	6.49	6.49	6.49	6.49	6.49	6.50	6.50	6.50	6.50	6.50	6.50
26	6.50	6.50	6.50	6.50	6.50	6.50	6.51	6.51	6.51	6.51	6.51	6.51
27	6.51	6.51	6.51	6.51	6.51	6.51	6.52	6.52	6.52	6.52	6.52	6.52
28	6.52	6.52	6.52	6.52	6.52	6.52	6.52	6.52	6.52	6.52	6.52	6.52
29	6.52	6.52	6.52	6.52	6.52	6.52	6.53	6.53	6.53	6.53	6.53	6.53
30	6.53	6.53	6.53	6.53	6.53	6.53	6.54	6.54	6.54	6.54	6.54	6.54
31	6.54	6.54	6.54	6.55	6.55	6.55	6.55	6.55	6.55	6.56	6.56	6.56
32	6.56	6.56	6.56	6.56	6.56	6.56	6.57	6.57	6.57	6.57	6.57	6.57
33	6.57	6.57	6.57	6.57	6.57	6.57	6.58	6.58	6.58	6.58	6.58	6.58
34	6.58	6.58	6.58	6.59	6.59	6.59	6.59	6.59	6.59	6.60	6.60	6.60
35	6.60	6.60	6.60	6.60	6.60	6.60	6.61	6.61	6.61	6.61	6.61	6.61
36	6.61	6.61	6.61	6.62	6.62	6.62	6.62	6.62	6.62	6.63	6.63	6.63
37	6.63	6.63	6.63	6.64	6.64	6.64	6.64	6.64	6.64	6.65	6.65	6.65
38	6.65	6.65	6.65	6.65	6.65	6.65	6.66	6.66	6.66	6.66	6.66	6.66
39	6.66	6.66	6.66	6.67	6.67	6.67	6.67	6.67	6.67	6.68	6.68	6.68
40	6.68	6.68	6.69	6.69	6.69	6.69	6.70	6.70	6.70	6.70	6.71	6.71
41	6.71	6.71	6.71	6.72	6.72	6.72	6.72	6.72	6.72	6.73	6.73	6.73
42	6.73	6.73	6.74	6.74	6.74	6.74	6.75	6.75	6.75	6.75	6.76	6.76
43	6.76	6.76	6.77	6.77	6.77	6.77	6.78	6.78	6.78	6.78	6.79	6.79
44	6.79	6.79	6.80	6.80	6.80	6.80	6.81	6.81	6.81	6.81	6.82	6.82

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 2a: Refund Annuity Conversion Factors - Option 0 - Healthy Members (Tier 1 / Tier 2 only)
 (Amount of Monthly Annuity per \$1,000 of Account Balance)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
45	6.82	6.82	6.83	6.83	6.83	6.83	6.84	6.84	6.84	6.84	6.85	6.85
46	6.85	6.85	6.86	6.86	6.86	6.86	6.87	6.87	6.87	6.87	6.88	6.88
47	6.88	6.88	6.89	6.89	6.89	6.90	6.90	6.90	6.91	6.91	6.91	6.92
48	6.92	6.92	6.93	6.93	6.93	6.94	6.94	6.94	6.95	6.95	6.95	6.96
49	6.96	6.96	6.97	6.97	6.97	6.98	6.98	6.98	6.99	6.99	6.99	7.00
50	7.00	7.00	7.01	7.01	7.02	7.02	7.03	7.03	7.03	7.04	7.04	7.05
51	7.05	7.05	7.06	7.06	7.07	7.07	7.08	7.08	7.08	7.09	7.09	7.10
52	7.10	7.10	7.11	7.11	7.12	7.12	7.13	7.13	7.13	7.14	7.14	7.15
53	7.15	7.16	7.16	7.17	7.17	7.18	7.18	7.19	7.19	7.20	7.20	7.21
54	7.21	7.22	7.22	7.23	7.23	7.24	7.24	7.25	7.25	7.26	7.26	7.27
55	7.27	7.28	7.28	7.29	7.29	7.30	7.30	7.31	7.31	7.32	7.32	7.33
56	7.33	7.34	7.34	7.35	7.35	7.36	7.37	7.37	7.38	7.38	7.39	7.39
57	7.40	7.41	7.41	7.42	7.43	7.43	7.44	7.45	7.45	7.46	7.47	7.47
58	7.48	7.49	7.49	7.50	7.50	7.51	7.52	7.52	7.53	7.53	7.54	7.54
59	7.55	7.56	7.57	7.57	7.58	7.59	7.60	7.60	7.61	7.62	7.63	7.63
60	7.64	7.65	7.66	7.66	7.67	7.68	7.69	7.69	7.70	7.71	7.72	7.72
61	7.73	7.74	7.75	7.75	7.76	7.77	7.78	7.78	7.79	7.80	7.81	7.81
62	7.82	7.83	7.84	7.85	7.85	7.86	7.87	7.88	7.89	7.90	7.90	7.91
63	7.92	7.93	7.94	7.95	7.96	7.97	7.98	7.98	7.99	8.00	8.01	8.02
64	8.03	8.04	8.05	8.06	8.07	8.08	8.09	8.10	8.11	8.12	8.13	8.14
65	8.15	8.16	8.17	8.18	8.19	8.20	8.21	8.22	8.23	8.24	8.25	8.26
66	8.27	8.28	8.29	8.30	8.31	8.32	8.34	8.35	8.36	8.37	8.38	8.39
67	8.40	8.41	8.43	8.44	8.45	8.46	8.48	8.49	8.50	8.51	8.53	8.54
68	8.55	8.56	8.58	8.59	8.60	8.61	8.63	8.64	8.65	8.66	8.68	8.69
69	8.70	8.71	8.73	8.74	8.75	8.77	8.78	8.79	8.81	8.82	8.83	8.85
70	8.86	8.87	8.89	8.90	8.92	8.93	8.95	8.96	8.97	8.99	9.00	9.02
71	9.03	9.05	9.06	9.08	9.09	9.11	9.13	9.14	9.16	9.17	9.19	9.20
72	9.22	9.24	9.25	9.27	9.29	9.30	9.32	9.34	9.35	9.37	9.39	9.40
73	9.42	9.44	9.46	9.48	9.49	9.51	9.53	9.55	9.57	9.59	9.60	9.62
74	9.64	9.66	9.68	9.70	9.71	9.73	9.75	9.77	9.79	9.81	9.82	9.84

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 2a: Refund Annuity Conversion Factors - Option 0 - Healthy Members (Tier 1 / Tier 2 only)
 (Amount of Monthly Annuity per \$1,000 of Account Balance)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
75	9.86	9.88	9.90	9.92	9.94	9.96	9.99	10.01	10.03	10.05	10.07	10.09
76	10.11	10.13	10.15	10.18	10.20	10.22	10.24	10.26	10.28	10.31	10.33	10.35
77	10.37	10.39	10.42	10.44	10.46	10.49	10.51	10.53	10.56	10.58	10.60	10.63
78	10.65	10.68	10.70	10.73	10.75	10.78	10.80	10.83	10.85	10.88	10.90	10.93
79	10.95	10.98	11.00	11.03	11.06	11.08	11.11	11.14	11.16	11.19	11.22	11.24
80	11.27	11.30	11.33	11.36	11.38	11.41	11.44	11.47	11.50	11.53	11.55	11.58
81	11.61	11.64	11.67	11.70	11.73	11.76	11.79	11.82	11.85	11.88	11.91	11.94
82	11.97	12.00	12.03	12.07	12.10	12.13	12.16	12.19	12.22	12.26	12.29	12.32
83	12.35	12.38	12.42	12.45	12.48	12.52	12.55	12.58	12.62	12.65	12.68	12.72
84	12.75	12.78	12.82	12.85	12.89	12.92	12.96	12.99	13.02	13.06	13.09	13.13
85	13.16	13.20	13.23	13.27	13.31	13.34	13.38	13.42	13.45	13.49	13.53	13.56
86	13.60	13.64	13.68	13.71	13.75	13.79	13.83	13.86	13.90	13.94	13.98	14.01
87	14.05	14.09	14.13	14.17	14.20	14.24	14.28	14.32	14.36	14.40	14.43	14.47
88	14.51	14.55	14.59	14.63	14.66	14.70	14.74	14.78	14.82	14.86	14.89	14.93
89	14.97	15.01	15.05	15.09	15.13	15.17	15.21	15.25	15.29	15.33	15.37	15.41
90	15.45	15.49	15.53	15.57	15.61	15.65	15.69	15.73	15.77	15.81	15.85	15.89
91	15.93	15.97	16.01	16.05	16.09	16.13	16.17	16.21	16.25	16.29	16.33	16.37
92	16.41	16.45	16.49	16.53	16.57	16.61	16.65	16.69	16.73	16.77	16.81	16.85
93	16.89	16.93	16.97	17.01	17.04	17.08	17.12	17.16	17.20	17.24	17.27	17.31
94	17.35	17.39	17.43	17.47	17.50	17.54	17.58	17.62	17.66	17.70	17.73	17.77
95	17.81	17.85	17.88	17.92	17.95	17.99	18.02	18.06	18.09	18.13	18.16	18.20
96	18.23	18.26	18.30	18.33	18.37	18.40	18.44	18.47	18.50	18.54	18.57	18.61
97	18.64	18.67	18.71	18.74	18.77	18.81	18.84	18.87	18.91	18.94	18.97	19.01
98	19.04	19.07	19.11	19.14	19.17	19.20	19.24	19.27	19.30	19.33	19.37	19.40
99	19.43	19.46	19.49	19.53	19.56	19.59	19.62	19.65	19.68	19.72	19.75	19.78
100	19.81											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 2b: Refund Annuity Conversion Factors - Option 0 - Disabled Members (Tier 1 / Tier 2 only)
 (Amount of Monthly Annuity per \$1,000 of Account Balance)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
15	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54
16	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54
17	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54
18	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54
19	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54	7.54
20	7.54	7.54	7.54	7.54	7.54	7.54	7.55	7.55	7.55	7.55	7.55	7.55
21	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55
22	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55
23	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55
24	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55	7.55
25	7.55	7.55	7.55	7.55	7.55	7.55	7.56	7.56	7.56	7.56	7.56	7.56
26	7.56	7.56	7.56	7.56	7.56	7.56	7.56	7.56	7.56	7.56	7.56	7.56
27	7.56	7.56	7.56	7.56	7.56	7.56	7.56	7.56	7.56	7.56	7.56	7.56
28	7.56	7.56	7.56	7.56	7.56	7.56	7.57	7.57	7.57	7.57	7.57	7.57
29	7.57	7.57	7.57	7.57	7.57	7.57	7.57	7.57	7.57	7.57	7.57	7.57
30	7.57	7.57	7.57	7.57	7.57	7.57	7.58	7.58	7.58	7.58	7.58	7.58
31	7.58	7.58	7.58	7.58	7.58	7.58	7.58	7.58	7.58	7.58	7.58	7.58
32	7.58	7.58	7.58	7.58	7.58	7.58	7.59	7.59	7.59	7.59	7.59	7.59
33	7.59	7.59	7.59	7.59	7.59	7.59	7.59	7.59	7.59	7.59	7.59	7.59
34	7.59	7.59	7.59	7.59	7.59	7.59	7.60	7.60	7.60	7.60	7.60	7.60
35	7.60	7.60	7.60	7.60	7.60	7.60	7.61	7.61	7.61	7.61	7.61	7.61
36	7.61	7.61	7.61	7.61	7.61	7.61	7.62	7.62	7.62	7.62	7.62	7.62
37	7.62	7.62	7.62	7.62	7.62	7.62	7.63	7.63	7.63	7.63	7.63	7.63
38	7.63	7.63	7.63	7.63	7.63	7.63	7.64	7.64	7.64	7.64	7.64	7.64
39	7.64	7.64	7.64	7.64	7.64	7.64	7.65	7.65	7.65	7.65	7.65	7.65
40	7.65	7.65	7.65	7.65	7.65	7.65	7.66	7.66	7.66	7.66	7.66	7.66
41	7.66	7.66	7.66	7.67	7.67	7.67	7.67	7.67	7.67	7.68	7.68	7.68
42	7.68	7.68	7.68	7.68	7.68	7.68	7.69	7.69	7.69	7.69	7.69	7.69
43	7.69	7.69	7.69	7.70	7.70	7.70	7.70	7.70	7.70	7.71	7.71	7.71
44	7.71	7.71	7.71	7.72	7.72	7.72	7.72	7.72	7.72	7.73	7.73	7.73

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 2b: Refund Annuity Conversion Factors - Option 0 - Disabled Members (Tier 1 / Tier 2 only)
 (Amount of Monthly Annuity per \$1,000 of Account Balance)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
45	7.73	7.73	7.73	7.74	7.74	7.74	7.74	7.74	7.74	7.75	7.75	7.75
46	7.75	7.75	7.76	7.76	7.76	7.76	7.77	7.77	7.77	7.77	7.78	7.78
47	7.78	7.78	7.78	7.79	7.79	7.79	7.79	7.79	7.79	7.80	7.80	7.80
48	7.80	7.80	7.81	7.81	7.81	7.81	7.82	7.82	7.82	7.82	7.83	7.83
49	7.83	7.83	7.84	7.84	7.84	7.85	7.85	7.85	7.86	7.86	7.86	7.87
50	7.87	7.87	7.88	7.88	7.88	7.88	7.89	7.89	7.89	7.89	7.90	7.90
51	7.90	7.90	7.91	7.91	7.91	7.92	7.92	7.92	7.93	7.93	7.93	7.94
52	7.94	7.94	7.95	7.95	7.96	7.96	7.97	7.97	7.97	7.98	7.98	7.99
53	7.99	7.99	8.00	8.00	8.01	8.01	8.02	8.02	8.02	8.03	8.03	8.04
54	8.04	8.05	8.05	8.06	8.06	8.07	8.07	8.08	8.08	8.09	8.09	8.10
55	8.10	8.11	8.11	8.12	8.12	8.13	8.13	8.14	8.14	8.15	8.15	8.16
56	8.16	8.17	8.17	8.18	8.19	8.19	8.20	8.21	8.21	8.22	8.23	8.23
57	8.24	8.25	8.25	8.26	8.27	8.27	8.28	8.29	8.29	8.30	8.31	8.31
58	8.32	8.33	8.34	8.34	8.35	8.36	8.37	8.37	8.38	8.39	8.40	8.40
59	8.41	8.42	8.43	8.44	8.44	8.45	8.46	8.47	8.48	8.49	8.49	8.50
60	8.51	8.52	8.53	8.54	8.55	8.56	8.57	8.57	8.58	8.59	8.60	8.61
61	8.62	8.63	8.64	8.65	8.66	8.67	8.68	8.69	8.70	8.71	8.72	8.73
62	8.74	8.75	8.76	8.78	8.79	8.80	8.81	8.82	8.83	8.85	8.86	8.87
63	8.88	8.89	8.91	8.92	8.93	8.94	8.96	8.97	8.98	8.99	9.01	9.02
64	9.03	9.04	9.06	9.07	9.08	9.10	9.11	9.12	9.14	9.15	9.16	9.18
65	9.19	9.21	9.22	9.24	9.25	9.27	9.28	9.30	9.31	9.33	9.34	9.36
66	9.37	9.39	9.40	9.42	9.43	9.45	9.46	9.48	9.49	9.51	9.52	9.54
67	9.55	9.57	9.59	9.60	9.62	9.64	9.66	9.67	9.69	9.71	9.73	9.74
68	9.76	9.78	9.80	9.82	9.83	9.85	9.87	9.89	9.91	9.93	9.94	9.96
69	9.98	10.00	10.02	10.04	10.06	10.08	10.10	10.11	10.13	10.15	10.17	10.19
70	10.21	10.23	10.25	10.27	10.29	10.31	10.34	10.36	10.38	10.40	10.42	10.44
71	10.46	10.48	10.50	10.53	10.55	10.57	10.59	10.61	10.63	10.66	10.68	10.70
72	10.72	10.74	10.77	10.79	10.82	10.84	10.87	10.89	10.91	10.94	10.96	10.99
73	11.01	11.04	11.06	11.09	11.11	11.14	11.16	11.19	11.21	11.24	11.26	11.29
74	11.31	11.34	11.36	11.39	11.42	11.44	11.47	11.50	11.52	11.55	11.58	11.60

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 2b: Refund Annuity Conversion Factors - Option 0 - Disabled Members (Tier 1 / Tier 2 only)
 (Amount of Monthly Annuity per \$1,000 of Account Balance)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
75	11.63	11.66	11.69	11.72	11.74	11.77	11.80	11.83	11.86	11.89	11.91	11.94
76	11.97	12.00	12.03	12.06	12.09	12.12	12.15	12.18	12.21	12.24	12.27	12.30
77	12.33	12.36	12.39	12.43	12.46	12.49	12.52	12.55	12.58	12.62	12.65	12.68
78	12.71	12.74	12.78	12.81	12.84	12.87	12.91	12.94	12.97	13.00	13.04	13.07
79	13.10	13.14	13.17	13.21	13.24	13.28	13.31	13.35	13.38	13.42	13.45	13.49
80	13.52	13.56	13.59	13.63	13.66	13.70	13.74	13.77	13.81	13.84	13.88	13.91
81	13.95	13.99	14.03	14.06	14.10	14.14	14.18	14.21	14.25	14.29	14.33	14.36
82	14.40	14.44	14.48	14.52	14.55	14.59	14.63	14.67	14.71	14.75	14.78	14.82
83	14.86	14.90	14.94	14.98	15.01	15.05	15.09	15.13	15.17	15.21	15.24	15.28
84	15.32	15.36	15.40	15.44	15.47	15.51	15.55	15.59	15.63	15.67	15.70	15.74
85	15.78	15.82	15.86	15.89	15.93	15.97	16.01	16.04	16.08	16.12	16.16	16.19
86	16.23	16.27	16.31	16.34	16.38	16.42	16.46	16.49	16.53	16.57	16.61	16.64
87	16.68	16.72	16.75	16.79	16.83	16.86	16.90	16.94	16.97	17.01	17.05	17.08
88	17.12	17.16	17.19	17.23	17.26	17.30	17.34	17.37	17.41	17.44	17.48	17.51
89	17.55	17.58	17.62	17.65	17.68	17.72	17.75	17.78	17.82	17.85	17.88	17.92
90	17.95	17.98	18.02	18.05	18.08	18.11	18.15	18.18	18.21	18.24	18.28	18.31
91	18.34	18.37	18.40	18.43	18.46	18.49	18.53	18.56	18.59	18.62	18.65	18.68
92	18.71	18.74	18.77	18.80	18.83	18.86	18.90	18.93	18.96	18.99	19.02	19.05
93	19.08	19.11	19.14	19.17	19.20	19.23	19.26	19.28	19.31	19.34	19.37	19.40
94	19.43	19.46	19.49	19.52	19.55	19.58	19.61	19.64	19.67	19.70	19.73	19.76
95	19.79	19.82	19.85	19.88	19.91	19.94	19.97	19.99	20.02	20.05	20.08	20.11
96	20.14	20.17	20.20	20.23	20.26	20.29	20.32	20.35	20.38	20.41	20.44	20.47
97	20.50	20.53	20.56	20.59	20.61	20.64	20.67	20.70	20.73	20.76	20.78	20.81
98	20.84	20.87	20.90	20.93	20.95	20.98	21.01	21.04	21.07	21.10	21.12	21.15
99	21.18	21.21	21.23	21.26	21.29	21.31	21.34	21.37	21.39	21.42	21.45	21.47
100	21.50											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 3a: Non-Refund Annuity Conversion Factors - Option 1 - Healthy Members (Tier 1 / Tier 2 only)
 (Amount of Monthly Annuity per \$1,000 of Account Balance)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
15	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45
16	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45
17	6.45	6.45	6.45	6.45	6.45	6.45	6.46	6.46	6.46	6.46	6.46	6.46
18	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46
19	6.46	6.46	6.46	6.46	6.46	6.46	6.47	6.47	6.47	6.47	6.47	6.47
20	6.47	6.47	6.47	6.47	6.47	6.47	6.47	6.47	6.47	6.47	6.47	6.47
21	6.47	6.47	6.47	6.47	6.47	6.47	6.48	6.48	6.48	6.48	6.48	6.48
22	6.48	6.48	6.48	6.48	6.48	6.48	6.49	6.49	6.49	6.49	6.49	6.49
23	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49
24	6.49	6.49	6.49	6.49	6.49	6.49	6.50	6.50	6.50	6.50	6.50	6.50
25	6.50	6.50	6.50	6.50	6.50	6.50	6.51	6.51	6.51	6.51	6.51	6.51
26	6.51	6.51	6.51	6.51	6.51	6.51	6.52	6.52	6.52	6.52	6.52	6.52
27	6.52	6.52	6.52	6.52	6.52	6.52	6.53	6.53	6.53	6.53	6.53	6.53
28	6.53	6.53	6.53	6.53	6.53	6.53	6.54	6.54	6.54	6.54	6.54	6.54
29	6.54	6.54	6.54	6.54	6.54	6.54	6.55	6.55	6.55	6.55	6.55	6.55
30	6.55	6.55	6.55	6.55	6.55	6.55	6.56	6.56	6.56	6.56	6.56	6.56
31	6.56	6.56	6.56	6.56	6.56	6.56	6.57	6.57	6.57	6.57	6.57	6.57
32	6.57	6.57	6.57	6.57	6.57	6.57	6.58	6.58	6.58	6.58	6.58	6.58
33	6.58	6.58	6.58	6.59	6.59	6.59	6.59	6.59	6.59	6.60	6.60	6.60
34	6.60	6.60	6.60	6.60	6.60	6.60	6.61	6.61	6.61	6.61	6.61	6.61
35	6.61	6.61	6.61	6.62	6.62	6.62	6.62	6.62	6.62	6.63	6.63	6.63
36	6.63	6.63	6.63	6.64	6.64	6.64	6.64	6.64	6.64	6.65	6.65	6.65
37	6.65	6.65	6.65	6.66	6.66	6.66	6.66	6.66	6.66	6.67	6.67	6.67
38	6.67	6.67	6.67	6.68	6.68	6.68	6.68	6.68	6.68	6.69	6.69	6.69
39	6.69	6.69	6.69	6.70	6.70	6.70	6.70	6.70	6.70	6.71	6.71	6.71
40	6.71	6.71	6.72	6.72	6.72	6.72	6.73	6.73	6.73	6.73	6.74	6.74
41	6.74	6.74	6.74	6.75	6.75	6.75	6.75	6.75	6.75	6.76	6.76	6.76
42	6.76	6.76	6.77	6.77	6.77	6.77	6.78	6.78	6.78	6.78	6.79	6.79
43	6.79	6.79	6.80	6.80	6.80	6.80	6.81	6.81	6.81	6.81	6.82	6.82
44	6.82	6.82	6.83	6.83	6.83	6.83	6.84	6.84	6.84	6.84	6.85	6.85

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 3a: Non-Refund Annuity Conversion Factors - Option 1 - Healthy Members (Tier 1 / Tier 2 only)
 (Amount of Monthly Annuity per \$1,000 of Account Balance)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
45	6.85	6.85	6.86	6.86	6.86	6.87	6.87	6.87	6.88	6.88	6.88	6.89
46	6.89	6.89	6.90	6.90	6.90	6.91	6.91	6.91	6.92	6.92	6.92	6.93
47	6.93	6.93	6.94	6.94	6.94	6.95	6.95	6.95	6.96	6.96	6.96	6.97
48	6.97	6.97	6.98	6.98	6.99	6.99	7.00	7.00	7.00	7.01	7.01	7.02
49	7.02	7.02	7.03	7.03	7.04	7.04	7.05	7.05	7.05	7.06	7.06	7.07
50	7.07	7.07	7.08	7.08	7.09	7.09	7.10	7.10	7.10	7.11	7.11	7.12
51	7.12	7.13	7.13	7.14	7.14	7.15	7.15	7.16	7.16	7.17	7.17	7.18
52	7.18	7.19	7.19	7.20	7.20	7.21	7.21	7.22	7.22	7.23	7.23	7.24
53	7.24	7.25	7.25	7.26	7.26	7.27	7.28	7.28	7.29	7.29	7.30	7.30
54	7.31	7.32	7.32	7.33	7.33	7.34	7.35	7.35	7.36	7.36	7.37	7.37
55	7.38	7.39	7.39	7.40	7.41	7.41	7.42	7.43	7.43	7.44	7.45	7.45
56	7.46	7.47	7.48	7.48	7.49	7.50	7.51	7.51	7.52	7.53	7.54	7.54
57	7.55	7.56	7.57	7.57	7.58	7.59	7.60	7.60	7.61	7.62	7.63	7.63
58	7.64	7.65	7.66	7.67	7.67	7.68	7.69	7.70	7.71	7.72	7.72	7.73
59	7.74	7.75	7.76	7.77	7.78	7.79	7.80	7.80	7.81	7.82	7.83	7.84
60	7.85	7.86	7.87	7.88	7.89	7.90	7.91	7.91	7.92	7.93	7.94	7.95
61	7.96	7.97	7.98	7.99	8.00	8.01	8.03	8.04	8.05	8.06	8.07	8.08
62	8.09	8.10	8.11	8.13	8.14	8.15	8.16	8.17	8.18	8.20	8.21	8.22
63	8.23	8.24	8.25	8.27	8.28	8.29	8.30	8.31	8.32	8.34	8.35	8.36
64	8.37	8.38	8.40	8.41	8.42	8.44	8.45	8.46	8.48	8.49	8.50	8.52
65	8.53	8.54	8.56	8.57	8.59	8.60	8.62	8.63	8.64	8.66	8.67	8.69
66	8.70	8.72	8.73	8.75	8.76	8.78	8.79	8.81	8.82	8.84	8.85	8.87
67	8.88	8.90	8.91	8.93	8.94	8.96	8.98	8.99	9.01	9.02	9.04	9.05
68	9.07	9.09	9.11	9.12	9.14	9.16	9.18	9.19	9.21	9.23	9.25	9.26
69	9.28	9.30	9.32	9.34	9.36	9.38	9.40	9.41	9.43	9.45	9.47	9.49
70	9.51	9.53	9.55	9.57	9.59	9.61	9.64	9.66	9.68	9.70	9.72	9.74
71	9.76	9.78	9.81	9.83	9.85	9.87	9.90	9.92	9.94	9.96	9.99	10.01
72	10.03	10.05	10.08	10.10	10.13	10.15	10.18	10.20	10.22	10.25	10.27	10.30
73	10.32	10.35	10.38	10.40	10.43	10.46	10.49	10.51	10.54	10.57	10.60	10.62
74	10.65	10.68	10.71	10.74	10.76	10.79	10.82	10.85	10.88	10.91	10.93	10.96

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 3a: Non-Refund Annuity Conversion Factors - Option 1 - Healthy Members (Tier 1 / Tier 2 only)
 (Amount of Monthly Annuity per \$1,000 of Account Balance)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
75	10.99	11.02	11.06	11.09	11.12	11.15	11.19	11.22	11.25	11.28	11.32	11.35
76	11.38	11.41	11.45	11.48	11.52	11.55	11.59	11.62	11.65	11.69	11.72	11.76
77	11.79	11.83	11.87	11.91	11.94	11.98	12.02	12.06	12.10	12.14	12.17	12.21
78	12.25	12.29	12.33	12.38	12.42	12.46	12.50	12.54	12.58	12.63	12.67	12.71
79	12.75	12.80	12.84	12.89	12.93	12.98	13.02	13.07	13.11	13.16	13.20	13.25
80	13.29	13.34	13.39	13.44	13.49	13.54	13.59	13.63	13.68	13.73	13.78	13.83
81	13.88	13.93	13.99	14.04	14.10	14.15	14.21	14.26	14.31	14.37	14.42	14.48
82	14.53	14.59	14.65	14.71	14.77	14.83	14.89	14.94	15.00	15.06	15.12	15.18
83	15.24	15.30	15.37	15.43	15.50	15.56	15.63	15.69	15.75	15.82	15.88	15.95
84	16.01	16.08	16.15	16.22	16.29	16.36	16.43	16.50	16.57	16.64	16.71	16.78
85	16.85	16.93	17.00	17.08	17.15	17.23	17.31	17.38	17.46	17.53	17.61	17.68
86	17.76	17.84	17.93	18.01	18.09	18.17	18.26	18.34	18.42	18.50	18.59	18.67
87	18.75	18.84	18.93	19.01	19.10	19.19	19.28	19.36	19.45	19.54	19.63	19.71
88	19.80	19.89	19.99	20.08	20.17	20.26	20.36	20.45	20.54	20.63	20.73	20.82
89	20.91	21.01	21.10	21.20	21.30	21.39	21.49	21.59	21.68	21.78	21.88	21.97
90	22.07	22.17	22.27	22.37	22.47	22.57	22.67	22.76	22.86	22.96	23.06	23.16
91	23.26	23.36	23.47	23.57	23.67	23.78	23.88	23.98	24.09	24.19	24.29	24.40
92	24.50	24.61	24.71	24.82	24.92	25.03	25.13	25.24	25.34	25.45	25.55	25.66
93	25.76	25.87	25.97	26.08	26.19	26.29	26.40	26.51	26.61	26.72	26.83	26.93
94	27.04	27.15	27.26	27.37	27.48	27.59	27.70	27.80	27.91	28.02	28.13	28.24
95	28.35	28.46	28.57	28.69	28.80	28.91	29.02	29.13	29.24	29.36	29.47	29.58
96	29.69	29.80	29.90	30.01	30.11	30.22	30.32	30.43	30.53	30.64	30.74	30.85
97	30.95	31.05	31.15	31.25	31.35	31.45	31.55	31.64	31.74	31.84	31.94	32.04
98	32.14	32.23	32.32	32.42	32.51	32.60	32.69	32.78	32.87	32.97	33.06	33.15
99	33.24	33.33	33.42	33.51	33.60	33.69	33.79	33.88	33.97	34.06	34.15	34.24
100	34.33											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 3b: Non-Refund Annuity Conversion Factors - Option 1 - Disabled Members (Tier 1 / Tier 2 only)
 (Amount of Monthly Annuity per \$1,000 of Account Balance)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
15	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29
16	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29
17	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29
18	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29
19	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29
20	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29
21	8.29	8.29	8.29	8.29	8.29	8.29	8.30	8.30	8.30	8.30	8.30	8.30
22	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30
23	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30
24	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30
25	8.30	8.30	8.30	8.30	8.30	8.30	8.31	8.31	8.31	8.31	8.31	8.31
26	8.31	8.31	8.31	8.31	8.31	8.31	8.31	8.31	8.31	8.31	8.31	8.31
27	8.31	8.31	8.31	8.31	8.31	8.31	8.31	8.31	8.31	8.31	8.31	8.31
28	8.31	8.31	8.31	8.31	8.31	8.31	8.32	8.32	8.32	8.32	8.32	8.32
29	8.32	8.32	8.32	8.32	8.32	8.32	8.32	8.32	8.32	8.32	8.32	8.32
30	8.32	8.32	8.32	8.32	8.32	8.32	8.33	8.33	8.33	8.33	8.33	8.33
31	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33	8.33
32	8.33	8.33	8.33	8.33	8.33	8.33	8.34	8.34	8.34	8.34	8.34	8.34
33	8.34	8.34	8.34	8.34	8.34	8.34	8.34	8.34	8.34	8.34	8.34	8.34
34	8.34	8.34	8.34	8.34	8.34	8.34	8.35	8.35	8.35	8.35	8.35	8.35
35	8.35	8.35	8.35	8.35	8.35	8.35	8.36	8.36	8.36	8.36	8.36	8.36
36	8.36	8.36	8.36	8.36	8.36	8.36	8.37	8.37	8.37	8.37	8.37	8.37
37	8.37	8.37	8.37	8.37	8.37	8.37	8.38	8.38	8.38	8.38	8.38	8.38
38	8.38	8.38	8.38	8.38	8.38	8.38	8.39	8.39	8.39	8.39	8.39	8.39
39	8.39	8.39	8.39	8.39	8.39	8.39	8.40	8.40	8.40	8.40	8.40	8.40
40	8.40	8.40	8.40	8.40	8.40	8.40	8.41	8.41	8.41	8.41	8.41	8.41
41	8.41	8.41	8.41	8.42	8.42	8.42	8.42	8.42	8.42	8.43	8.43	8.43
42	8.43	8.43	8.43	8.43	8.43	8.43	8.44	8.44	8.44	8.44	8.44	8.44
43	8.44	8.44	8.44	8.45	8.45	8.45	8.45	8.45	8.45	8.46	8.46	8.46
44	8.46	8.46	8.46	8.47	8.47	8.47	8.47	8.47	8.47	8.48	8.48	8.48

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 3b: Non-Refund Annuity Conversion Factors - Option 1 - Disabled Members (Tier 1 / Tier 2 only)
 (Amount of Monthly Annuity per \$1,000 of Account Balance)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
45	8.48	8.48	8.48	8.49	8.49	8.49	8.49	8.49	8.49	8.50	8.50	8.50
46	8.50	8.50	8.51	8.51	8.51	8.51	8.52	8.52	8.52	8.52	8.53	8.53
47	8.53	8.53	8.54	8.54	8.54	8.54	8.55	8.55	8.55	8.55	8.56	8.56
48	8.56	8.56	8.57	8.57	8.57	8.57	8.58	8.58	8.58	8.58	8.59	8.59
49	8.59	8.59	8.60	8.60	8.60	8.60	8.61	8.61	8.61	8.61	8.62	8.62
50	8.62	8.62	8.63	8.63	8.63	8.64	8.64	8.64	8.65	8.65	8.65	8.66
51	8.66	8.66	8.67	8.67	8.67	8.68	8.68	8.68	8.69	8.69	8.69	8.70
52	8.70	8.70	8.71	8.71	8.72	8.72	8.73	8.73	8.73	8.74	8.74	8.75
53	8.75	8.75	8.76	8.76	8.77	8.77	8.78	8.78	8.78	8.79	8.79	8.80
54	8.80	8.81	8.81	8.82	8.82	8.83	8.83	8.84	8.84	8.85	8.85	8.86
55	8.86	8.87	8.87	8.88	8.88	8.89	8.90	8.90	8.91	8.91	8.92	8.92
56	8.93	8.94	8.94	8.95	8.95	8.96	8.97	8.97	8.98	8.98	8.99	8.99
57	9.00	9.01	9.01	9.02	9.03	9.03	9.04	9.05	9.05	9.06	9.07	9.07
58	9.08	9.09	9.10	9.11	9.11	9.12	9.13	9.14	9.15	9.16	9.16	9.17
59	9.18	9.19	9.20	9.21	9.21	9.22	9.23	9.24	9.25	9.26	9.26	9.27
60	9.28	9.29	9.30	9.31	9.32	9.33	9.34	9.35	9.36	9.37	9.38	9.39
61	9.40	9.41	9.42	9.44	9.45	9.46	9.47	9.48	9.49	9.51	9.52	9.53
62	9.54	9.55	9.57	9.58	9.59	9.60	9.62	9.63	9.64	9.65	9.67	9.68
63	9.69	9.71	9.72	9.74	9.75	9.77	9.78	9.80	9.81	9.83	9.84	9.86
64	9.87	9.89	9.91	9.92	9.94	9.96	9.98	9.99	10.01	10.03	10.05	10.06
65	10.08	10.10	10.12	10.14	10.16	10.18	10.20	10.21	10.23	10.25	10.27	10.29
66	10.31	10.33	10.36	10.38	10.40	10.42	10.45	10.47	10.49	10.51	10.54	10.56
67	10.58	10.60	10.63	10.65	10.68	10.70	10.73	10.75	10.77	10.80	10.82	10.85
68	10.87	10.90	10.93	10.95	10.98	11.01	11.04	11.06	11.09	11.12	11.15	11.17
69	11.20	11.23	11.26	11.29	11.32	11.35	11.39	11.42	11.45	11.48	11.51	11.54
70	11.57	11.60	11.64	11.67	11.70	11.74	11.77	11.80	11.84	11.87	11.90	11.94
71	11.97	12.01	12.04	12.08	12.11	12.15	12.19	12.22	12.26	12.29	12.33	12.36
72	12.40	12.44	12.48	12.52	12.56	12.60	12.64	12.68	12.72	12.76	12.80	12.84
73	12.88	12.92	12.97	13.01	13.05	13.09	13.14	13.18	13.22	13.26	13.31	13.35
74	13.39	13.44	13.48	13.53	13.58	13.62	13.67	13.72	13.76	13.81	13.86	13.90

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 3b: Non-Refund Annuity Conversion Factors - Option 1 - Disabled Members (Tier 1 / Tier 2 only)
 (Amount of Monthly Annuity per \$1,000 of Account Balance)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
75	13.95	14.00	14.05	14.10	14.15	14.20	14.26	14.31	14.36	14.41	14.46	14.51
76	14.56	14.62	14.67	14.73	14.78	14.84	14.90	14.95	15.01	15.06	15.12	15.17
77	15.23	15.29	15.35	15.41	15.47	15.53	15.59	15.65	15.71	15.77	15.83	15.89
78	15.95	16.02	16.08	16.15	16.21	16.28	16.35	16.41	16.48	16.54	16.61	16.67
79	16.74	16.81	16.88	16.96	17.03	17.10	17.17	17.24	17.31	17.39	17.46	17.53
80	17.60	17.68	17.75	17.83	17.91	17.98	18.06	18.14	18.21	18.29	18.37	18.44
81	18.52	18.60	18.69	18.77	18.85	18.94	19.02	19.10	19.19	19.27	19.35	19.44
82	19.52	19.61	19.70	19.79	19.87	19.96	20.05	20.14	20.23	20.32	20.40	20.49
83	20.58	20.67	20.77	20.86	20.96	21.05	21.15	21.24	21.33	21.43	21.52	21.62
84	21.71	21.81	21.91	22.00	22.10	22.20	22.30	22.39	22.49	22.59	22.69	22.78
85	22.88	22.98	23.08	23.18	23.28	23.38	23.48	23.58	23.68	23.78	23.88	23.98
86	24.08	24.18	24.29	24.39	24.49	24.59	24.70	24.80	24.90	25.00	25.11	25.21
87	25.31	25.41	25.52	25.62	25.72	25.83	25.93	26.03	26.14	26.24	26.34	26.45
88	26.55	26.65	26.76	26.86	26.96	27.06	27.17	27.27	27.37	27.47	27.58	27.68
89	27.78	27.88	27.98	28.08	28.18	28.28	28.39	28.49	28.59	28.69	28.79	28.89
90	28.99	29.09	29.19	29.28	29.38	29.48	29.58	29.67	29.77	29.87	29.97	30.06
91	30.16	30.26	30.35	30.45	30.54	30.64	30.73	30.83	30.92	31.02	31.11	31.21
92	31.30	31.39	31.48	31.57	31.66	31.75	31.85	31.94	32.03	32.12	32.21	32.30
93	32.39	32.48	32.56	32.65	32.74	32.82	32.91	33.00	33.08	33.17	33.26	33.34
94	33.43	33.52	33.60	33.69	33.77	33.86	33.94	34.03	34.11	34.20	34.28	34.37
95	34.45	34.53	34.62	34.70	34.78	34.87	34.95	35.03	35.12	35.20	35.28	35.37
96	35.45	35.54	35.62	35.71	35.80	35.88	35.97	36.06	36.14	36.23	36.32	36.40
97	36.49	36.58	36.67	36.76	36.85	36.94	37.03	37.11	37.20	37.29	37.38	37.47
98	37.56	37.65	37.74	37.83	37.91	38.00	38.09	38.18	38.27	38.36	38.44	38.53
99	38.62	38.71	38.79	38.88	38.96	39.05	39.14	39.22	39.31	39.39	39.48	39.56
100	39.65											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 4a: 15-Year Certain and Life Annuity Conversion Factors - Option 4 - Healthy Members (Tier 1 / Tier 2 only)
 (Amount of Monthly Annuity per \$1,000 of Account Balance)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
15	6.44	6.44	6.44	6.44	6.44	6.44	6.45	6.45	6.45	6.45	6.45	6.45
16	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45
17	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45	6.45
18	6.45	6.45	6.45	6.45	6.45	6.45	6.46	6.46	6.46	6.46	6.46	6.46
19	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46	6.46
20	6.46	6.46	6.46	6.46	6.46	6.46	6.47	6.47	6.47	6.47	6.47	6.47
21	6.47	6.47	6.47	6.47	6.47	6.47	6.47	6.47	6.47	6.47	6.47	6.47
22	6.47	6.47	6.47	6.47	6.47	6.47	6.48	6.48	6.48	6.48	6.48	6.48
23	6.48	6.48	6.48	6.48	6.48	6.48	6.49	6.49	6.49	6.49	6.49	6.49
24	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49
25	6.49	6.49	6.49	6.49	6.49	6.49	6.50	6.50	6.50	6.50	6.50	6.50
26	6.50	6.50	6.50	6.50	6.50	6.50	6.51	6.51	6.51	6.51	6.51	6.51
27	6.51	6.51	6.51	6.51	6.51	6.51	6.52	6.52	6.52	6.52	6.52	6.52
28	6.52	6.52	6.52	6.52	6.52	6.52	6.52	6.52	6.52	6.52	6.52	6.52
29	6.52	6.52	6.52	6.52	6.52	6.52	6.53	6.53	6.53	6.53	6.53	6.53
30	6.53	6.53	6.53	6.54	6.54	6.54	6.54	6.54	6.54	6.55	6.55	6.55
31	6.55	6.55	6.55	6.55	6.55	6.55	6.56	6.56	6.56	6.56	6.56	6.56
32	6.56	6.56	6.56	6.56	6.56	6.56	6.57	6.57	6.57	6.57	6.57	6.57
33	6.57	6.57	6.57	6.57	6.57	6.57	6.58	6.58	6.58	6.58	6.58	6.58
34	6.58	6.58	6.58	6.59	6.59	6.59	6.59	6.59	6.59	6.60	6.60	6.60
35	6.60	6.60	6.60	6.60	6.60	6.60	6.61	6.61	6.61	6.61	6.61	6.61
36	6.61	6.61	6.61	6.62	6.62	6.62	6.62	6.62	6.62	6.63	6.63	6.63
37	6.63	6.63	6.63	6.64	6.64	6.64	6.64	6.64	6.64	6.65	6.65	6.65
38	6.65	6.65	6.65	6.65	6.65	6.65	6.66	6.66	6.66	6.66	6.66	6.66
39	6.66	6.66	6.67	6.67	6.67	6.67	6.68	6.68	6.68	6.68	6.69	6.69
40	6.69	6.69	6.69	6.70	6.70	6.70	6.70	6.70	6.70	6.71	6.71	6.71
41	6.71	6.71	6.71	6.72	6.72	6.72	6.72	6.72	6.72	6.73	6.73	6.73
42	6.73	6.73	6.74	6.74	6.74	6.74	6.75	6.75	6.75	6.75	6.76	6.76
43	6.76	6.76	6.76	6.77	6.77	6.77	6.77	6.77	6.77	6.78	6.78	6.78
44	6.78	6.78	6.79	6.79	6.79	6.79	6.80	6.80	6.80	6.80	6.81	6.81

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 4a: 15-Year Certain and Life Annuity Conversion Factors - Option 4 - Healthy Members (Tier 1 / Tier 2 only)
 (Amount of Monthly Annuity per \$1,000 of Account Balance)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
45	6.81	6.81	6.82	6.82	6.82	6.82	6.83	6.83	6.83	6.83	6.84	6.84
46	6.84	6.84	6.85	6.85	6.85	6.86	6.86	6.86	6.87	6.87	6.87	6.88
47	6.88	6.88	6.89	6.89	6.89	6.89	6.90	6.90	6.90	6.90	6.91	6.91
48	6.91	6.91	6.92	6.92	6.92	6.93	6.93	6.93	6.94	6.94	6.94	6.95
49	6.95	6.95	6.96	6.96	6.96	6.97	6.97	6.97	6.98	6.98	6.98	6.99
50	6.99	6.99	7.00	7.00	7.01	7.01	7.02	7.02	7.02	7.03	7.03	7.04
51	7.04	7.04	7.05	7.05	7.05	7.06	7.06	7.06	7.07	7.07	7.07	7.08
52	7.08	7.08	7.09	7.09	7.10	7.10	7.11	7.11	7.11	7.12	7.12	7.13
53	7.13	7.13	7.14	7.14	7.15	7.15	7.16	7.16	7.16	7.17	7.17	7.18
54	7.18	7.19	7.19	7.20	7.20	7.21	7.21	7.22	7.22	7.23	7.23	7.24
55	7.24	7.25	7.25	7.26	7.26	7.27	7.27	7.28	7.28	7.29	7.29	7.30
56	7.30	7.31	7.31	7.32	7.32	7.33	7.33	7.34	7.34	7.35	7.35	7.36
57	7.36	7.37	7.37	7.38	7.38	7.39	7.39	7.40	7.40	7.41	7.41	7.42
58	7.42	7.43	7.43	7.44	7.44	7.45	7.46	7.46	7.47	7.47	7.48	7.48
59	7.49	7.50	7.50	7.51	7.51	7.52	7.53	7.53	7.54	7.54	7.55	7.55
60	7.56	7.57	7.57	7.58	7.59	7.59	7.60	7.61	7.61	7.62	7.63	7.63
61	7.64	7.65	7.65	7.66	7.66	7.67	7.68	7.68	7.69	7.69	7.70	7.70
62	7.71	7.72	7.73	7.73	7.74	7.75	7.76	7.76	7.77	7.78	7.79	7.79
63	7.80	7.81	7.81	7.82	7.83	7.83	7.84	7.85	7.85	7.86	7.87	7.87
64	7.88	7.89	7.90	7.90	7.91	7.92	7.93	7.93	7.94	7.95	7.96	7.96
65	7.97	7.98	7.98	7.99	8.00	8.00	8.01	8.02	8.02	8.03	8.04	8.04
66	8.05	8.06	8.07	8.07	8.08	8.09	8.10	8.10	8.11	8.12	8.13	8.13
67	8.14	8.15	8.16	8.17	8.17	8.18	8.19	8.20	8.21	8.22	8.22	8.23
68	8.24	8.25	8.26	8.26	8.27	8.28	8.29	8.29	8.30	8.31	8.32	8.32
69	8.33	8.34	8.35	8.35	8.36	8.37	8.38	8.38	8.39	8.40	8.41	8.41
70	8.42	8.43	8.44	8.44	8.45	8.46	8.47	8.47	8.48	8.49	8.50	8.50
71	8.51	8.52	8.53	8.53	8.54	8.55	8.56	8.56	8.57	8.58	8.59	8.59
72	8.60	8.61	8.62	8.62	8.63	8.64	8.65	8.65	8.66	8.67	8.68	8.68
73	8.69	8.70	8.70	8.71	8.72	8.72	8.73	8.74	8.74	8.75	8.76	8.76
74	8.77	8.78	8.78	8.79	8.80	8.80	8.81	8.82	8.82	8.83	8.84	8.84

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 4a: 15-Year Certain and Life Annuity Conversion Factors - Option 4 - Healthy Members (Tier 1 / Tier 2 only)
 (Amount of Monthly Annuity per \$1,000 of Account Balance)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
75	8.85	8.86	8.86	8.87	8.88	8.88	8.89	8.90	8.90	8.91	8.92	8.92
76	8.93	8.94	8.94	8.95	8.95	8.96	8.96	8.97	8.97	8.98	8.98	8.99
77	8.99	9.00	9.00	9.01	9.01	9.02	9.02	9.03	9.03	9.04	9.04	9.05
78	9.05	9.06	9.06	9.07	9.07	9.08	9.08	9.09	9.09	9.10	9.10	9.11
79	9.11	9.11	9.12	9.12	9.12	9.13	9.13	9.13	9.14	9.14	9.14	9.15
80	9.15	9.15	9.16	9.16	9.16	9.17	9.17	9.17	9.18	9.18	9.18	9.19
81	9.19	9.19	9.20	9.20	9.20	9.20	9.21	9.21	9.21	9.21	9.22	9.22
82	9.22	9.22	9.23	9.23	9.23	9.23	9.24	9.24	9.24	9.24	9.25	9.25
83	9.25	9.25	9.25	9.26	9.26	9.26	9.26	9.26	9.26	9.27	9.27	9.27
84	9.27	9.27	9.27	9.27	9.27	9.27	9.28	9.28	9.28	9.28	9.28	9.28
85	9.28	9.28	9.28	9.29	9.29	9.29	9.29	9.29	9.29	9.30	9.30	9.30
86	9.30	9.30	9.30	9.30	9.30	9.30	9.31	9.31	9.31	9.31	9.31	9.31
87	9.31	9.31	9.31	9.31	9.31	9.31	9.31	9.31	9.31	9.31	9.31	9.31
88	9.31	9.31	9.31	9.31	9.31	9.31	9.32	9.32	9.32	9.32	9.32	9.32
89	9.32	9.32	9.32	9.32	9.32	9.32	9.32	9.32	9.32	9.32	9.32	9.32
90	9.32	9.32	9.32	9.32	9.32	9.32	9.33	9.33	9.33	9.33	9.33	9.33
91	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33
92	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33
93	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33
94	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33
95	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33
96	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33
97	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33
98	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33
99	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33
100	9.33											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 4b: 15-Year Certain and Life Annuity Conversion Factors - Option 4 - Disabled Members (Tier 1 / Tier 2 only)
 (Amount of Monthly Annuity per \$1,000 of Account Balance)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
15	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46
16	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46
17	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46
18	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46
19	7.46	7.46	7.46	7.46	7.46	7.46	7.47	7.47	7.47	7.47	7.47	7.47
20	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47
21	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47
22	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47
23	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47
24	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47	7.47
25	7.47	7.47	7.47	7.47	7.47	7.47	7.48	7.48	7.48	7.48	7.48	7.48
26	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48
27	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48
28	7.48	7.48	7.48	7.48	7.48	7.48	7.49	7.49	7.49	7.49	7.49	7.49
29	7.49	7.49	7.49	7.49	7.49	7.49	7.49	7.49	7.49	7.49	7.49	7.49
30	7.49	7.49	7.49	7.49	7.49	7.49	7.49	7.49	7.49	7.49	7.49	7.49
31	7.49	7.49	7.49	7.49	7.49	7.49	7.50	7.50	7.50	7.50	7.50	7.50
32	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
33	7.50	7.50	7.50	7.50	7.50	7.50	7.51	7.51	7.51	7.51	7.51	7.51
34	7.51	7.51	7.51	7.51	7.51	7.51	7.51	7.51	7.51	7.51	7.51	7.51
35	7.51	7.51	7.51	7.51	7.51	7.51	7.52	7.52	7.52	7.52	7.52	7.52
36	7.52	7.52	7.52	7.52	7.52	7.52	7.53	7.53	7.53	7.53	7.53	7.53
37	7.53	7.53	7.53	7.53	7.53	7.53	7.53	7.53	7.53	7.53	7.53	7.53
38	7.53	7.53	7.53	7.53	7.53	7.53	7.54	7.54	7.54	7.54	7.54	7.54
39	7.54	7.54	7.54	7.54	7.54	7.54	7.55	7.55	7.55	7.55	7.55	7.55
40	7.55	7.55	7.55	7.55	7.55	7.55	7.56	7.56	7.56	7.56	7.56	7.56
41	7.56	7.56	7.56	7.57	7.57	7.57	7.57	7.57	7.57	7.58	7.58	7.58
42	7.58	7.58	7.58	7.58	7.58	7.58	7.59	7.59	7.59	7.59	7.59	7.59
43	7.59	7.59	7.59	7.59	7.59	7.59	7.60	7.60	7.60	7.60	7.60	7.60
44	7.60	7.60	7.60	7.61	7.61	7.61	7.61	7.61	7.61	7.62	7.62	7.62

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 4b: 15-Year Certain and Life Annuity Conversion Factors - Option 4 - Disabled Members (Tier 1 / Tier 2 only)
 (Amount of Monthly Annuity per \$1,000 of Account Balance)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
45	7.62	7.62	7.62	7.63	7.63	7.63	7.63	7.63	7.63	7.64	7.64	7.64
46	7.64	7.64	7.64	7.65	7.65	7.65	7.65	7.65	7.65	7.66	7.66	7.66
47	7.66	7.66	7.66	7.67	7.67	7.67	7.67	7.67	7.67	7.68	7.68	7.68
48	7.68	7.68	7.68	7.69	7.69	7.69	7.69	7.69	7.69	7.70	7.70	7.70
49	7.70	7.70	7.71	7.71	7.71	7.71	7.72	7.72	7.72	7.72	7.73	7.73
50	7.73	7.73	7.74	7.74	7.74	7.74	7.75	7.75	7.75	7.75	7.76	7.76
51	7.76	7.76	7.77	7.77	7.77	7.78	7.78	7.78	7.79	7.79	7.79	7.80
52	7.80	7.80	7.81	7.81	7.81	7.81	7.82	7.82	7.82	7.82	7.83	7.83
53	7.83	7.83	7.84	7.84	7.84	7.85	7.85	7.85	7.85	7.86	7.86	7.87
54	7.87	7.87	7.88	7.88	7.89	7.89	7.90	7.90	7.90	7.91	7.91	7.92
55	7.92	7.92	7.93	7.93	7.94	7.94	7.95	7.95	7.95	7.96	7.96	7.97
56	7.97	7.97	7.98	7.98	7.99	7.99	8.00	8.00	8.00	8.01	8.01	8.02
57	8.02	8.03	8.03	8.04	8.04	8.05	8.05	8.06	8.06	8.07	8.07	8.08
58	8.08	8.09	8.09	8.10	8.10	8.11	8.11	8.12	8.12	8.13	8.13	8.14
59	8.14	8.15	8.15	8.16	8.16	8.17	8.18	8.18	8.19	8.19	8.20	8.20
60	8.21	8.22	8.22	8.23	8.23	8.24	8.25	8.25	8.26	8.26	8.27	8.27
61	8.28	8.29	8.29	8.30	8.30	8.31	8.32	8.32	8.33	8.33	8.34	8.34
62	8.35	8.36	8.36	8.37	8.38	8.38	8.39	8.40	8.40	8.41	8.42	8.42
63	8.43	8.44	8.44	8.45	8.45	8.46	8.47	8.47	8.48	8.48	8.49	8.49
64	8.50	8.51	8.51	8.52	8.53	8.53	8.54	8.55	8.55	8.56	8.57	8.57
65	8.58	8.59	8.59	8.60	8.61	8.61	8.62	8.63	8.63	8.64	8.65	8.65
66	8.66	8.67	8.67	8.68	8.69	8.69	8.70	8.71	8.71	8.72	8.73	8.73
67	8.74	8.75	8.75	8.76	8.76	8.77	8.78	8.78	8.79	8.79	8.80	8.80
68	8.81	8.82	8.82	8.83	8.83	8.84	8.85	8.85	8.86	8.86	8.87	8.87
69	8.88	8.89	8.89	8.90	8.90	8.91	8.92	8.92	8.93	8.93	8.94	8.94
70	8.95	8.96	8.96	8.97	8.97	8.98	8.98	8.99	8.99	9.00	9.00	9.01
71	9.01	9.01	9.02	9.02	9.03	9.03	9.04	9.04	9.04	9.05	9.05	9.06
72	9.06	9.06	9.07	9.07	9.08	9.08	9.09	9.09	9.09	9.10	9.10	9.11
73	9.11	9.11	9.12	9.12	9.12	9.13	9.13	9.13	9.14	9.14	9.14	9.15
74	9.15	9.15	9.16	9.16	9.16	9.17	9.17	9.17	9.18	9.18	9.18	9.19

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 4b: 15-Year Certain and Life Annuity Conversion Factors - Option 4 - Disabled Members (Tier 1 / Tier 2 only)
 (Amount of Monthly Annuity per \$1,000 of Account Balance)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
75	9.19	9.19	9.20	9.20	9.20	9.20	9.21	9.21	9.21	9.21	9.22	9.22
76	9.22	9.22	9.22	9.23	9.23	9.23	9.23	9.23	9.23	9.24	9.24	9.24
77	9.24	9.24	9.24	9.25	9.25	9.25	9.25	9.25	9.25	9.26	9.26	9.26
78	9.26	9.26	9.26	9.27	9.27	9.27	9.27	9.27	9.27	9.28	9.28	9.28
79	9.28	9.28	9.28	9.28	9.28	9.28	9.29	9.29	9.29	9.29	9.29	9.29
80	9.29	9.29	9.29	9.29	9.29	9.29	9.30	9.30	9.30	9.30	9.30	9.30
81	9.30	9.30	9.30	9.30	9.30	9.30	9.31	9.31	9.31	9.31	9.31	9.31
82	9.31	9.31	9.31	9.31	9.31	9.31	9.32	9.32	9.32	9.32	9.32	9.32
83	9.32	9.32	9.32	9.32	9.32	9.32	9.32	9.32	9.32	9.32	9.32	9.32
84	9.32	9.32	9.32	9.32	9.32	9.32	9.32	9.32	9.32	9.32	9.32	9.32
85	9.32	9.32	9.32	9.32	9.32	9.32	9.33	9.33	9.33	9.33	9.33	9.33
86	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33
87	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33
88	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33
89	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33
90	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33
91	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33
92	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33
93	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33
94	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33	9.33
95	9.33	9.33	9.33	9.33	9.33	9.33	9.34	9.34	9.34	9.34	9.34	9.34
96	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34
97	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34
98	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34
99	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34	9.34
100	9.34											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 5: Commutation of Option 4 Death Benefit - Healthy and Disabled Members (Tier 1 / Tier 2 only)
(Present Value of \$1.00 of Monthly Annuity)

Rem. Months	Pres. Value	Rem. Months	Pres. Value	Rem. Months	Pres. Value	Rem. Months	Pres. Value	Rem. Months	Pres. Value	Rem. Months	Pres. Value
180	107.11	150	96.65	120	83.97	90	68.60	60	49.96	30	27.38
179	106.80	149	96.27	119	83.50	89	68.03	59	49.28	29	26.55
178	106.48	148	95.88	118	83.03	88	67.46	58	48.59	28	25.71
177	106.15	147	95.49	117	82.56	87	66.89	57	47.90	27	24.87
176	105.83	146	95.10	116	82.09	86	66.32	56	47.20	26	24.02
175	105.51	145	94.70	115	81.61	85	65.74	55	46.50	25	23.17
174	105.18	144	94.31	114	81.13	84	65.15	54	45.79	24	22.32
173	104.85	143	93.91	113	80.64	83	64.56	53	45.08	23	21.45
172	104.52	142	93.50	112	80.15	82	63.97	52	44.36	22	20.58
171	104.18	141	93.10	111	79.66	81	63.38	51	43.64	21	19.71
170	103.85	140	92.69	110	79.17	80	62.78	50	42.91	20	18.83
169	103.51	139	92.28	109	78.67	79	62.18	49	42.18	19	17.95
168	103.17	138	91.87	108	78.17	78	61.57	48	41.45	18	17.05
167	102.82	137	91.45	107	77.67	77	60.96	47	40.71	17	16.16
166	102.48	136	91.04	106	77.16	76	60.35	46	39.96	16	15.26
165	102.13	135	90.61	105	76.65	75	59.73	45	39.21	15	14.35
164	101.78	134	90.19	104	76.14	74	59.11	44	38.46	14	13.43
163	101.43	133	89.77	103	75.62	73	58.48	43	37.70	13	12.51
162	101.08	132	89.34	102	75.10	72	57.85	42	36.94	12	11.59
161	100.72	131	88.90	101	74.58	71	57.22	41	36.17	11	10.66
160	100.36	130	88.47	100	74.05	70	56.58	40	35.39	10	9.72
159	100.00	129	88.03	99	73.52	69	55.94	39	34.62	9	8.77
158	99.64	128	87.59	98	72.99	68	55.29	38	33.83	8	7.82
157	99.27	127	87.15	97	72.45	67	54.64	37	33.04	7	6.87
156	98.91	126	86.70	96	71.91	66	53.98	36	32.25	6	5.90
155	98.54	125	86.26	95	71.37	65	53.32	35	31.45	5	4.94
154	98.16	124	85.80	94	70.82	64	52.66	34	30.65	4	3.96
153	97.79	123	85.35	93	70.27	63	51.99	33	29.84	3	2.98
152	97.41	122	84.89	92	69.72	62	51.32	32	29.02	2	1.99
151	97.03	121	84.43	91	69.16	61	50.64	31	28.20	1	1.00

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 6a: 100% Joint and Survivor Annuity - Option 2 - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

Beneficiary Age Difference	Attained Age at Retirement																			
	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
Beneficiary 75																				
younger 74																				
than 73																				
Retiree 72																				
71																				
70																				
69																				
68																				
67																				
66																				
65																				
64																				0.680
63																			0.695	0.681
62																	0.710	0.695	0.681	
61																0.724	0.710	0.696	0.681	
60																0.737	0.724	0.710	0.696	0.682
59															0.750	0.738	0.724	0.711	0.697	0.682
58														0.763	0.751	0.738	0.725	0.711	0.697	0.683
57													0.775	0.763	0.751	0.739	0.725	0.712	0.698	0.683
56											0.787	0.776	0.764	0.752	0.739	0.726	0.712	0.698	0.684	
55										0.798	0.787	0.776	0.764	0.752	0.740	0.726	0.713	0.699	0.685	
54									0.809	0.799	0.788	0.777	0.765	0.753	0.740	0.727	0.714	0.700	0.685	
53								0.819	0.809	0.799	0.788	0.777	0.765	0.753	0.741	0.728	0.714	0.700	0.686	
52							0.829	0.820	0.810	0.799	0.789	0.778	0.766	0.754	0.741	0.728	0.715	0.701	0.687	
51						0.838	0.829	0.820	0.810	0.800	0.789	0.778	0.767	0.755	0.742	0.729	0.716	0.702	0.688	
50						0.847	0.839	0.830	0.821	0.811	0.801	0.790	0.779	0.767	0.755	0.743	0.730	0.716	0.703	0.688
49					0.856	0.848	0.839	0.830	0.821	0.811	0.801	0.790	0.779	0.768	0.756	0.743	0.731	0.717	0.703	0.689
48				0.864	0.856	0.848	0.840	0.831	0.822	0.812	0.802	0.791	0.780	0.769	0.757	0.744	0.731	0.718	0.704	0.690
47			0.871	0.864	0.857	0.849	0.840	0.831	0.822	0.813	0.802	0.792	0.781	0.769	0.757	0.745	0.732	0.719	0.705	0.691
46		0.879	0.872	0.865	0.857	0.849	0.841	0.832	0.823	0.813	0.803	0.793	0.782	0.770	0.758	0.746	0.733	0.720	0.706	0.692
45	0.886	0.879	0.872	0.865	0.858	0.850	0.841	0.833	0.823	0.814	0.804	0.793	0.782	0.771	0.759	0.747	0.734	0.721	0.707	0.693
44	0.886	0.880	0.873	0.866	0.858	0.850	0.842	0.833	0.824	0.815	0.805	0.794	0.783	0.772	0.760	0.748	0.735	0.722	0.708	0.694
43	0.886	0.880	0.873	0.866	0.859	0.851	0.843	0.834	0.825	0.815	0.805	0.795	0.784	0.773	0.761	0.749	0.736	0.723	0.709	0.696
42	0.887	0.881	0.874	0.867	0.859	0.852	0.843	0.835	0.826	0.816	0.806	0.796	0.785	0.774	0.762	0.750	0.737	0.724	0.711	0.697
41	0.887	0.881	0.875	0.867	0.860	0.852	0.844	0.836	0.827	0.817	0.807	0.797	0.786	0.775	0.763	0.751	0.738	0.725	0.712	0.698
Beneficiary 40	0.888	0.882	0.875	0.868	0.861	0.853	0.845	0.836	0.827	0.818	0.808	0.798	0.787	0.776	0.764	0.752	0.740	0.727	0.713	0.700
younger 39	0.889	0.882	0.876	0.869	0.862	0.854	0.846	0.837	0.828	0.819	0.809	0.799	0.788	0.777	0.766	0.754	0.741	0.728	0.715	0.701
than 38	0.889	0.883	0.877	0.870	0.862	0.855	0.847	0.838	0.829	0.820	0.810	0.800	0.789	0.778	0.767	0.755	0.742	0.730	0.716	0.703
Retiree 37	0.890	0.884	0.877	0.870	0.863	0.856	0.848	0.839	0.830	0.821	0.811	0.801	0.791	0.780	0.768	0.756	0.744	0.731	0.718	0.704
36	0.891	0.885	0.878	0.871	0.864	0.857	0.849	0.840	0.831	0.822	0.813	0.802	0.792	0.781	0.770	0.758	0.746	0.733	0.720	0.706

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 6a: 100% Joint and Survivor Annuity - Option 2 - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

Beneficiary Age Difference	Beneficiary Age	Attained Age at Retirement																			
		45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
Beneficiary younger than Retiree	35	0.891	0.885	0.879	0.872	0.865	0.858	0.850	0.841	0.833	0.823	0.814	0.804	0.793	0.783	0.771	0.759	0.747	0.735	0.722	0.708
	34	0.892	0.886	0.880	0.873	0.866	0.859	0.851	0.842	0.834	0.825	0.815	0.805	0.795	0.784	0.773	0.761	0.749	0.736	0.723	0.710
	33	0.893	0.887	0.881	0.874	0.867	0.860	0.852	0.844	0.835	0.826	0.817	0.807	0.796	0.786	0.775	0.763	0.751	0.738	0.726	0.712
	32	0.894	0.888	0.882	0.875	0.868	0.861	0.853	0.845	0.836	0.827	0.818	0.808	0.798	0.787	0.776	0.765	0.753	0.741	0.728	0.715
	31	0.895	0.889	0.883	0.876	0.869	0.862	0.854	0.846	0.838	0.829	0.820	0.810	0.800	0.789	0.778	0.767	0.755	0.743	0.730	0.717
	30	0.896	0.890	0.884	0.877	0.871	0.863	0.856	0.848	0.839	0.831	0.821	0.812	0.802	0.791	0.780	0.769	0.757	0.745	0.733	0.720
	29	0.897	0.891	0.885	0.879	0.872	0.865	0.857	0.849	0.841	0.832	0.823	0.813	0.804	0.793	0.782	0.771	0.760	0.748	0.735	0.722
	28	0.898	0.892	0.886	0.880	0.873	0.866	0.859	0.851	0.843	0.834	0.825	0.815	0.806	0.795	0.785	0.774	0.762	0.750	0.738	0.725
	27	0.899	0.893	0.887	0.881	0.875	0.868	0.860	0.852	0.844	0.836	0.827	0.817	0.808	0.798	0.787	0.776	0.765	0.753	0.741	0.728
	26	0.900	0.895	0.889	0.883	0.876	0.869	0.862	0.854	0.846	0.838	0.829	0.820	0.810	0.800	0.790	0.779	0.767	0.756	0.744	0.731
	25	0.902	0.896	0.890	0.884	0.878	0.871	0.864	0.856	0.848	0.840	0.831	0.822	0.812	0.803	0.792	0.781	0.770	0.759	0.747	0.735
	24	0.903	0.897	0.892	0.886	0.879	0.872	0.865	0.858	0.850	0.842	0.833	0.824	0.815	0.805	0.795	0.784	0.773	0.762	0.750	0.738
	23	0.904	0.899	0.893	0.887	0.881	0.874	0.867	0.860	0.852	0.844	0.836	0.827	0.818	0.808	0.798	0.787	0.777	0.765	0.754	0.742
	22	0.906	0.900	0.895	0.889	0.883	0.876	0.869	0.862	0.855	0.847	0.838	0.829	0.820	0.811	0.801	0.791	0.780	0.769	0.758	0.746
	21	0.907	0.902	0.897	0.891	0.885	0.878	0.871	0.864	0.857	0.849	0.841	0.832	0.823	0.814	0.804	0.794	0.784	0.773	0.761	0.750
	20	0.909	0.904	0.898	0.893	0.887	0.880	0.874	0.867	0.859	0.852	0.843	0.835	0.826	0.817	0.808	0.798	0.787	0.777	0.766	0.754
	19	0.910	0.905	0.900	0.895	0.889	0.882	0.876	0.869	0.862	0.854	0.846	0.838	0.829	0.820	0.811	0.801	0.791	0.781	0.770	0.759
	18	0.912	0.907	0.902	0.897	0.891	0.885	0.878	0.872	0.865	0.857	0.849	0.841	0.833	0.824	0.815	0.805	0.795	0.785	0.774	0.763
	17	0.914	0.909	0.904	0.899	0.893	0.887	0.881	0.874	0.867	0.860	0.852	0.844	0.836	0.828	0.819	0.809	0.799	0.789	0.779	0.768
	16	0.916	0.911	0.906	0.901	0.895	0.890	0.883	0.877	0.870	0.863	0.856	0.848	0.840	0.831	0.823	0.813	0.804	0.794	0.784	0.774
	15	0.918	0.913	0.908	0.903	0.898	0.892	0.886	0.880	0.873	0.866	0.859	0.851	0.843	0.835	0.827	0.818	0.808	0.799	0.789	0.779
	14	0.920	0.915	0.910	0.905	0.900	0.895	0.889	0.883	0.876	0.870	0.862	0.855	0.847	0.839	0.831	0.822	0.813	0.804	0.794	0.785
	13	0.922	0.917	0.913	0.908	0.903	0.897	0.892	0.886	0.880	0.873	0.866	0.859	0.851	0.844	0.835	0.827	0.818	0.809	0.800	0.790
	12	0.924	0.920	0.915	0.910	0.905	0.900	0.895	0.889	0.883	0.876	0.870	0.863	0.856	0.848	0.840	0.832	0.823	0.815	0.806	0.797
	11	0.926	0.922	0.917	0.913	0.908	0.903	0.898	0.892	0.886	0.880	0.874	0.867	0.860	0.852	0.845	0.837	0.829	0.820	0.812	0.803
	10	0.928	0.924	0.920	0.916	0.911	0.906	0.901	0.895	0.890	0.884	0.877	0.871	0.864	0.857	0.850	0.842	0.834	0.826	0.818	0.809
	9	0.930	0.927	0.922	0.918	0.914	0.909	0.904	0.899	0.893	0.888	0.881	0.875	0.869	0.862	0.855	0.847	0.840	0.832	0.824	0.816
	8	0.933	0.929	0.925	0.921	0.917	0.912	0.907	0.902	0.897	0.891	0.886	0.880	0.873	0.867	0.860	0.853	0.846	0.838	0.830	0.823
	7	0.935	0.931	0.928	0.924	0.920	0.915	0.911	0.906	0.901	0.895	0.890	0.884	0.878	0.872	0.865	0.858	0.851	0.844	0.837	0.829
	6	0.937	0.934	0.930	0.927	0.923	0.918	0.914	0.909	0.904	0.899	0.894	0.888	0.883	0.877	0.871	0.864	0.857	0.851	0.844	0.837
Beneficiary younger than Retiree	5	0.940	0.936	0.933	0.929	0.926	0.922	0.917	0.913	0.908	0.903	0.898	0.893	0.887	0.882	0.876	0.870	0.863	0.857	0.850	0.844
	4	0.942	0.939	0.936	0.932	0.929	0.925	0.921	0.916	0.912	0.907	0.903	0.898	0.892	0.887	0.881	0.876	0.870	0.863	0.857	0.851
	3	0.944	0.941	0.938	0.935	0.932	0.928	0.924	0.920	0.916	0.912	0.907	0.902	0.897	0.892	0.887	0.881	0.876	0.870	0.864	0.858
	2	0.947	0.944	0.941	0.938	0.935	0.931	0.928	0.924	0.920	0.916	0.911	0.907	0.902	0.897	0.892	0.887	0.882	0.876	0.871	0.865
	1	0.949	0.947	0.944	0.941	0.938	0.934	0.931	0.927	0.924	0.920	0.916	0.911	0.907	0.902	0.898	0.893	0.888	0.883	0.878	0.873
Beneficiary same age as Retiree	0	0.952	0.949	0.946	0.944	0.941	0.938	0.934	0.931	0.927	0.924	0.920	0.916	0.912	0.908	0.903	0.899	0.894	0.889	0.885	0.880

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 6a: 100% Joint and Survivor Annuity - Option 2 - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

Beneficiary Age Difference	Attained Age at Retirement																			
	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
Beneficiary older than Retiree -1	0.954	0.951	0.949	0.946	0.944	0.941	0.938	0.935	0.931	0.928	0.924	0.920	0.917	0.913	0.909	0.904	0.900	0.896	0.891	0.887
-2	0.956	0.954	0.952	0.949	0.947	0.944	0.941	0.938	0.935	0.932	0.928	0.925	0.921	0.918	0.914	0.910	0.906	0.902	0.898	0.894
-3	0.958	0.956	0.954	0.952	0.949	0.947	0.944	0.941	0.939	0.936	0.932	0.929	0.926	0.923	0.919	0.915	0.912	0.908	0.904	0.900
-4	0.961	0.959	0.957	0.954	0.952	0.950	0.947	0.945	0.942	0.939	0.936	0.933	0.930	0.927	0.924	0.921	0.917	0.914	0.910	0.907
-5	0.963	0.961	0.959	0.957	0.955	0.953	0.950	0.948	0.946	0.943	0.940	0.938	0.935	0.932	0.929	0.926	0.923	0.920	0.917	0.914
-6	0.965	0.963	0.961	0.960	0.958	0.956	0.953	0.951	0.949	0.947	0.944	0.942	0.939	0.936	0.934	0.931	0.928	0.925	0.923	0.920
-7	0.967	0.965	0.964	0.962	0.960	0.958	0.956	0.954	0.952	0.950	0.948	0.946	0.943	0.941	0.938	0.936	0.933	0.931	0.928	0.926
-8	0.969	0.967	0.966	0.964	0.963	0.961	0.959	0.957	0.955	0.953	0.951	0.949	0.947	0.945	0.943	0.941	0.938	0.936	0.934	0.932
-9	0.971	0.969	0.968	0.967	0.965	0.964	0.962	0.960	0.959	0.957	0.955	0.953	0.951	0.949	0.947	0.945	0.943	0.941	0.939	0.937
-10	0.973	0.971	0.970	0.969	0.967	0.966	0.965	0.963	0.961	0.960	0.958	0.956	0.955	0.953	0.951	0.949	0.948	0.946	0.944	0.943
-11	0.974	0.973	0.972	0.971	0.970	0.968	0.967	0.966	0.964	0.963	0.961	0.960	0.958	0.957	0.955	0.954	0.952	0.950	0.949	0.948
-12	0.976	0.975	0.974	0.973	0.972	0.971	0.969	0.968	0.967	0.966	0.964	0.963	0.961	0.960	0.959	0.957	0.956	0.955	0.954	0.952
-13	0.978	0.977	0.976	0.975	0.974	0.973	0.972	0.971	0.969	0.968	0.967	0.966	0.965	0.963	0.962	0.961	0.960	0.959	0.958	0.957
-14	0.979	0.978	0.978	0.977	0.976	0.975	0.974	0.973	0.972	0.971	0.970	0.969	0.968	0.967	0.966	0.965	0.964	0.963	0.962	0.961
-15	0.981	0.980	0.979	0.978	0.978	0.977	0.976	0.975	0.974	0.973	0.972	0.971	0.971	0.970	0.969	0.968	0.967	0.966	0.966	0.965
-16	0.982	0.981	0.981	0.980	0.979	0.979	0.978	0.977	0.976	0.976	0.975	0.974	0.973	0.972	0.972	0.971	0.970	0.970	0.969	0.969
-17	0.983	0.983	0.982	0.982	0.981	0.980	0.980	0.979	0.978	0.978	0.977	0.976	0.976	0.975	0.974	0.974	0.973	0.973	0.972	0.972
-18	0.985	0.984	0.984	0.983	0.983	0.982	0.981	0.981	0.980	0.980	0.979	0.979	0.978	0.978	0.977	0.976	0.976	0.975	0.975	0.975
-19	0.986	0.985	0.985	0.985	0.984	0.984	0.983	0.983	0.982	0.982	0.981	0.981	0.980	0.980	0.979	0.979	0.979	0.978	0.978	0.978
-20	0.987	0.987	0.986	0.986	0.985	0.985	0.985	0.984	0.984	0.983	0.983	0.983	0.982	0.982	0.982	0.981	0.981	0.981	0.980	0.980
-21	0.988	0.988	0.987	0.987	0.987	0.986	0.986	0.986	0.985	0.985	0.985	0.984	0.984	0.984	0.984	0.983	0.983	0.983	0.983	0.982
-22	0.989	0.989	0.988	0.988	0.988	0.988	0.987	0.987	0.987	0.987	0.986	0.986	0.986	0.986	0.985	0.985	0.985	0.985	0.985	0.984
-23	0.990	0.990	0.989	0.989	0.989	0.989	0.989	0.988	0.988	0.988	0.988	0.988	0.987	0.987	0.987	0.987	0.987	0.987	0.986	0.986
-24	0.991	0.991	0.990	0.990	0.990	0.990	0.990	0.990	0.989	0.989	0.989	0.989	0.989	0.989	0.989	0.988	0.988	0.988	0.988	0.988
-25	0.992	0.991	0.991	0.991	0.991	0.991	0.991	0.991	0.991	0.991	0.990	0.990	0.990	0.990	0.990	0.990	0.990	0.989	0.989	0.989
-26	0.992	0.992	0.992	0.992	0.992	0.992	0.992	0.992	0.992	0.991	0.991	0.991	0.991	0.991	0.991	0.991	0.991	0.991	0.991	0.990
-27	0.993	0.993	0.993	0.993	0.993	0.993	0.993	0.993	0.993	0.992	0.992	0.992	0.992	0.992	0.992	0.992	0.992	0.992	0.992	0.991
-28	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.993	0.993	0.993	0.993	0.993	0.993	0.993	0.993	0.993	0.993	0.993	0.993	0.992
-29	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.993	0.993
-30	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.994	0.994	0.994
-31	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.994
-32	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.995	0.995
-33	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.995
-34	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.996
-35	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.996
Beneficiary older than Retiree -36	0.997	0.997	0.997	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.996
-37	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.997	0.997	0.997	0.997	0.997
-38	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.997	0.997	0.997	0.997
-39	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.997	0.997	0.997
-40	0.998	0.998	0.998	0.998	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.997	0.997

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 6a: 100% Joint and Survivor Annuity - Option 2 - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

	Beneficiary Age Difference	Attained Age at Retirement																		
		45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
Beneficiary older than Retiree	-41	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.997	0.997
	-42	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.998	0.998	0.998	0.998	0.997
	-43	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.998	0.998	0.998	0.997
	-44	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.998	0.998
	-45	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.998	0.998
	-46	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.998	0.998
	-47	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.998
	-48	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.998
	-49	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.998
	-50	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998
-51	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	
-52	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	
-53	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	
-54	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	
-55	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	
-56	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	
-57	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	
-58	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	
-59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	
-60	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	
Beneficiary older than Retiree	-61	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
	-62	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
	-63	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
	-64	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
	-65	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 6a: 100% Joint and Survivor Annuity - Option 2 - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

	Beneficiary Age Difference	Attained Age at Retirement										
		65	66	67	68	69	70	71	72	73	74	75
Beneficiary younger than Retiree	75											0.494
	74									0.512		0.494
	73								0.531	0.513		0.495
	72							0.549	0.531	0.513		0.495
	71						0.566	0.549	0.531	0.513		0.495
	70					0.584	0.567	0.549	0.532	0.514		0.496
	69				0.601	0.584	0.567	0.550	0.532	0.514		0.496
	68			0.617	0.601	0.584	0.567	0.550	0.532	0.515		0.496
	67		0.634	0.618	0.601	0.585	0.568	0.551	0.533	0.515		0.497
	66	0.649	0.634	0.618	0.602	0.585	0.568	0.551	0.533	0.515		0.497
	65	0.665	0.650	0.634	0.618	0.602	0.586	0.569	0.551	0.534	0.516	0.498
	64	0.665	0.650	0.635	0.619	0.603	0.586	0.569	0.552	0.534	0.516	0.498
	63	0.666	0.651	0.635	0.619	0.603	0.587	0.570	0.552	0.535	0.517	0.499
	62	0.666	0.651	0.636	0.620	0.604	0.587	0.570	0.553	0.535	0.518	0.500
	61	0.667	0.652	0.636	0.620	0.604	0.588	0.571	0.554	0.536	0.518	0.500
	60	0.667	0.652	0.637	0.621	0.605	0.588	0.571	0.554	0.537	0.519	0.501
	59	0.668	0.653	0.637	0.621	0.605	0.589	0.572	0.555	0.537	0.520	0.502
	58	0.668	0.653	0.638	0.622	0.606	0.590	0.573	0.556	0.538	0.520	0.502
	57	0.669	0.654	0.638	0.623	0.607	0.590	0.573	0.556	0.539	0.521	0.503
	56	0.669	0.654	0.639	0.623	0.607	0.591	0.574	0.557	0.540	0.522	0.504
	55	0.670	0.655	0.640	0.624	0.608	0.592	0.575	0.558	0.540	0.523	0.505
	54	0.671	0.656	0.641	0.625	0.609	0.593	0.576	0.559	0.541	0.524	0.506
	53	0.671	0.657	0.641	0.626	0.610	0.593	0.577	0.560	0.542	0.524	0.507
	52	0.672	0.657	0.642	0.627	0.611	0.594	0.578	0.560	0.543	0.525	0.508
	51	0.673	0.658	0.643	0.627	0.612	0.595	0.579	0.561	0.544	0.527	0.509
	50	0.674	0.659	0.644	0.628	0.612	0.596	0.580	0.563	0.545	0.528	0.510
	49	0.675	0.660	0.645	0.629	0.613	0.597	0.581	0.564	0.546	0.529	0.511
	48	0.676	0.661	0.646	0.630	0.615	0.598	0.582	0.565	0.548	0.530	0.512
	47	0.677	0.662	0.647	0.632	0.616	0.600	0.583	0.566	0.549	0.531	0.514
	46	0.678	0.663	0.648	0.633	0.617	0.601	0.584	0.568	0.550	0.533	0.515
	45	0.679	0.664	0.649	0.634	0.618	0.602	0.586	0.569	0.552	0.534	0.517
	44	0.680	0.665	0.651	0.635	0.620	0.604	0.587	0.570	0.553	0.536	0.518
	43	0.681	0.667	0.652	0.637	0.621	0.605	0.589	0.572	0.555	0.538	0.520
	42	0.683	0.668	0.653	0.638	0.623	0.607	0.590	0.574	0.557	0.540	0.522
	41	0.684	0.670	0.655	0.640	0.624	0.608	0.592	0.576	0.559	0.542	0.524
Beneficiary younger than Retiree	40	0.686	0.671	0.656	0.641	0.626	0.610	0.594	0.578	0.561	0.544	0.526
	39	0.687	0.673	0.658	0.643	0.628	0.612	0.596	0.580	0.563	0.546	0.529
	38	0.689	0.675	0.660	0.645	0.630	0.614	0.598	0.582	0.565	0.548	0.531
	37	0.691	0.676	0.662	0.647	0.632	0.616	0.601	0.584	0.568	0.551	0.534
	36	0.693	0.678	0.664	0.649	0.634	0.619	0.603	0.587	0.570	0.553	0.536

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 6a: 100% Joint and Survivor Annuity - Option 2 - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

	Beneficiary Age Difference	Attained Age at Retirement										
		65	66	67	68	69	70	71	72	73	74	75
Beneficiary younger than Retiree	35	0.695	0.681	0.666	0.652	0.637	0.621	0.605	0.589	0.573	0.556	0.539
	34	0.697	0.683	0.669	0.654	0.639	0.624	0.608	0.592	0.576	0.559	0.542
	33	0.699	0.685	0.671	0.657	0.642	0.627	0.611	0.595	0.579	0.562	0.545
	32	0.701	0.688	0.674	0.659	0.645	0.629	0.614	0.598	0.582	0.566	0.549
	31	0.704	0.690	0.676	0.662	0.648	0.633	0.617	0.602	0.586	0.569	0.553
	30	0.706	0.693	0.679	0.665	0.651	0.636	0.621	0.605	0.589	0.573	0.557
	29	0.709	0.696	0.682	0.668	0.654	0.639	0.624	0.609	0.593	0.577	0.561
	28	0.712	0.699	0.686	0.672	0.658	0.643	0.628	0.613	0.597	0.581	0.565
	27	0.715	0.702	0.689	0.675	0.661	0.647	0.632	0.617	0.602	0.586	0.570
	26	0.719	0.706	0.693	0.679	0.665	0.651	0.636	0.621	0.606	0.591	0.575
	25	0.722	0.709	0.696	0.683	0.669	0.655	0.641	0.626	0.611	0.596	0.580
	24	0.726	0.713	0.700	0.687	0.674	0.660	0.646	0.631	0.616	0.601	0.586
	23	0.730	0.717	0.705	0.692	0.678	0.665	0.651	0.636	0.622	0.607	0.592
	22	0.734	0.722	0.709	0.696	0.683	0.670	0.656	0.642	0.628	0.613	0.598
	21	0.738	0.726	0.714	0.701	0.689	0.675	0.662	0.648	0.634	0.619	0.605
	20	0.743	0.731	0.719	0.707	0.694	0.681	0.668	0.654	0.640	0.626	0.612
	19	0.747	0.736	0.724	0.712	0.700	0.687	0.674	0.661	0.647	0.633	0.619
	18	0.752	0.741	0.730	0.718	0.706	0.693	0.681	0.668	0.654	0.641	0.627
	17	0.758	0.747	0.735	0.724	0.712	0.700	0.688	0.675	0.662	0.649	0.635
	16	0.763	0.752	0.741	0.730	0.719	0.707	0.695	0.682	0.670	0.657	0.644
	15	0.769	0.758	0.748	0.737	0.726	0.714	0.702	0.690	0.678	0.665	0.653
	14	0.775	0.764	0.754	0.744	0.733	0.722	0.710	0.699	0.687	0.675	0.662
	13	0.781	0.771	0.761	0.751	0.740	0.730	0.719	0.707	0.696	0.684	0.672
	12	0.787	0.778	0.768	0.758	0.748	0.738	0.727	0.716	0.705	0.694	0.682
	11	0.794	0.785	0.775	0.766	0.756	0.746	0.736	0.726	0.715	0.704	0.693
	10	0.801	0.792	0.783	0.774	0.764	0.755	0.745	0.735	0.725	0.714	0.704
	9	0.807	0.799	0.791	0.782	0.773	0.764	0.755	0.745	0.735	0.725	0.715
	8	0.815	0.807	0.798	0.790	0.782	0.773	0.764	0.755	0.746	0.736	0.726
	7	0.822	0.814	0.807	0.799	0.791	0.783	0.774	0.765	0.757	0.748	0.738
	6	0.829	0.822	0.815	0.807	0.800	0.792	0.784	0.776	0.768	0.759	0.750
Beneficiary younger than Retiree	5	0.837	0.830	0.823	0.816	0.809	0.802	0.794	0.787	0.779	0.771	0.763
	4	0.844	0.838	0.832	0.825	0.818	0.812	0.805	0.797	0.790	0.783	0.775
	3	0.852	0.846	0.840	0.834	0.828	0.821	0.815	0.808	0.802	0.795	0.788
	2	0.860	0.854	0.849	0.843	0.837	0.831	0.825	0.819	0.813	0.807	0.801
	1	0.867	0.862	0.857	0.852	0.846	0.841	0.836	0.830	0.825	0.819	0.813
Beneficiary same age as Retiree	0	0.875	0.870	0.865	0.861	0.856	0.851	0.846	0.841	0.836	0.831	0.826

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 6a: 100% Joint and Survivor Annuity - Option 2 - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

Beneficiary Age Difference	Attained Age at Retirement											
	65	66	67	68	69	70	71	72	73	74	75	
Beneficiary older than Retiree -1	0.882	0.878	0.874	0.869	0.865	0.861	0.856	0.852	0.847	0.843	0.838	
-2	0.890	0.886	0.882	0.878	0.874	0.870	0.866	0.862	0.858	0.854	0.851	
-3	0.897	0.893	0.890	0.886	0.883	0.879	0.876	0.873	0.869	0.866	0.862	
-4	0.904	0.901	0.897	0.894	0.891	0.888	0.886	0.883	0.880	0.877	0.874	
-5	0.911	0.908	0.905	0.902	0.900	0.897	0.895	0.892	0.890	0.887	0.885	
-6	0.917	0.915	0.912	0.910	0.908	0.906	0.904	0.902	0.899	0.897	0.895	
-7	0.924	0.921	0.919	0.918	0.916	0.914	0.912	0.910	0.909	0.907	0.905	
-8	0.930	0.928	0.926	0.925	0.923	0.922	0.920	0.919	0.917	0.916	0.914	
-9	0.936	0.934	0.933	0.931	0.930	0.929	0.928	0.926	0.925	0.924	0.923	
-10	0.941	0.940	0.939	0.938	0.937	0.936	0.935	0.934	0.933	0.932	0.931	
-11	0.946	0.945	0.944	0.944	0.943	0.942	0.941	0.941	0.940	0.939	0.938	
-12	0.951	0.951	0.950	0.949	0.949	0.948	0.947	0.947	0.946	0.945	0.945	
-13	0.956	0.955	0.955	0.954	0.954	0.953	0.953	0.952	0.952	0.951	0.951	
-14	0.960	0.960	0.959	0.959	0.959	0.958	0.958	0.958	0.957	0.957	0.956	
-15	0.964	0.964	0.964	0.963	0.963	0.963	0.963	0.962	0.962	0.961	0.960	
-16	0.968	0.968	0.968	0.967	0.967	0.967	0.967	0.966	0.966	0.965	0.964	
-17	0.972	0.971	0.971	0.971	0.971	0.971	0.970	0.970	0.970	0.969	0.968	
-18	0.975	0.974	0.974	0.974	0.974	0.974	0.974	0.973	0.973	0.972	0.971	
-19	0.977	0.977	0.977	0.977	0.977	0.977	0.977	0.976	0.976	0.975	0.974	
-20	0.980	0.980	0.980	0.980	0.980	0.979	0.979	0.979	0.978	0.977	0.976	
-21	0.982	0.982	0.982	0.982	0.982	0.982	0.981	0.981	0.980	0.979	0.978	
-22	0.984	0.984	0.984	0.984	0.984	0.983	0.983	0.983	0.982	0.981	0.980	
-23	0.986	0.986	0.986	0.986	0.985	0.985	0.985	0.984	0.983	0.983	0.982	
-24	0.988	0.988	0.988	0.987	0.987	0.987	0.986	0.986	0.985	0.984	0.983	
-25	0.989	0.989	0.989	0.988	0.988	0.988	0.987	0.987	0.986	0.985	0.984	
-26	0.990	0.990	0.990	0.990	0.989	0.989	0.988	0.988	0.987	0.986	0.985	
-27	0.991	0.991	0.991	0.991	0.990	0.990	0.989	0.989	0.988	0.987	0.986	
-28	0.992	0.992	0.992	0.991	0.991	0.991	0.990	0.989	0.989	0.988	0.987	
-29	0.993	0.993	0.992	0.992	0.992	0.991	0.991	0.990	0.989	0.988	0.987	
-30	0.994	0.993	0.993	0.993	0.992	0.992	0.991	0.991	0.990	0.989	0.988	
-31	0.994	0.994	0.994	0.993	0.993	0.992	0.992	0.991	0.990	0.989	0.988	
-32	0.995	0.994	0.994	0.994	0.993	0.993	0.992	0.992	0.991	0.990	0.989	
-33	0.995	0.995	0.994	0.994	0.994	0.993	0.993	0.992	0.991	0.990	0.989	
-34	0.995	0.995	0.995	0.994	0.994	0.993	0.993	0.992	0.991	0.990	0.989	
-35	0.996	0.995	0.995	0.995	0.994	0.994	0.993	0.992	0.992	0.991	0.990	
Beneficiary older than Retiree -36	0.996	0.996	0.995	0.995	0.995	0.994	0.993	0.993	0.992	0.991		
-37	0.996	0.996	0.996	0.995	0.995	0.994	0.994	0.993	0.992			
-38	0.996	0.996	0.996	0.995	0.995	0.994	0.994	0.993				
-39	0.997	0.996	0.996	0.996	0.995	0.995	0.994					
-40	0.997	0.996	0.996	0.996	0.995	0.995						

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 6a: 100% Joint and Survivor Annuity - Option 2 - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

	Beneficiary Age Difference	Attained Age at Retirement										
		65	66	67	68	69	70	71	72	73	74	75
Beneficiary	-41	0.997	0.997	0.996	0.996	0.995						
older	-42	0.997	0.997	0.996	0.996							
than	-43	0.997	0.997	0.996								
Retiree	-44	0.997	0.997									
	-45	0.997										
	-46											
	-47											
	-48											
	-49											
	-50											
	-51											
	-52											
	-53											
	-54											
	-55											
	-56											
	-57											
	-58											
	-59											
	-60											
Beneficiary	-61											
older	-62											
than	-63											
Retiree	-64											
	-65											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 6b: 100% Joint and Survivor Annuity - Option 2 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

Beneficiary Age Difference	Attained Age at Retirement																			
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Beneficiary 70																				
younger 69																				
than 68																				
Retiree 67																				
66																				
65																				
64																				
63																				
62																				
61																				
60																				
59																				
58																				
57																				
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49																				
48																				
47																				
46																				
45																				
44																				
43																				
42																				
41																				
40																				
39																				0.700
38																			0.702	0.701
37																		0.704	0.702	0.701
36																	0.705	0.704	0.703	0.702
Beneficiary 35																0.706	0.705	0.704	0.703	0.702
younger 34															0.708	0.707	0.706	0.705	0.704	0.703
than 33														0.709	0.708	0.707	0.706	0.705	0.704	0.703
Retiree 32													0.710	0.709	0.708	0.707	0.706	0.705	0.704	0.703
31												0.711	0.710	0.709	0.708	0.707	0.706	0.705	0.704	0.703

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 6b: 100% Joint and Survivor Annuity - Option 2 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Beneficiary younger than Retiree	30											0.712	0.711	0.711	0.710	0.709	0.709	0.708	0.707	0.706	0.705
	29										0.712	0.711	0.711	0.710	0.710	0.709	0.708	0.707	0.706	0.705	0.705
Beneficiary younger than Retiree	28								0.713	0.713	0.712	0.712	0.711	0.711	0.710	0.709	0.708	0.707	0.706	0.705	0.705
	27								0.714	0.714	0.713	0.713	0.712	0.712	0.711	0.711	0.710	0.709	0.708	0.707	0.706
Beneficiary younger than Retiree	26							0.715	0.714	0.714	0.714	0.713	0.713	0.712	0.712	0.711	0.711	0.710	0.709	0.708	0.707
	25						0.715	0.715	0.715	0.714	0.714	0.714	0.713	0.713	0.713	0.712	0.711	0.711	0.710	0.709	0.708
Beneficiary younger than Retiree	24					0.716	0.716	0.716	0.715	0.715	0.715	0.714	0.714	0.713	0.713	0.712	0.711	0.711	0.710	0.709	0.708
	23				0.716	0.716	0.716	0.716	0.716	0.715	0.715	0.715	0.714	0.714	0.713	0.713	0.712	0.711	0.711	0.710	0.709
Beneficiary younger than Retiree	22			0.717	0.716	0.716	0.716	0.716	0.716	0.716	0.716	0.715	0.715	0.715	0.714	0.714	0.714	0.713	0.713	0.712	0.711
	21		0.717	0.717	0.717	0.717	0.717	0.717	0.717	0.716	0.716	0.716	0.716	0.715	0.715	0.715	0.714	0.714	0.713	0.713	0.712
Beneficiary younger than Retiree	20	0.717	0.717	0.717	0.717	0.717	0.717	0.717	0.717	0.717	0.717	0.717	0.716	0.716	0.716	0.716	0.715	0.715	0.714	0.714	0.713
	19	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.717	0.717	0.717	0.717	0.717	0.716	0.716	0.715	0.715	0.714	0.714
Beneficiary younger than Retiree	18	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.717	0.717	0.717	0.716	0.716	0.715
	17	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.718	0.718	0.718	0.718	0.717	0.717	0.717
Beneficiary younger than Retiree	16	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.720	0.720	0.720	0.720	0.720	0.719	0.719	0.719	0.719	0.719	0.719	0.718	0.718
	15	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.719
Beneficiary younger than Retiree	14	0.720	0.720	0.720	0.720	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721
	13	0.721	0.721	0.721	0.721	0.721	0.721	0.722	0.722	0.722	0.722	0.722	0.722	0.722	0.722	0.722	0.722	0.722	0.722	0.722	0.722
Beneficiary younger than Retiree	12	0.721	0.721	0.722	0.722	0.722	0.722	0.722	0.723	0.723	0.723	0.723	0.723	0.723	0.723	0.724	0.724	0.724	0.724	0.724	0.724
	11	0.722	0.722	0.722	0.722	0.723	0.723	0.723	0.723	0.724	0.724	0.724	0.724	0.725	0.725	0.725	0.725	0.725	0.725	0.725	0.725
Beneficiary younger than Retiree	10	0.722	0.723	0.723	0.723	0.723	0.724	0.724	0.724	0.725	0.725	0.725	0.725	0.726	0.726	0.726	0.726	0.727	0.727	0.727	0.727
	9	0.723	0.723	0.724	0.724	0.724	0.725	0.725	0.725	0.726	0.726	0.726	0.727	0.727	0.727	0.728	0.728	0.728	0.729	0.729	0.729
Beneficiary younger than Retiree	8	0.724	0.724	0.724	0.725	0.725	0.725	0.726	0.726	0.727	0.727	0.728	0.728	0.729	0.729	0.730	0.730	0.731	0.731	0.731	0.731
	7	0.724	0.725	0.725	0.726	0.726	0.726	0.727	0.727	0.728	0.728	0.729	0.729	0.730	0.730	0.731	0.731	0.732	0.732	0.733	0.733
Beneficiary younger than Retiree	6	0.725	0.726	0.726	0.726	0.727	0.727	0.728	0.728	0.729	0.729	0.730	0.731	0.731	0.732	0.732	0.733	0.733	0.734	0.735	0.735
	5	0.726	0.726	0.727	0.727	0.728	0.728	0.729	0.730	0.730	0.731	0.731	0.732	0.733	0.733	0.734	0.735	0.735	0.736	0.737	0.737
Beneficiary younger than Retiree	4	0.727	0.727	0.728	0.728	0.729	0.729	0.730	0.731	0.731	0.732	0.733	0.733	0.734	0.735	0.736	0.736	0.737	0.738	0.739	0.740
	3	0.728	0.728	0.729	0.729	0.730	0.731	0.731	0.732	0.733	0.733	0.734	0.735	0.736	0.737	0.738	0.738	0.739	0.740	0.741	0.742
Beneficiary younger than Retiree	2	0.728	0.729	0.730	0.730	0.731	0.732	0.733	0.733	0.734	0.735	0.736	0.737	0.738	0.739	0.739	0.740	0.741	0.743	0.744	0.745
	1	0.729	0.730	0.731	0.731	0.732	0.733	0.734	0.735	0.736	0.736	0.737	0.738	0.739	0.740	0.742	0.743	0.744	0.745	0.746	0.747
Beneficiary same age as Retiree	0	0.730	0.731	0.732	0.733	0.733	0.734	0.735	0.736	0.737	0.738	0.739	0.740	0.741	0.742	0.744	0.745	0.746	0.747	0.749	0.750

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 6b: 100% Joint and Survivor Annuity - Option 2 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Beneficiary	-1	0.731	0.732	0.733	0.734	0.735	0.736	0.737	0.738	0.739	0.740	0.741	0.742	0.743	0.745	0.746	0.747	0.749	0.750	0.751	0.753
older	-2	0.733	0.733	0.734	0.735	0.736	0.737	0.738	0.739	0.740	0.742	0.743	0.744	0.745	0.747	0.748	0.750	0.751	0.753	0.754	0.756
than	-3	0.734	0.735	0.736	0.736	0.738	0.739	0.740	0.741	0.742	0.743	0.745	0.746	0.747	0.749	0.750	0.752	0.754	0.755	0.757	0.759
Retiree	-4	0.735	0.736	0.737	0.738	0.739	0.740	0.741	0.743	0.744	0.745	0.747	0.748	0.750	0.751	0.753	0.755	0.756	0.758	0.760	0.762
	-5	0.736	0.737	0.738	0.739	0.741	0.742	0.743	0.744	0.746	0.747	0.749	0.750	0.752	0.754	0.756	0.757	0.759	0.761	0.763	0.765
	-6	0.737	0.739	0.740	0.741	0.742	0.743	0.745	0.746	0.748	0.749	0.751	0.753	0.754	0.756	0.758	0.760	0.762	0.764	0.767	0.769
	-7	0.739	0.740	0.741	0.742	0.744	0.745	0.747	0.748	0.750	0.752	0.753	0.755	0.757	0.759	0.761	0.763	0.765	0.768	0.770	0.772
	-8	0.740	0.741	0.743	0.744	0.746	0.747	0.749	0.750	0.752	0.754	0.756	0.758	0.760	0.762	0.764	0.766	0.769	0.771	0.774	0.776
	-9	0.742	0.743	0.744	0.746	0.747	0.749	0.751	0.752	0.754	0.756	0.758	0.760	0.762	0.765	0.767	0.769	0.772	0.774	0.777	0.780
	-10	0.743	0.745	0.746	0.748	0.749	0.751	0.753	0.755	0.757	0.759	0.761	0.763	0.765	0.768	0.770	0.773	0.775	0.778	0.781	0.784
	-11	0.745	0.746	0.748	0.750	0.751	0.753	0.755	0.757	0.759	0.761	0.763	0.766	0.768	0.771	0.773	0.776	0.779	0.782	0.785	0.788
	-12	0.747	0.748	0.750	0.752	0.753	0.755	0.757	0.759	0.761	0.764	0.766	0.769	0.771	0.774	0.777	0.779	0.782	0.786	0.789	0.792
	-13	0.748	0.750	0.752	0.754	0.756	0.758	0.760	0.762	0.764	0.766	0.769	0.772	0.774	0.777	0.780	0.783	0.786	0.789	0.793	0.796
	-14	0.750	0.752	0.754	0.756	0.758	0.760	0.762	0.764	0.767	0.769	0.772	0.775	0.778	0.780	0.784	0.787	0.790	0.794	0.797	0.801
	-15	0.752	0.754	0.756	0.758	0.760	0.762	0.765	0.767	0.770	0.772	0.775	0.778	0.781	0.784	0.787	0.791	0.794	0.798	0.801	0.805
	-16	0.754	0.756	0.758	0.760	0.763	0.765	0.767	0.770	0.773	0.775	0.778	0.781	0.784	0.788	0.791	0.795	0.798	0.802	0.806	0.810
	-17	0.756	0.758	0.761	0.763	0.765	0.768	0.770	0.773	0.776	0.779	0.782	0.785	0.788	0.792	0.795	0.799	0.803	0.807	0.811	0.815
	-18	0.758	0.761	0.763	0.765	0.768	0.770	0.773	0.776	0.779	0.782	0.785	0.788	0.792	0.795	0.799	0.803	0.807	0.811	0.815	0.820
	-19	0.761	0.763	0.765	0.768	0.771	0.773	0.776	0.779	0.782	0.785	0.789	0.792	0.796	0.800	0.803	0.807	0.812	0.816	0.820	0.825
	-20	0.763	0.766	0.768	0.771	0.773	0.776	0.779	0.782	0.786	0.789	0.792	0.796	0.800	0.804	0.808	0.812	0.816	0.821	0.825	0.830
	-21	0.766	0.768	0.771	0.774	0.776	0.779	0.783	0.786	0.789	0.793	0.796	0.800	0.804	0.808	0.812	0.817	0.821	0.826	0.830	0.835
	-22	0.768	0.771	0.774	0.777	0.780	0.783	0.786	0.789	0.793	0.797	0.800	0.804	0.808	0.813	0.817	0.821	0.826	0.831	0.836	0.840
	-23	0.771	0.774	0.777	0.780	0.783	0.786	0.790	0.793	0.797	0.801	0.805	0.809	0.813	0.817	0.822	0.826	0.831	0.836	0.841	0.846
	-24	0.774	0.777	0.780	0.783	0.786	0.790	0.793	0.797	0.801	0.805	0.809	0.813	0.817	0.822	0.827	0.831	0.836	0.841	0.846	0.851
	-25	0.777	0.780	0.783	0.786	0.790	0.793	0.797	0.801	0.805	0.809	0.813	0.818	0.822	0.827	0.832	0.837	0.842	0.847	0.852	0.857
	-26	0.780	0.783	0.787	0.790	0.794	0.797	0.801	0.805	0.809	0.813	0.818	0.822	0.827	0.832	0.837	0.842	0.847	0.852	0.857	0.863
	-27	0.783	0.787	0.790	0.794	0.797	0.801	0.805	0.809	0.814	0.818	0.823	0.827	0.832	0.837	0.842	0.847	0.853	0.858	0.863	0.868
	-28	0.787	0.790	0.794	0.798	0.801	0.805	0.810	0.814	0.818	0.823	0.827	0.832	0.837	0.842	0.847	0.853	0.858	0.863	0.869	0.874
	-29	0.790	0.794	0.798	0.801	0.805	0.810	0.814	0.818	0.823	0.828	0.832	0.837	0.842	0.848	0.853	0.858	0.864	0.869	0.874	0.880
	-30	0.794	0.798	0.802	0.806	0.810	0.814	0.819	0.823	0.828	0.833	0.838	0.843	0.848	0.853	0.858	0.864	0.869	0.875	0.880	0.886
	-31	0.798	0.802	0.806	0.810	0.814	0.819	0.823	0.828	0.833	0.838	0.843	0.848	0.853	0.859	0.864	0.869	0.875	0.880	0.886	0.891
	-32	0.802	0.806	0.810	0.814	0.819	0.823	0.828	0.833	0.838	0.843	0.848	0.853	0.859	0.864	0.870	0.875	0.881	0.886	0.892	0.897
	-33	0.806	0.810	0.814	0.819	0.823	0.828	0.833	0.838	0.843	0.848	0.854	0.859	0.864	0.870	0.875	0.881	0.886	0.892	0.897	0.903
	-34	0.810	0.815	0.819	0.824	0.828	0.833	0.838	0.843	0.848	0.854	0.859	0.864	0.870	0.875	0.881	0.887	0.892	0.898	0.903	0.909
	-35	0.815	0.819	0.824	0.828	0.833	0.838	0.843	0.849	0.854	0.859	0.865	0.870	0.876	0.881	0.887	0.892	0.898	0.903	0.909	0.914
Beneficiary	-36	0.819	0.824	0.828	0.833	0.838	0.843	0.849	0.854	0.859	0.865	0.870	0.876	0.881	0.887	0.892	0.898	0.904	0.909	0.915	0.920
older	-37	0.824	0.829	0.833	0.838	0.844	0.849	0.854	0.859	0.865	0.870	0.876	0.881	0.887	0.893	0.898	0.904	0.909	0.915	0.920	0.926
than	-38	0.829	0.834	0.839	0.844	0.849	0.854	0.860	0.865	0.870	0.876	0.882	0.887	0.893	0.898	0.904	0.909	0.915	0.920	0.926	0.931
Retiree	-39	0.834	0.839	0.844	0.849	0.854	0.860	0.865	0.871	0.876	0.882	0.887	0.893	0.898	0.904	0.910	0.915	0.921	0.926	0.931	0.936
	-40	0.839	0.844	0.849	0.854	0.860	0.865	0.871	0.876	0.882	0.887	0.893	0.899	0.904	0.910	0.915	0.921	0.926	0.931	0.936	0.941

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 6b: 100% Joint and Survivor Annuity - Option 2 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Beneficiary older than Retiree	-41	0.844	0.849	0.854	0.860	0.865	0.871	0.876	0.882	0.887	0.893	0.899	0.904	0.910	0.915	0.921	0.926	0.931	0.936	0.941	0.946
	-42	0.849	0.855	0.860	0.865	0.871	0.876	0.882	0.888	0.893	0.899	0.904	0.910	0.916	0.921	0.926	0.931	0.936	0.941	0.946	0.950
	-43	0.855	0.860	0.865	0.871	0.876	0.882	0.888	0.893	0.899	0.905	0.910	0.916	0.921	0.926	0.932	0.937	0.941	0.946	0.951	0.955
	-44	0.860	0.866	0.871	0.877	0.882	0.888	0.893	0.899	0.905	0.910	0.916	0.921	0.926	0.932	0.937	0.942	0.946	0.951	0.955	0.959
	-45	0.866	0.871	0.877	0.882	0.888	0.893	0.899	0.905	0.910	0.916	0.921	0.927	0.932	0.937	0.942	0.946	0.951	0.955	0.959	0.963
	-46	0.871	0.877	0.882	0.888	0.894	0.899	0.905	0.910	0.916	0.921	0.927	0.932	0.937	0.942	0.946	0.951	0.955	0.959	0.963	0.966
	-47	0.877	0.882	0.888	0.894	0.899	0.905	0.910	0.916	0.921	0.927	0.932	0.937	0.942	0.946	0.951	0.955	0.959	0.963	0.966	0.970
	-48	0.882	0.888	0.894	0.899	0.905	0.911	0.916	0.921	0.927	0.932	0.937	0.942	0.947	0.951	0.955	0.959	0.963	0.966	0.970	0.973
	-49	0.888	0.894	0.899	0.905	0.911	0.916	0.922	0.927	0.932	0.937	0.942	0.947	0.951	0.955	0.959	0.963	0.967	0.970	0.973	0.975
	-50	0.894	0.899	0.905	0.911	0.916	0.922	0.927	0.932	0.937	0.942	0.947	0.951	0.955	0.959	0.963	0.967	0.970	0.973	0.975	0.978
-51	0.899	0.905	0.911	0.916	0.922	0.927	0.932	0.937	0.942	0.947	0.951	0.955	0.959	0.963	0.967	0.970	0.973	0.975	0.978	0.980	
-52	0.905	0.911	0.916	0.922	0.927	0.932	0.937	0.942	0.947	0.951	0.955	0.959	0.963	0.967	0.970	0.973	0.976	0.978	0.980	0.982	
-53	0.911	0.916	0.922	0.927	0.932	0.937	0.942	0.947	0.951	0.956	0.960	0.963	0.967	0.970	0.973	0.976	0.978	0.980	0.982	0.984	
-54	0.916	0.922	0.927	0.932	0.937	0.942	0.947	0.951	0.956	0.960	0.963	0.967	0.970	0.973	0.976	0.978	0.980	0.982	0.984	0.985	
-55	0.922	0.927	0.932	0.937	0.942	0.947	0.951	0.956	0.960	0.963	0.967	0.970	0.973	0.976	0.978	0.980	0.982	0.984	0.985	0.986	
-56	0.927	0.932	0.937	0.942	0.947	0.951	0.956	0.960	0.963	0.967	0.970	0.973	0.976	0.978	0.980	0.982	0.984	0.985	0.986	0.988	
-57	0.932	0.937	0.942	0.947	0.951	0.956	0.960	0.963	0.967	0.970	0.973	0.976	0.978	0.980	0.982	0.984	0.985	0.986	0.988	0.989	
-58	0.938	0.942	0.947	0.952	0.956	0.960	0.963	0.967	0.970	0.973	0.976	0.978	0.980	0.982	0.984	0.985	0.986	0.988	0.989	0.989	
-59	0.942	0.947	0.952	0.956	0.960	0.963	0.967	0.970	0.973	0.976	0.978	0.980	0.982	0.984	0.985	0.986	0.988	0.989	0.989	0.990	
-60	0.947	0.952	0.956	0.960	0.964	0.967	0.970	0.973	0.976	0.978	0.980	0.982	0.984	0.985	0.987	0.988	0.989	0.989	0.990	0.991	
-61	0.952	0.956	0.960	0.964	0.967	0.970	0.973	0.976	0.978	0.980	0.982	0.984	0.985	0.987	0.988	0.989	0.989	0.990	0.991	0.991	
-62	0.956	0.960	0.964	0.967	0.970	0.973	0.976	0.978	0.980	0.982	0.984	0.985	0.987	0.988	0.989	0.989	0.990	0.991	0.991	0.992	
-63	0.960	0.964	0.967	0.970	0.973	0.976	0.978	0.980	0.982	0.984	0.985	0.987	0.988	0.989	0.990	0.990	0.991	0.991	0.992	0.992	
-64	0.964	0.967	0.970	0.973	0.976	0.978	0.980	0.982	0.984	0.985	0.987	0.988	0.989	0.990	0.990	0.991	0.991	0.992	0.992	0.993	
-65	0.967	0.970	0.973	0.976	0.978	0.980	0.982	0.984	0.985	0.987	0.988	0.989	0.990	0.990	0.991	0.991	0.992	0.992	0.993	0.993	
-66	0.970	0.973	0.976	0.978	0.980	0.982	0.984	0.985	0.987	0.988	0.989	0.990	0.990	0.991	0.991	0.992	0.992	0.993	0.993	0.993	
-67	0.973	0.976	0.978	0.980	0.982	0.984	0.985	0.987	0.988	0.989	0.990	0.990	0.991	0.991	0.992	0.992	0.993	0.993	0.993	0.994	
-68	0.976	0.978	0.980	0.982	0.984	0.985	0.987	0.988	0.989	0.990	0.990	0.991	0.991	0.992	0.992	0.993	0.993	0.993	0.994	0.994	
-69	0.978	0.980	0.982	0.984	0.985	0.987	0.988	0.989	0.990	0.990	0.991	0.991	0.992	0.992	0.993	0.993	0.993	0.994	0.994	0.994	
-70	0.980	0.982	0.984	0.985	0.987	0.988	0.989	0.990	0.990	0.991	0.991	0.992	0.992	0.993	0.993	0.993	0.994	0.994	0.994	0.994	
-71	0.982	0.984	0.985	0.987	0.988	0.989	0.990	0.990	0.991	0.992	0.992	0.992	0.993	0.993	0.993	0.994	0.994	0.994	0.994	0.994	
-72	0.984	0.985	0.987	0.988	0.989	0.990	0.990	0.991	0.992	0.992	0.992	0.993	0.993	0.993	0.994	0.994	0.994	0.994	0.994	0.994	
-73	0.985	0.987	0.988	0.989	0.990	0.990	0.991	0.992	0.992	0.992	0.993	0.993	0.993	0.994	0.994	0.994	0.994	0.994	0.994	0.994	
-74	0.987	0.988	0.989	0.990	0.990	0.991	0.992	0.992	0.992	0.993	0.993	0.993	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	
-75	0.988	0.989	0.990	0.990	0.991	0.992	0.992	0.992	0.993	0.993	0.993	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	
-76	0.989	0.990	0.990	0.991	0.992	0.992	0.992	0.993	0.993	0.993	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	
-77	0.990	0.990	0.991	0.992	0.992	0.992	0.993	0.993	0.993	0.993	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	
-78	0.990	0.991	0.992	0.992	0.992	0.993	0.993	0.993	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	
-79	0.991	0.992	0.992	0.992	0.993	0.993	0.993	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	
-80	0.992	0.992	0.992	0.993	0.993	0.993	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 6b: 100% Joint and Survivor Annuity - Option 2 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Beneficiary	-81	0.992	0.993	0.993	0.993	0.993	0.994	0.994	0.994	0.994	0.994	0.994									
older	-82	0.993	0.993	0.993	0.993	0.994	0.994	0.994	0.994	0.994	0.994										
than	-83	0.993	0.993	0.993	0.994	0.994	0.994	0.994	0.994												
Retiree	-84	0.993	0.993	0.994	0.994	0.994	0.994	0.994													
	-85	0.993	0.994	0.994	0.994	0.994	0.994														
	-86	0.994	0.994	0.994	0.994	0.994															
	-87	0.994	0.994	0.994	0.994																
	-88	0.994	0.994	0.994																	
	-89	0.994	0.994																		
	-90	0.994																			

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 6b: 100% Joint and Survivor Annuity - Option 2 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

Beneficiary Age Difference	Attained Age at Retirement																				
	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
Beneficiary younger than Retiree	70																				
	69																				
	68																				
	67																				
	66																				
	65																				
	64																				
	63																				
	62																				
	61																				
	60																				
	59																			0.614	
	58																		0.622	0.614	
	57																	0.630	0.622	0.614	
	56																0.637	0.630	0.623	0.615	
	55															0.644	0.637	0.631	0.623	0.615	
	54														0.650	0.644	0.638	0.631	0.624	0.616	
	53													0.655	0.650	0.644	0.638	0.631	0.624	0.616	
	52												0.660	0.656	0.650	0.645	0.639	0.632	0.625	0.617	
	51											0.665	0.661	0.656	0.651	0.645	0.639	0.632	0.625	0.617	
	50										0.670	0.665	0.661	0.656	0.651	0.646	0.639	0.633	0.626	0.618	
	49										0.674	0.670	0.666	0.662	0.657	0.652	0.646	0.640	0.633	0.626	0.618
	48								0.677	0.674	0.670	0.666	0.662	0.657	0.652	0.647	0.641	0.634	0.627	0.619	
	47							0.681	0.678	0.674	0.671	0.667	0.662	0.658	0.653	0.647	0.641	0.635	0.628	0.620	
	46						0.684	0.681	0.678	0.675	0.671	0.667	0.663	0.658	0.653	0.648	0.642	0.635	0.628	0.620	
	45					0.687	0.684	0.682	0.679	0.675	0.672	0.668	0.663	0.659	0.654	0.648	0.642	0.636	0.629	0.621	
	44				0.690	0.687	0.685	0.682	0.679	0.676	0.672	0.668	0.664	0.659	0.654	0.649	0.643	0.637	0.630	0.622	
	43			0.692	0.690	0.688	0.685	0.682	0.679	0.676	0.673	0.669	0.665	0.660	0.655	0.650	0.644	0.637	0.631	0.623	
	42		0.694	0.693	0.690	0.688	0.686	0.683	0.680	0.677	0.673	0.669	0.665	0.661	0.656	0.650	0.645	0.638	0.631	0.624	
	41	0.697	0.695	0.693	0.691	0.689	0.686	0.683	0.680	0.677	0.674	0.670	0.666	0.661	0.657	0.651	0.645	0.639	0.632	0.625	
	40	0.699	0.697	0.695	0.693	0.691	0.689	0.687	0.684	0.681	0.678	0.674	0.671	0.667	0.662	0.657	0.652	0.646	0.640	0.633	0.626
	39	0.699	0.697	0.696	0.694	0.692	0.690	0.687	0.685	0.682	0.679	0.675	0.671	0.667	0.663	0.658	0.653	0.647	0.641	0.634	0.627
	38	0.699	0.698	0.696	0.694	0.692	0.690	0.688	0.685	0.682	0.679	0.676	0.672	0.668	0.664	0.659	0.654	0.648	0.642	0.635	0.628
	37	0.700	0.698	0.697	0.695	0.693	0.691	0.688	0.686	0.683	0.680	0.677	0.673	0.669	0.665	0.660	0.655	0.649	0.643	0.636	0.629
	36	0.700	0.699	0.697	0.695	0.693	0.691	0.689	0.686	0.684	0.681	0.677	0.674	0.670	0.666	0.661	0.656	0.650	0.644	0.637	0.630
Beneficiary younger than Retiree	35	0.701	0.699	0.698	0.696	0.694	0.692	0.690	0.687	0.684	0.682	0.678	0.675	0.671	0.667	0.662	0.657	0.651	0.645	0.639	0.632
	34	0.701	0.700	0.698	0.697	0.695	0.693	0.690	0.688	0.685	0.682	0.679	0.676	0.672	0.668	0.663	0.658	0.653	0.647	0.640	0.633
	33	0.702	0.700	0.699	0.697	0.695	0.693	0.691	0.689	0.686	0.683	0.680	0.677	0.673	0.669	0.664	0.659	0.654	0.648	0.641	0.634
	32	0.702	0.701	0.700	0.698	0.696	0.694	0.692	0.690	0.687	0.684	0.681	0.678	0.674	0.670	0.665	0.661	0.655	0.649	0.643	0.636
	31	0.703	0.702	0.700	0.699	0.697	0.695	0.693	0.691	0.688	0.685	0.682	0.679	0.675	0.671	0.667	0.662	0.657	0.651	0.645	0.638

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 6b: 100% Joint and Survivor Annuity - Option 2 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

Beneficiary Age Difference	Attained Age at Retirement																				
	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
Beneficiary younger than Retiree	30	0.704	0.702	0.701	0.699	0.698	0.696	0.694	0.691	0.689	0.686	0.683	0.680	0.676	0.672	0.668	0.663	0.658	0.652	0.646	0.639
	29	0.704	0.703	0.702	0.700	0.699	0.697	0.695	0.692	0.690	0.687	0.684	0.681	0.678	0.674	0.670	0.665	0.660	0.654	0.648	0.641
	28	0.705	0.704	0.703	0.701	0.699	0.698	0.696	0.693	0.691	0.688	0.686	0.682	0.679	0.675	0.671	0.666	0.661	0.656	0.650	0.643
	27	0.706	0.705	0.703	0.702	0.700	0.699	0.697	0.695	0.692	0.690	0.687	0.684	0.680	0.677	0.673	0.668	0.663	0.658	0.652	0.645
	26	0.707	0.706	0.704	0.703	0.701	0.700	0.698	0.696	0.694	0.691	0.688	0.685	0.682	0.678	0.674	0.670	0.665	0.660	0.654	0.648
	25	0.708	0.706	0.705	0.704	0.702	0.701	0.699	0.697	0.695	0.692	0.690	0.687	0.684	0.680	0.676	0.672	0.667	0.662	0.656	0.650
	24	0.708	0.707	0.706	0.705	0.704	0.702	0.700	0.698	0.696	0.694	0.691	0.688	0.685	0.682	0.678	0.674	0.669	0.664	0.659	0.653
	23	0.709	0.708	0.707	0.706	0.705	0.703	0.702	0.700	0.698	0.695	0.693	0.690	0.687	0.684	0.680	0.676	0.672	0.667	0.661	0.655
	22	0.710	0.709	0.708	0.707	0.706	0.704	0.703	0.701	0.699	0.697	0.695	0.692	0.689	0.686	0.682	0.678	0.674	0.669	0.664	0.658
	21	0.711	0.710	0.710	0.708	0.707	0.706	0.704	0.703	0.701	0.699	0.697	0.694	0.691	0.688	0.685	0.681	0.677	0.672	0.667	0.661
	20	0.712	0.712	0.711	0.710	0.709	0.707	0.706	0.704	0.703	0.701	0.698	0.696	0.693	0.690	0.687	0.683	0.679	0.675	0.670	0.664
	19	0.714	0.713	0.712	0.711	0.710	0.709	0.708	0.706	0.704	0.703	0.701	0.698	0.696	0.693	0.690	0.686	0.682	0.678	0.673	0.667
	18	0.715	0.714	0.713	0.713	0.712	0.711	0.709	0.708	0.706	0.705	0.703	0.701	0.698	0.695	0.692	0.689	0.685	0.681	0.676	0.671
	17	0.716	0.716	0.715	0.714	0.713	0.712	0.711	0.710	0.708	0.707	0.705	0.703	0.701	0.698	0.695	0.692	0.688	0.684	0.680	0.675
	16	0.717	0.717	0.716	0.716	0.715	0.714	0.713	0.712	0.711	0.709	0.707	0.705	0.703	0.701	0.698	0.695	0.692	0.688	0.683	0.678
	15	0.719	0.718	0.718	0.717	0.717	0.716	0.715	0.714	0.713	0.711	0.710	0.708	0.706	0.704	0.701	0.698	0.695	0.691	0.687	0.683
	14	0.720	0.720	0.720	0.719	0.719	0.718	0.717	0.716	0.715	0.714	0.713	0.711	0.709	0.707	0.705	0.702	0.699	0.695	0.691	0.687
	13	0.722	0.722	0.721	0.721	0.721	0.720	0.719	0.719	0.718	0.717	0.715	0.714	0.712	0.710	0.708	0.706	0.703	0.699	0.696	0.691
	12	0.724	0.724	0.723	0.723	0.723	0.722	0.722	0.721	0.720	0.719	0.718	0.717	0.715	0.714	0.712	0.709	0.707	0.704	0.700	0.696
	11	0.725	0.725	0.725	0.725	0.725	0.725	0.724	0.724	0.723	0.722	0.721	0.720	0.719	0.717	0.716	0.713	0.711	0.708	0.705	0.701
	10	0.727	0.727	0.727	0.727	0.727	0.727	0.727	0.726	0.726	0.725	0.725	0.724	0.723	0.721	0.720	0.718	0.716	0.713	0.710	0.707
	9	0.729	0.729	0.730	0.730	0.730	0.730	0.730	0.729	0.729	0.729	0.728	0.727	0.726	0.725	0.724	0.722	0.720	0.718	0.715	0.712
	8	0.731	0.732	0.732	0.732	0.732	0.732	0.732	0.732	0.732	0.732	0.731	0.730	0.729	0.728	0.727	0.725	0.723	0.721	0.718	0.715
	7	0.733	0.734	0.734	0.735	0.735	0.735	0.735	0.735	0.736	0.735	0.735	0.735	0.734	0.734	0.733	0.732	0.730	0.729	0.727	0.724
	6	0.736	0.736	0.737	0.737	0.738	0.738	0.739	0.739	0.739	0.739	0.739	0.739	0.739	0.738	0.738	0.737	0.736	0.734	0.733	0.730
Beneficiary younger than Retiree	5	0.738	0.739	0.739	0.740	0.741	0.741	0.742	0.742	0.743	0.743	0.743	0.743	0.743	0.743	0.743	0.742	0.741	0.740	0.739	0.737
	4	0.741	0.741	0.742	0.743	0.744	0.744	0.745	0.746	0.746	0.747	0.747	0.748	0.748	0.748	0.748	0.748	0.747	0.746	0.745	0.744
	3	0.743	0.744	0.745	0.746	0.747	0.748	0.749	0.750	0.750	0.751	0.752	0.752	0.753	0.753	0.753	0.753	0.753	0.753	0.752	0.751
	2	0.746	0.747	0.748	0.749	0.750	0.751	0.752	0.753	0.754	0.755	0.756	0.757	0.758	0.759	0.759	0.759	0.760	0.759	0.759	0.758
	1	0.749	0.750	0.751	0.752	0.754	0.755	0.756	0.757	0.759	0.760	0.761	0.762	0.763	0.764	0.765	0.766	0.766	0.766	0.766	0.766
Beneficiary same age as Retiree	0	0.751	0.753	0.754	0.756	0.757	0.759	0.760	0.762	0.763	0.765	0.766	0.767	0.769	0.770	0.771	0.772	0.773	0.773	0.773	0.773

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 6b: 100% Joint and Survivor Annuity - Option 2 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

Beneficiary Age Difference	Attained Age at Retirement																					
	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59		
Beneficiary older than Retiree	-1	0.754	0.756	0.758	0.759	0.761	0.763	0.764	0.766	0.768	0.769	0.771	0.773	0.774	0.776	0.777	0.778	0.779	0.780	0.781	0.781	
	-2	0.758	0.759	0.761	0.763	0.765	0.767	0.769	0.771	0.772	0.774	0.776	0.778	0.780	0.782	0.784	0.785	0.786	0.788	0.789	0.789	0.789
	-3	0.761	0.763	0.765	0.767	0.769	0.771	0.773	0.775	0.777	0.780	0.782	0.784	0.786	0.788	0.790	0.792	0.794	0.795	0.797	0.797	0.798
	-4	0.764	0.766	0.768	0.771	0.773	0.775	0.778	0.780	0.782	0.785	0.787	0.790	0.792	0.794	0.797	0.799	0.801	0.803	0.804	0.806	0.806
	-5	0.768	0.770	0.772	0.775	0.777	0.780	0.782	0.785	0.787	0.790	0.793	0.796	0.798	0.801	0.803	0.806	0.808	0.811	0.813	0.813	0.814
	-6	0.771	0.774	0.776	0.779	0.782	0.784	0.787	0.790	0.793	0.796	0.799	0.802	0.805	0.807	0.810	0.813	0.816	0.818	0.821	0.821	0.823
	-7	0.775	0.778	0.780	0.783	0.786	0.789	0.792	0.795	0.798	0.801	0.805	0.808	0.811	0.814	0.817	0.820	0.823	0.826	0.829	0.829	0.831
	-8	0.779	0.782	0.785	0.788	0.791	0.794	0.797	0.800	0.804	0.807	0.811	0.814	0.817	0.821	0.824	0.828	0.831	0.834	0.837	0.837	0.839
	-9	0.783	0.786	0.789	0.792	0.795	0.799	0.802	0.806	0.809	0.813	0.817	0.820	0.824	0.828	0.831	0.835	0.838	0.842	0.845	0.845	0.848
	-10	0.787	0.790	0.793	0.797	0.800	0.804	0.808	0.811	0.815	0.819	0.823	0.827	0.831	0.835	0.838	0.842	0.846	0.849	0.853	0.853	0.856
	-11	0.791	0.795	0.798	0.802	0.805	0.809	0.813	0.817	0.821	0.825	0.829	0.833	0.837	0.841	0.845	0.849	0.853	0.857	0.861	0.861	0.864
	-12	0.796	0.799	0.803	0.807	0.810	0.814	0.818	0.823	0.827	0.831	0.835	0.840	0.844	0.848	0.853	0.857	0.861	0.865	0.869	0.869	0.872
	-13	0.800	0.804	0.808	0.812	0.816	0.820	0.824	0.828	0.833	0.837	0.842	0.846	0.851	0.855	0.859	0.864	0.868	0.872	0.876	0.876	0.880
	-14	0.805	0.809	0.813	0.817	0.821	0.825	0.830	0.834	0.839	0.843	0.848	0.853	0.857	0.862	0.866	0.871	0.875	0.880	0.884	0.884	0.888
	-15	0.809	0.813	0.818	0.822	0.826	0.831	0.835	0.840	0.845	0.850	0.854	0.859	0.864	0.869	0.873	0.878	0.883	0.887	0.892	0.892	0.896
-16	0.814	0.818	0.823	0.827	0.832	0.837	0.841	0.846	0.851	0.856	0.861	0.866	0.870	0.875	0.880	0.885	0.890	0.894	0.899	0.899	0.903	
-17	0.819	0.824	0.828	0.833	0.837	0.842	0.847	0.852	0.857	0.862	0.867	0.872	0.877	0.882	0.887	0.892	0.897	0.901	0.906	0.906	0.910	
-18	0.824	0.829	0.833	0.838	0.843	0.848	0.853	0.858	0.863	0.868	0.873	0.878	0.884	0.889	0.894	0.899	0.904	0.908	0.913	0.913	0.917	
-19	0.829	0.834	0.839	0.844	0.849	0.854	0.859	0.864	0.869	0.874	0.880	0.885	0.890	0.895	0.900	0.905	0.910	0.915	0.920	0.920	0.924	
-20	0.835	0.840	0.844	0.850	0.855	0.860	0.865	0.870	0.875	0.881	0.886	0.891	0.896	0.902	0.907	0.912	0.917	0.921	0.926	0.926	0.930	
-21	0.840	0.845	0.850	0.855	0.860	0.866	0.871	0.876	0.882	0.887	0.892	0.897	0.903	0.908	0.913	0.918	0.923	0.928	0.932	0.932	0.936	
-22	0.846	0.851	0.856	0.861	0.866	0.872	0.877	0.882	0.888	0.893	0.898	0.904	0.909	0.914	0.919	0.924	0.929	0.933	0.938	0.938	0.942	
-23	0.851	0.856	0.862	0.867	0.872	0.877	0.883	0.888	0.894	0.899	0.904	0.910	0.915	0.920	0.925	0.930	0.935	0.939	0.943	0.943	0.947	
-24	0.857	0.862	0.867	0.873	0.878	0.883	0.889	0.894	0.900	0.905	0.910	0.916	0.921	0.926	0.931	0.935	0.940	0.944	0.948	0.948	0.952	
-25	0.862	0.868	0.873	0.878	0.884	0.889	0.895	0.900	0.906	0.911	0.916	0.922	0.927	0.932	0.936	0.941	0.945	0.949	0.953	0.953	0.957	
-26	0.868	0.873	0.879	0.884	0.890	0.895	0.901	0.906	0.912	0.917	0.922	0.927	0.932	0.937	0.942	0.946	0.950	0.954	0.958	0.958	0.961	
-27	0.874	0.879	0.885	0.890	0.896	0.901	0.907	0.912	0.917	0.923	0.928	0.933	0.938	0.943	0.947	0.951	0.955	0.959	0.962	0.966	0.965	
-28	0.880	0.885	0.891	0.896	0.902	0.907	0.913	0.918	0.923	0.928	0.933	0.938	0.943	0.947	0.951	0.955	0.959	0.962	0.966	0.966	0.968	
-29	0.885	0.891	0.896	0.902	0.907	0.913	0.918	0.924	0.929	0.934	0.938	0.943	0.948	0.952	0.956	0.959	0.963	0.966	0.969	0.969	0.972	
-30	0.891	0.897	0.902	0.908	0.913	0.919	0.924	0.929	0.934	0.939	0.943	0.948	0.952	0.956	0.960	0.963	0.967	0.969	0.972	0.972	0.974	
-31	0.897	0.903	0.908	0.914	0.919	0.924	0.929	0.934	0.939	0.944	0.948	0.952	0.956	0.960	0.964	0.967	0.970	0.973	0.975	0.975	0.977	
-32	0.903	0.908	0.914	0.919	0.924	0.930	0.935	0.939	0.944	0.949	0.953	0.957	0.961	0.964	0.967	0.970	0.973	0.975	0.977	0.977	0.979	
-33	0.909	0.914	0.919	0.925	0.930	0.935	0.940	0.944	0.949	0.953	0.957	0.961	0.964	0.968	0.970	0.973	0.976	0.978	0.980	0.980	0.981	
-34	0.914	0.920	0.925	0.930	0.935	0.940	0.945	0.949	0.953	0.957	0.961	0.965	0.968	0.971	0.973	0.976	0.978	0.980	0.981	0.981	0.983	
-35	0.920	0.925	0.930	0.935	0.940	0.945	0.949	0.954	0.958	0.961	0.965	0.968	0.971	0.974	0.976	0.978	0.980	0.982	0.983	0.983	0.984	
Beneficiary older than Retiree	-36	0.925	0.931	0.936	0.940	0.945	0.950	0.954	0.958	0.962	0.965	0.968	0.971	0.974	0.976	0.978	0.980	0.982	0.983	0.985	0.986	
	-37	0.931	0.936	0.941	0.945	0.950	0.954	0.958	0.962	0.965	0.968	0.971	0.974	0.976	0.979	0.981	0.982	0.984	0.985	0.986	0.987	
	-38	0.936	0.941	0.945	0.950	0.954	0.958	0.962	0.965	0.969	0.972	0.974	0.977	0.979	0.981	0.982	0.984	0.985	0.986	0.987	0.988	
	-39	0.941	0.946	0.950	0.954	0.958	0.962	0.966	0.969	0.972	0.974	0.977	0.979	0.981	0.982	0.984	0.985	0.986	0.987	0.988	0.988	0.989
	-40	0.946	0.950	0.954	0.958	0.962	0.966	0.969	0.972	0.975	0.977	0.979	0.981	0.983	0.984	0.985	0.986	0.987	0.988	0.988	0.989	0.989

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 6b: 100% Joint and Survivor Annuity - Option 2 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
Beneficiary	-41	0.950	0.955	0.959	0.962	0.966	0.969	0.972	0.975	0.977	0.979	0.981	0.983	0.984	0.985	0.987	0.988	0.988	0.989	0.990	0.990
older	-42	0.955	0.959	0.962	0.966	0.969	0.972	0.975	0.977	0.979	0.981	0.983	0.984	0.986	0.987	0.988	0.988	0.989	0.990	0.990	0.991
than	-43	0.959	0.963	0.966	0.969	0.972	0.975	0.977	0.979	0.981	0.983	0.984	0.986	0.987	0.988	0.989	0.989	0.990	0.990	0.991	0.991
Retiree	-44	0.963	0.966	0.969	0.972	0.975	0.977	0.979	0.981	0.983	0.984	0.986	0.987	0.988	0.989	0.989	0.990	0.990	0.991	0.991	0.992
	-45	0.966	0.969	0.972	0.975	0.977	0.980	0.981	0.983	0.985	0.986	0.987	0.988	0.989	0.989	0.990	0.991	0.991	0.991	0.992	0.992
	-46	0.970	0.972	0.975	0.978	0.980	0.982	0.983	0.985	0.986	0.987	0.988	0.989	0.990	0.990	0.991	0.991	0.992	0.992	0.992	0.992
	-47	0.973	0.975	0.978	0.980	0.982	0.983	0.985	0.986	0.987	0.988	0.989	0.990	0.990	0.991	0.991	0.992	0.992	0.992	0.992	0.993
	-48	0.975	0.978	0.980	0.982	0.983	0.985	0.986	0.987	0.988	0.989	0.990	0.990	0.991	0.991	0.992	0.992	0.992	0.992	0.993	0.993
	-49	0.978	0.980	0.982	0.983	0.985	0.986	0.987	0.988	0.989	0.990	0.990	0.991	0.991	0.992	0.992	0.992	0.993	0.993	0.993	0.993
	-50	0.980	0.982	0.983	0.985	0.986	0.987	0.988	0.989	0.990	0.990	0.991	0.991	0.992	0.992	0.992	0.993	0.993	0.993	0.993	0.993
	-51	0.982	0.983	0.985	0.986	0.987	0.988	0.989	0.990	0.990	0.991	0.992	0.992	0.992	0.993	0.993	0.993	0.993	0.993	0.993	0.993
	-52	0.984	0.985	0.986	0.987	0.988	0.989	0.990	0.991	0.991	0.992	0.992	0.992	0.993	0.993	0.993	0.993	0.993	0.993	0.994	0.994
	-53	0.985	0.986	0.987	0.988	0.989	0.990	0.991	0.991	0.992	0.992	0.992	0.993	0.993	0.993	0.993	0.993	0.993	0.994		
	-54	0.986	0.987	0.988	0.989	0.990	0.991	0.991	0.992	0.992	0.992	0.993	0.993	0.993	0.993	0.993	0.994	0.994			
	-55	0.988	0.989	0.989	0.990	0.991	0.991	0.992	0.992	0.992	0.993	0.993	0.993	0.993	0.993	0.994	0.994				
	-56	0.989	0.989	0.990	0.991	0.991	0.992	0.992	0.992	0.993	0.993	0.993	0.993	0.994	0.994	0.994					
	-57	0.989	0.990	0.991	0.991	0.992	0.992	0.993	0.993	0.993	0.993	0.993	0.994	0.994	0.994						
	-58	0.990	0.991	0.991	0.992	0.992	0.993	0.993	0.993	0.993	0.993	0.994	0.994	0.994							
	-59	0.991	0.991	0.992	0.992	0.993	0.993	0.993	0.993	0.993	0.994	0.994	0.994								
	-60	0.991	0.992	0.992	0.993	0.993	0.993	0.993	0.994	0.994	0.994	0.994									
	-61	0.992	0.992	0.993	0.993	0.993	0.993	0.994	0.994	0.994	0.994										
	-62	0.992	0.993	0.993	0.993	0.993	0.994	0.994	0.994	0.994											
	-63	0.993	0.993	0.993	0.993	0.993	0.994	0.994	0.994												
	-64	0.993	0.993	0.993	0.994	0.994	0.994	0.994													
	-65	0.993	0.993	0.994	0.994	0.994	0.994														
	-66	0.993	0.994	0.994	0.994	0.994															
	-67	0.994	0.994	0.994	0.994																
	-68	0.994	0.994	0.994																	
	-69	0.994	0.994																		
	-70	0.994																			
	-71																				
	-72																				
	-73																				
	-74																				
	-75																				
Beneficiary	-76																				
older	-77																				
than	-78																				
Retiree	-79																				
	-80																				

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 6b: 100% Joint and Survivor Annuity - Option 2 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
Beneficiary	-81																				
older	-82																				
than	-83																				
Retiree	-84																				
	-85																				
	-86																				
	-87																				
	-88																				
	-89																				
	-90																				

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 6b: 100% Joint and Survivor Annuity - Option 2 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement										
		60	61	62	63	64	65	66	67	68	69	70
Beneficiary younger than Retiree	70											0.467
	69									0.484	0.467	
	68								0.501	0.484	0.467	
	67								0.517	0.501	0.485	0.467
	66							0.532	0.517	0.501	0.485	0.468
	65						0.547	0.533	0.517	0.502	0.485	0.468
	64					0.560	0.547	0.533	0.518	0.502	0.486	0.468
	63				0.573	0.561	0.547	0.533	0.518	0.502	0.486	0.469
	62			0.584	0.573	0.561	0.548	0.534	0.519	0.503	0.486	0.469
	61		0.595	0.585	0.573	0.561	0.548	0.534	0.519	0.503	0.487	0.470
	60	0.605	0.595	0.585	0.574	0.562	0.549	0.534	0.519	0.504	0.487	0.470
	59	0.605	0.596	0.585	0.574	0.562	0.549	0.535	0.520	0.504	0.488	0.471
	58	0.605	0.596	0.586	0.575	0.563	0.550	0.535	0.520	0.505	0.488	0.471
	57	0.606	0.596	0.586	0.575	0.563	0.550	0.536	0.521	0.505	0.489	0.472
	56	0.606	0.597	0.587	0.576	0.564	0.551	0.536	0.521	0.506	0.489	0.472
	55	0.607	0.597	0.587	0.576	0.564	0.551	0.537	0.522	0.506	0.490	0.473
	54	0.607	0.598	0.588	0.577	0.565	0.552	0.538	0.523	0.507	0.491	0.474
	53	0.608	0.598	0.588	0.577	0.565	0.552	0.538	0.523	0.508	0.491	0.474
	52	0.608	0.599	0.589	0.578	0.566	0.553	0.539	0.524	0.508	0.492	0.475
	51	0.609	0.599	0.589	0.578	0.567	0.554	0.540	0.525	0.509	0.493	0.476
	50	0.609	0.600	0.590	0.579	0.567	0.554	0.540	0.525	0.510	0.494	0.477
	49	0.610	0.601	0.591	0.580	0.568	0.555	0.541	0.526	0.511	0.494	0.478
	48	0.611	0.601	0.592	0.581	0.569	0.556	0.542	0.527	0.512	0.495	0.478
	47	0.611	0.602	0.592	0.581	0.570	0.557	0.543	0.528	0.513	0.496	0.479
	46	0.612	0.603	0.593	0.582	0.570	0.558	0.544	0.529	0.514	0.497	0.480
	45	0.613	0.604	0.594	0.583	0.571	0.559	0.545	0.530	0.515	0.498	0.482
	44	0.614	0.605	0.595	0.584	0.572	0.560	0.546	0.531	0.516	0.500	0.483
	43	0.615	0.606	0.596	0.585	0.573	0.561	0.547	0.532	0.517	0.501	0.484
	42	0.616	0.607	0.597	0.586	0.574	0.562	0.548	0.533	0.518	0.502	0.485
	41	0.616	0.608	0.598	0.587	0.576	0.563	0.549	0.535	0.519	0.503	0.487
	40	0.617	0.609	0.599	0.588	0.577	0.564	0.551	0.536	0.521	0.505	0.488
	39	0.619	0.610	0.600	0.590	0.578	0.566	0.552	0.537	0.522	0.506	0.490
	38	0.620	0.611	0.601	0.591	0.579	0.567	0.553	0.539	0.524	0.508	0.492
	37	0.621	0.612	0.603	0.592	0.581	0.569	0.555	0.541	0.526	0.510	0.493
	36	0.622	0.614	0.604	0.594	0.583	0.570	0.557	0.542	0.527	0.512	0.495
Beneficiary younger than Retiree	35	0.624	0.615	0.606	0.595	0.584	0.572	0.558	0.544	0.529	0.514	0.497
	34	0.625	0.617	0.607	0.597	0.586	0.574	0.560	0.546	0.531	0.516	0.499
	33	0.627	0.618	0.609	0.599	0.588	0.576	0.562	0.548	0.534	0.518	0.502
	32	0.628	0.620	0.611	0.601	0.590	0.578	0.565	0.551	0.536	0.520	0.504
	31	0.630	0.622	0.613	0.603	0.592	0.580	0.567	0.553	0.538	0.523	0.507

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
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Table 6b: 100% Joint and Survivor Annuity - Option 2 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement											
		60	61	62	63	64	65	66	67	68	69	70	
Beneficiary younger than Retiree	30	0.632	0.624	0.615	0.605	0.594	0.582	0.569	0.555	0.541	0.525	0.509	
	29	0.634	0.626	0.617	0.607	0.596	0.585	0.572	0.558	0.544	0.528	0.512	
	28	0.636	0.628	0.619	0.610	0.599	0.587	0.574	0.561	0.546	0.531	0.515	
	27	0.638	0.630	0.622	0.612	0.602	0.590	0.577	0.564	0.550	0.535	0.519	
	26	0.641	0.633	0.624	0.615	0.604	0.593	0.580	0.567	0.553	0.538	0.522	
	25	0.643	0.635	0.627	0.618	0.607	0.596	0.584	0.570	0.556	0.542	0.526	
	24	0.646	0.638	0.630	0.621	0.611	0.599	0.587	0.574	0.560	0.545	0.530	
	23	0.648	0.641	0.633	0.624	0.614	0.603	0.591	0.578	0.564	0.550	0.534	
	22	0.651	0.644	0.636	0.627	0.618	0.607	0.595	0.582	0.568	0.554	0.539	
	21	0.655	0.647	0.640	0.631	0.621	0.611	0.599	0.586	0.573	0.558	0.544	
	20	0.658	0.651	0.643	0.635	0.625	0.615	0.603	0.591	0.577	0.563	0.549	
	19	0.661	0.655	0.647	0.639	0.630	0.619	0.608	0.595	0.582	0.569	0.554	
	18	0.665	0.658	0.651	0.643	0.634	0.624	0.613	0.601	0.588	0.574	0.560	
	17	0.669	0.663	0.655	0.648	0.639	0.629	0.618	0.606	0.593	0.580	0.566	
	16	0.673	0.667	0.660	0.652	0.644	0.634	0.623	0.612	0.599	0.586	0.572	
	15	0.677	0.671	0.665	0.657	0.649	0.640	0.629	0.618	0.606	0.593	0.579	
	14	0.682	0.676	0.670	0.663	0.655	0.646	0.635	0.624	0.612	0.600	0.586	
	13	0.687	0.681	0.675	0.668	0.661	0.652	0.642	0.631	0.619	0.607	0.594	
	12	0.692	0.687	0.681	0.674	0.667	0.658	0.648	0.638	0.627	0.615	0.602	
	11	0.697	0.692	0.687	0.680	0.673	0.665	0.656	0.646	0.635	0.623	0.611	
	10	0.703	0.698	0.693	0.687	0.680	0.672	0.663	0.653	0.643	0.631	0.619	
	9	0.709	0.704	0.699	0.694	0.687	0.680	0.671	0.662	0.651	0.640	0.629	
	8	0.715	0.711	0.706	0.701	0.695	0.688	0.679	0.670	0.660	0.650	0.639	
	7	0.721	0.717	0.713	0.708	0.703	0.696	0.688	0.679	0.670	0.660	0.649	
	6	0.728	0.724	0.721	0.716	0.711	0.704	0.697	0.689	0.680	0.670	0.659	
	Beneficiary younger than Retiree	5	0.735	0.732	0.728	0.724	0.719	0.713	0.706	0.698	0.690	0.680	0.670
		4	0.742	0.739	0.736	0.733	0.728	0.722	0.716	0.708	0.700	0.691	0.682
		3	0.749	0.747	0.744	0.741	0.737	0.732	0.726	0.719	0.711	0.703	0.693
		2	0.757	0.755	0.753	0.750	0.746	0.742	0.736	0.729	0.722	0.714	0.706
		1	0.765	0.764	0.762	0.759	0.756	0.752	0.746	0.740	0.734	0.726	0.718
Beneficiary same age as Retiree	0	0.773	0.772	0.771	0.769	0.766	0.762	0.757	0.752	0.745	0.738	0.731	

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 6b: 100% Joint and Survivor Annuity - Option 2 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement										
		60	61	62	63	64	65	66	67	68	69	70
Beneficiary	-1	0.781	0.781	0.780	0.778	0.776	0.772	0.768	0.763	0.757	0.751	0.744
older	-2	0.790	0.790	0.789	0.788	0.786	0.783	0.779	0.774	0.769	0.764	0.757
than	-3	0.798	0.799	0.798	0.797	0.796	0.794	0.790	0.786	0.782	0.777	0.771
Retiree	-4	0.807	0.808	0.808	0.807	0.806	0.804	0.801	0.798	0.794	0.790	0.784
	-5	0.816	0.817	0.817	0.817	0.817	0.815	0.813	0.810	0.807	0.803	0.798
	-6	0.824	0.826	0.827	0.827	0.827	0.826	0.824	0.822	0.819	0.815	0.811
	-7	0.833	0.835	0.836	0.837	0.837	0.837	0.835	0.834	0.831	0.828	0.825
	-8	0.842	0.844	0.846	0.847	0.847	0.847	0.847	0.845	0.843	0.841	0.838
	-9	0.850	0.853	0.855	0.857	0.858	0.858	0.857	0.857	0.855	0.853	0.851
	-10	0.859	0.862	0.864	0.866	0.868	0.868	0.868	0.868	0.867	0.865	0.863
	-11	0.868	0.871	0.873	0.875	0.877	0.878	0.879	0.878	0.878	0.877	0.875
	-12	0.876	0.879	0.882	0.885	0.887	0.888	0.889	0.889	0.888	0.887	0.886
	-13	0.884	0.888	0.891	0.893	0.896	0.897	0.898	0.898	0.898	0.898	0.897
	-14	0.892	0.896	0.899	0.902	0.904	0.906	0.907	0.908	0.908	0.908	0.907
	-15	0.900	0.904	0.907	0.910	0.913	0.915	0.916	0.917	0.917	0.917	0.916
	-16	0.907	0.911	0.915	0.918	0.920	0.923	0.924	0.925	0.925	0.925	0.925
	-17	0.915	0.918	0.922	0.925	0.928	0.930	0.931	0.932	0.933	0.933	0.932
	-18	0.922	0.925	0.929	0.932	0.935	0.937	0.938	0.939	0.940	0.940	0.939
	-19	0.928	0.932	0.935	0.939	0.941	0.943	0.945	0.946	0.946	0.946	0.946
	-20	0.934	0.938	0.942	0.945	0.947	0.949	0.951	0.952	0.952	0.952	0.951
	-21	0.940	0.944	0.947	0.950	0.953	0.955	0.956	0.957	0.957	0.957	0.956
	-22	0.946	0.949	0.952	0.955	0.958	0.959	0.961	0.961	0.962	0.961	0.961
	-23	0.951	0.954	0.957	0.960	0.962	0.964	0.965	0.965	0.966	0.965	0.964
	-24	0.956	0.959	0.962	0.964	0.966	0.968	0.968	0.969	0.969	0.969	0.968
	-25	0.960	0.963	0.966	0.968	0.970	0.971	0.972	0.972	0.972	0.971	0.971
	-26	0.964	0.967	0.969	0.971	0.973	0.974	0.974	0.975	0.975	0.974	0.973
	-27	0.968	0.970	0.972	0.974	0.976	0.976	0.977	0.977	0.977	0.976	0.975
	-28	0.971	0.973	0.975	0.977	0.978	0.979	0.979	0.979	0.979	0.978	0.977
	-29	0.974	0.976	0.978	0.979	0.980	0.981	0.981	0.981	0.981	0.980	0.979
	-30	0.976	0.978	0.980	0.981	0.982	0.982	0.983	0.982	0.982	0.981	0.980
	-31	0.979	0.980	0.982	0.983	0.983	0.984	0.984	0.984	0.983	0.982	0.981
	-32	0.981	0.982	0.983	0.984	0.985	0.985	0.985	0.985	0.984	0.984	0.982
	-33	0.983	0.984	0.985	0.986	0.986	0.986	0.986	0.986	0.985	0.984	0.983
	-34	0.984	0.985	0.986	0.987	0.987	0.987	0.987	0.987	0.986	0.985	0.984
	-35	0.985	0.986	0.987	0.988	0.988	0.988	0.988	0.988	0.987	0.986	0.985
Beneficiary	-36	0.987	0.987	0.988	0.988	0.989	0.989	0.989	0.988	0.988	0.987	0.985
older	-37	0.988	0.988	0.989	0.989	0.989	0.989	0.989	0.989	0.988	0.987	0.986
than	-38	0.989	0.989	0.989	0.990	0.990	0.990	0.990	0.989	0.988	0.987	0.986
Retiree	-39	0.989	0.990	0.990	0.990	0.991	0.990	0.990	0.990	0.989	0.988	0.987
	-40	0.990	0.990	0.991	0.991	0.991	0.991	0.990	0.990	0.989	0.988	0.987

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
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Table 6b: 100% Joint and Survivor Annuity - Option 2 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement										
		60	61	62	63	64	65	66	67	68	69	70
Beneficiary	-41	0.991	0.991	0.991	0.991	0.991	0.991	0.991	0.990	0.990	0.989	
older	-42	0.991	0.991	0.992	0.992	0.992	0.991	0.991	0.991	0.990		
than	-43	0.992	0.992	0.992	0.992	0.992	0.992	0.991	0.991			
Retiree	-44	0.992	0.992	0.992	0.992	0.992	0.992	0.992				
	-45	0.992	0.992	0.992	0.992	0.992	0.992					
	-46	0.992	0.993	0.993	0.993	0.993						
	-47	0.993	0.993	0.993	0.993							
	-48	0.993	0.993	0.993								
	-49	0.993	0.993									
	-50	0.993										
	-51											
	-52											
	-53											
	-54											
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	-68											
	-69											
	-70											
	-71											
	-72											
	-73											
	-74											
	-75											
Beneficiary	-76											
older	-77											
than	-78											
Retiree	-79											
	-80											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
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Table 6b: 100% Joint and Survivor Annuity - Option 2 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement										
		60	61	62	63	64	65	66	67	68	69	70
Beneficiary	-81											
older	-82											
than	-83											
Retiree	-84											
	-85											
	-86											
	-87											
	-88											
	-89											
	-90											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7a: 50% Joint and Survivor Annuity - Option 3 - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

Beneficiary Age Difference	Attained Age at Retirement																			
	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
Beneficiary 75																				
younger 74																				
than 73																				
Retiree 72																				
71																				
70																				
69																				
68																				
67																				
66																				
65																				
64																				0.810
63																			0.820	0.810
62																	0.830	0.820	0.810	
61																0.840	0.830	0.821	0.811	
60																0.849	0.840	0.831	0.821	0.811
59															0.857	0.849	0.840	0.831	0.821	0.811
58														0.866	0.858	0.849	0.841	0.831	0.822	0.812
57													0.873	0.866	0.858	0.850	0.841	0.832	0.822	0.812
56											0.881	0.874	0.866	0.858	0.850	0.841	0.832	0.822	0.812	
55										0.888	0.881	0.874	0.866	0.859	0.850	0.842	0.832	0.823	0.813	
54									0.894	0.888	0.881	0.874	0.867	0.859	0.851	0.842	0.833	0.823	0.813	
53								0.901	0.895	0.888	0.882	0.875	0.867	0.859	0.851	0.842	0.833	0.824	0.814	
52						0.906	0.901	0.895	0.889	0.882	0.875	0.867	0.860	0.851	0.843	0.834	0.824	0.814		
51					0.912	0.907	0.901	0.895	0.889	0.882	0.875	0.868	0.860	0.852	0.843	0.834	0.825	0.815		
50						0.917	0.912	0.907	0.901	0.895	0.889	0.883	0.876	0.868	0.861	0.852	0.844	0.835	0.825	0.815
49					0.922	0.918	0.913	0.907	0.902	0.896	0.890	0.883	0.876	0.869	0.861	0.853	0.844	0.835	0.826	0.816
48				0.927	0.922	0.918	0.913	0.908	0.902	0.896	0.890	0.883	0.876	0.869	0.861	0.853	0.845	0.836	0.826	0.817
47			0.931	0.927	0.923	0.918	0.913	0.908	0.902	0.897	0.890	0.884	0.877	0.870	0.862	0.854	0.845	0.836	0.827	0.817
46		0.935	0.932	0.927	0.923	0.918	0.914	0.908	0.903	0.897	0.891	0.884	0.877	0.870	0.863	0.854	0.846	0.837	0.828	0.818
45	0.939	0.936	0.932	0.928	0.923	0.919	0.914	0.909	0.903	0.897	0.891	0.885	0.878	0.871	0.863	0.855	0.847	0.838	0.828	0.819
44	0.940	0.936	0.932	0.928	0.924	0.919	0.914	0.909	0.904	0.898	0.892	0.885	0.878	0.871	0.864	0.856	0.847	0.838	0.829	0.820
43	0.940	0.936	0.932	0.928	0.924	0.919	0.915	0.909	0.904	0.898	0.892	0.886	0.879	0.872	0.864	0.856	0.848	0.839	0.830	0.820
42	0.940	0.936	0.933	0.929	0.924	0.920	0.915	0.910	0.905	0.899	0.893	0.886	0.880	0.873	0.865	0.857	0.849	0.840	0.831	0.821
41	0.940	0.937	0.933	0.929	0.925	0.920	0.915	0.910	0.905	0.899	0.893	0.887	0.880	0.873	0.866	0.858	0.850	0.841	0.832	0.822
Beneficiary 40	0.941	0.937	0.933	0.929	0.925	0.921	0.916	0.911	0.906	0.900	0.894	0.888	0.881	0.874	0.866	0.859	0.850	0.842	0.833	0.823
younger 39	0.941	0.938	0.934	0.930	0.926	0.921	0.916	0.911	0.906	0.901	0.895	0.888	0.882	0.875	0.867	0.859	0.851	0.843	0.834	0.824
than 38	0.941	0.938	0.934	0.930	0.926	0.922	0.917	0.912	0.907	0.901	0.895	0.889	0.882	0.875	0.868	0.860	0.852	0.844	0.835	0.825
Retiree 37	0.942	0.938	0.935	0.931	0.927	0.922	0.918	0.913	0.907	0.902	0.896	0.890	0.883	0.876	0.869	0.861	0.853	0.845	0.836	0.827
36	0.942	0.939	0.935	0.931	0.927	0.923	0.918	0.913	0.908	0.902	0.897	0.890	0.884	0.877	0.870	0.862	0.854	0.846	0.837	0.828

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7a: 50% Joint and Survivor Annuity - Option 3 - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

Beneficiary Age Difference	Attained Age at Retirement																				
	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
Beneficiary younger than Retiree	35	0.943	0.939	0.936	0.932	0.928	0.923	0.919	0.914	0.909	0.903	0.897	0.891	0.885	0.878	0.871	0.863	0.855	0.847	0.838	0.829
	34	0.943	0.940	0.936	0.932	0.928	0.924	0.919	0.914	0.909	0.904	0.898	0.892	0.886	0.879	0.872	0.864	0.856	0.848	0.840	0.831
	33	0.944	0.940	0.937	0.933	0.929	0.925	0.920	0.915	0.910	0.905	0.899	0.893	0.887	0.880	0.873	0.866	0.858	0.850	0.841	0.832
	32	0.944	0.941	0.937	0.933	0.929	0.925	0.921	0.916	0.911	0.906	0.900	0.894	0.888	0.881	0.874	0.867	0.859	0.851	0.842	0.834
	31	0.945	0.941	0.938	0.934	0.930	0.926	0.921	0.917	0.912	0.906	0.901	0.895	0.889	0.882	0.875	0.868	0.860	0.852	0.844	0.835
	30	0.945	0.942	0.938	0.935	0.931	0.927	0.922	0.918	0.913	0.907	0.902	0.896	0.890	0.883	0.877	0.869	0.862	0.854	0.846	0.837
	29	0.946	0.942	0.939	0.935	0.932	0.927	0.923	0.918	0.914	0.908	0.903	0.897	0.891	0.885	0.878	0.871	0.863	0.856	0.847	0.839
	28	0.946	0.943	0.940	0.936	0.932	0.928	0.924	0.919	0.915	0.909	0.904	0.898	0.892	0.886	0.879	0.872	0.865	0.857	0.849	0.841
	27	0.947	0.944	0.940	0.937	0.933	0.929	0.925	0.920	0.916	0.911	0.905	0.900	0.894	0.887	0.881	0.874	0.867	0.859	0.851	0.843
	26	0.948	0.944	0.941	0.938	0.934	0.930	0.926	0.921	0.917	0.912	0.906	0.901	0.895	0.889	0.882	0.876	0.868	0.861	0.853	0.845
	25	0.948	0.945	0.942	0.938	0.935	0.931	0.927	0.922	0.918	0.913	0.908	0.902	0.897	0.890	0.884	0.877	0.870	0.863	0.855	0.847
	24	0.949	0.946	0.943	0.939	0.936	0.932	0.928	0.924	0.919	0.914	0.909	0.904	0.898	0.892	0.886	0.879	0.872	0.865	0.857	0.849
	23	0.950	0.947	0.944	0.940	0.937	0.933	0.929	0.925	0.920	0.916	0.910	0.905	0.900	0.894	0.888	0.881	0.874	0.867	0.860	0.852
	22	0.951	0.948	0.944	0.941	0.938	0.934	0.930	0.926	0.922	0.917	0.912	0.907	0.901	0.896	0.889	0.883	0.876	0.869	0.862	0.854
	21	0.951	0.948	0.945	0.942	0.939	0.935	0.931	0.927	0.923	0.918	0.913	0.908	0.903	0.897	0.891	0.885	0.879	0.872	0.865	0.857
	20	0.952	0.949	0.946	0.943	0.940	0.936	0.933	0.929	0.924	0.920	0.915	0.910	0.905	0.899	0.894	0.887	0.881	0.874	0.867	0.860
	19	0.953	0.950	0.947	0.944	0.941	0.938	0.934	0.930	0.926	0.921	0.917	0.912	0.907	0.901	0.896	0.890	0.883	0.877	0.870	0.863
	18	0.954	0.951	0.948	0.945	0.942	0.939	0.935	0.931	0.927	0.923	0.919	0.914	0.909	0.903	0.898	0.892	0.886	0.879	0.873	0.866
	17	0.955	0.952	0.950	0.947	0.943	0.940	0.937	0.933	0.929	0.925	0.920	0.916	0.911	0.906	0.900	0.895	0.889	0.882	0.876	0.869
	16	0.956	0.953	0.951	0.948	0.945	0.942	0.938	0.934	0.931	0.927	0.922	0.918	0.913	0.908	0.903	0.897	0.891	0.885	0.879	0.872
	15	0.957	0.955	0.952	0.949	0.946	0.943	0.940	0.936	0.932	0.928	0.924	0.920	0.915	0.910	0.905	0.900	0.894	0.888	0.882	0.876
	14	0.958	0.956	0.953	0.950	0.947	0.944	0.941	0.938	0.934	0.930	0.926	0.922	0.917	0.913	0.908	0.903	0.897	0.891	0.885	0.879
	13	0.959	0.957	0.954	0.952	0.949	0.946	0.943	0.939	0.936	0.932	0.928	0.924	0.920	0.915	0.910	0.905	0.900	0.895	0.889	0.883
	12	0.960	0.958	0.956	0.953	0.950	0.947	0.944	0.941	0.938	0.934	0.930	0.926	0.922	0.918	0.913	0.908	0.903	0.898	0.892	0.887
	11	0.962	0.959	0.957	0.954	0.952	0.949	0.946	0.943	0.940	0.936	0.933	0.929	0.925	0.920	0.916	0.911	0.906	0.901	0.896	0.891
	10	0.963	0.961	0.958	0.956	0.953	0.951	0.948	0.945	0.942	0.938	0.935	0.931	0.927	0.923	0.919	0.914	0.910	0.905	0.900	0.895
	9	0.964	0.962	0.960	0.957	0.955	0.952	0.950	0.947	0.944	0.940	0.937	0.933	0.930	0.926	0.922	0.917	0.913	0.908	0.903	0.899
	8	0.965	0.963	0.961	0.959	0.957	0.954	0.951	0.949	0.946	0.943	0.939	0.936	0.932	0.929	0.925	0.921	0.916	0.912	0.907	0.903
	7	0.966	0.964	0.962	0.960	0.958	0.956	0.953	0.951	0.948	0.945	0.942	0.938	0.935	0.931	0.928	0.924	0.920	0.916	0.911	0.907
	6	0.968	0.966	0.964	0.962	0.960	0.957	0.955	0.952	0.950	0.947	0.944	0.941	0.938	0.934	0.931	0.927	0.923	0.919	0.915	0.911
Beneficiary younger than Retiree	5	0.969	0.967	0.965	0.963	0.961	0.959	0.957	0.954	0.952	0.949	0.946	0.943	0.940	0.937	0.934	0.930	0.927	0.923	0.919	0.915
	4	0.970	0.969	0.967	0.965	0.963	0.961	0.959	0.956	0.954	0.951	0.949	0.946	0.943	0.940	0.937	0.934	0.930	0.927	0.923	0.919
	3	0.971	0.970	0.968	0.966	0.965	0.963	0.961	0.958	0.956	0.954	0.951	0.949	0.946	0.943	0.940	0.937	0.934	0.930	0.927	0.924
	2	0.973	0.971	0.970	0.968	0.966	0.964	0.962	0.960	0.958	0.956	0.954	0.951	0.949	0.946	0.943	0.940	0.937	0.934	0.931	0.928
	1	0.974	0.973	0.971	0.969	0.968	0.966	0.964	0.962	0.960	0.958	0.956	0.954	0.951	0.949	0.946	0.943	0.941	0.938	0.935	0.932
Beneficiary same age as Retiree	0	0.975	0.974	0.972	0.971	0.969	0.968	0.966	0.964	0.962	0.960	0.958	0.956	0.954	0.952	0.949	0.947	0.944	0.941	0.939	0.936

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7a: 50% Joint and Survivor Annuity - Option 3 - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

Beneficiary Age Difference		Attained Age at Retirement																				
		45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
Beneficiary older than Retiree	-1	0.976	0.975	0.974	0.972	0.971	0.969	0.968	0.966	0.964	0.963	0.961	0.959	0.956	0.954	0.952	0.950	0.947	0.945	0.942	0.940	
	-2	0.978	0.976	0.975	0.974	0.973	0.971	0.970	0.968	0.966	0.965	0.963	0.961	0.959	0.957	0.955	0.953	0.951	0.948	0.946	0.944	
	-3	0.979	0.978	0.977	0.975	0.974	0.973	0.971	0.970	0.968	0.967	0.965	0.963	0.962	0.960	0.958	0.956	0.954	0.952	0.950	0.948	
	-4	0.980	0.979	0.978	0.977	0.976	0.974	0.973	0.972	0.970	0.969	0.967	0.966	0.964	0.962	0.961	0.959	0.957	0.955	0.953	0.951	
	-5	0.981	0.980	0.979	0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.969	0.968	0.966	0.965	0.963	0.962	0.960	0.958	0.956	0.955	
	-6	0.982	0.981	0.980	0.979	0.978	0.977	0.976	0.975	0.974	0.973	0.971	0.970	0.969	0.967	0.966	0.964	0.963	0.961	0.960	0.958	
	-7	0.983	0.982	0.981	0.981	0.980	0.979	0.978	0.977	0.976	0.974	0.973	0.972	0.971	0.970	0.968	0.967	0.966	0.964	0.963	0.962	
	-8	0.984	0.983	0.983	0.982	0.981	0.980	0.979	0.978	0.977	0.976	0.975	0.974	0.973	0.972	0.971	0.969	0.968	0.967	0.966	0.965	
	-9	0.985	0.984	0.984	0.983	0.982	0.981	0.981	0.980	0.979	0.978	0.977	0.976	0.975	0.974	0.973	0.972	0.971	0.970	0.969	0.968	
	-10	0.986	0.985	0.985	0.984	0.983	0.983	0.982	0.981	0.980	0.980	0.979	0.978	0.977	0.976	0.975	0.974	0.973	0.972	0.971	0.970	
	-11	0.987	0.986	0.986	0.985	0.985	0.984	0.983	0.983	0.982	0.981	0.980	0.979	0.979	0.978	0.977	0.976	0.975	0.975	0.974	0.973	
	-12	0.988	0.987	0.987	0.986	0.986	0.985	0.984	0.984	0.983	0.983	0.982	0.981	0.980	0.980	0.979	0.978	0.978	0.977	0.976	0.976	
	-13	0.989	0.988	0.988	0.987	0.987	0.986	0.986	0.985	0.985	0.984	0.983	0.983	0.982	0.981	0.981	0.980	0.980	0.979	0.978	0.978	
	-14	0.989	0.989	0.989	0.988	0.988	0.987	0.987	0.986	0.986	0.985	0.985	0.984	0.984	0.983	0.983	0.982	0.981	0.981	0.981	0.980	
	-15	0.990	0.990	0.989	0.989	0.989	0.988	0.988	0.987	0.987	0.986	0.986	0.985	0.985	0.985	0.984	0.984	0.983	0.983	0.982	0.982	
-16	0.991	0.991	0.990	0.990	0.990	0.989	0.989	0.988	0.988	0.988	0.987	0.987	0.986	0.986	0.986	0.985	0.985	0.985	0.984	0.984		
-17	0.992	0.991	0.991	0.991	0.990	0.990	0.990	0.989	0.989	0.989	0.988	0.988	0.988	0.987	0.987	0.987	0.986	0.986	0.986	0.986		
-18	0.992	0.992	0.992	0.991	0.991	0.991	0.991	0.990	0.990	0.990	0.989	0.989	0.989	0.989	0.988	0.988	0.988	0.988	0.987	0.987		
-19	0.993	0.993	0.992	0.992	0.992	0.992	0.991	0.991	0.991	0.991	0.990	0.990	0.990	0.990	0.990	0.989	0.989	0.989	0.989	0.989		
-20	0.993	0.993	0.993	0.993	0.993	0.992	0.992	0.992	0.992	0.992	0.991	0.991	0.991	0.991	0.991	0.991	0.991	0.990	0.990	0.990		
-21	0.994	0.994	0.994	0.993	0.993	0.993	0.993	0.993	0.993	0.992	0.992	0.992	0.992	0.992	0.992	0.992	0.991	0.991	0.991	0.991		
-22	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.993	0.993	0.993	0.993	0.993	0.993	0.993	0.993	0.992	0.992	0.992		
-23	0.995	0.995	0.995	0.995	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.993	0.993	0.993	0.993	0.993	0.993		
-24	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994		
-25	0.996	0.996	0.996	0.996	0.996	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995		
-26	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.995	0.995	0.995	0.995	0.995		
-27	0.997	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.996		
-28	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.996		
-29	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997		
-30	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997		
-31	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.997	0.997	0.997		
-32	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.997		
-33	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998		
-34	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998		
-35	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.998	0.998	0.998	0.998		
Beneficiary older than Retiree	-36	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.998	0.998	
	-37	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.998	
	-38	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	
	-39	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998
	-40	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7a: 50% Joint and Survivor Annuity - Option 3 - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

	Beneficiary Age Difference	Attained Age at Retirement																		
		45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
Beneficiary older than Retiree	-41	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
	-42	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
	-43	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
	-44	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
	-45	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
	-46	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
	-47	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999
	-48	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999	0.999
	-49	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999
	-50	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.999
Beneficiary older than Retiree	-51	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.999	0.999				
	-52	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000				
	-53	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	-54	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	-55	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	-56	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Beneficiary older than Retiree	-57	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	-58	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	-59	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	-60	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	-61	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	-62	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Beneficiary older than Retiree	-63	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	-64	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	-65	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7a: 50% Joint and Survivor Annuity - Option 3 - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

	Beneficiary Age Difference	Attained Age at Retirement										
		65	66	67	68	69	70	71	72	73	74	75
Beneficiary younger than Retiree	75											0.661
	74									0.678		0.662
	73								0.693	0.678		0.662
	72							0.709	0.694	0.678		0.662
	71						0.723	0.709	0.694	0.678		0.662
	70					0.737	0.723	0.709	0.694	0.679		0.663
	69				0.751	0.737	0.724	0.709	0.695	0.679		0.663
	68			0.763	0.751	0.738	0.724	0.710	0.695	0.679		0.663
	67		0.776	0.764	0.751	0.738	0.724	0.710	0.695	0.680		0.664
	66	0.787	0.776	0.764	0.751	0.738	0.725	0.710	0.696	0.680		0.664
	65	0.799	0.788	0.776	0.764	0.752	0.739	0.725	0.711	0.696	0.681	0.665
	64	0.799	0.788	0.777	0.765	0.752	0.739	0.725	0.711	0.696	0.681	0.665
	63	0.799	0.788	0.777	0.765	0.752	0.739	0.726	0.712	0.697	0.682	0.666
	62	0.800	0.789	0.777	0.765	0.753	0.740	0.726	0.712	0.697	0.682	0.666
	61	0.800	0.789	0.778	0.766	0.753	0.740	0.727	0.713	0.698	0.683	0.667
	60	0.800	0.789	0.778	0.766	0.754	0.741	0.727	0.713	0.698	0.683	0.667
	59	0.801	0.790	0.778	0.767	0.754	0.741	0.728	0.714	0.699	0.684	0.668
	58	0.801	0.790	0.779	0.767	0.755	0.742	0.728	0.714	0.700	0.684	0.669
	57	0.802	0.791	0.779	0.768	0.755	0.742	0.729	0.715	0.700	0.685	0.669
	56	0.802	0.791	0.780	0.768	0.756	0.743	0.730	0.716	0.701	0.686	0.670
	55	0.802	0.792	0.780	0.769	0.756	0.744	0.730	0.716	0.702	0.686	0.671
	54	0.803	0.792	0.781	0.769	0.757	0.744	0.731	0.717	0.702	0.687	0.672
	53	0.803	0.793	0.781	0.770	0.758	0.745	0.731	0.718	0.703	0.688	0.672
	52	0.804	0.793	0.782	0.770	0.758	0.745	0.732	0.718	0.704	0.689	0.673
	51	0.805	0.794	0.783	0.771	0.759	0.746	0.733	0.719	0.705	0.690	0.674
	50	0.805	0.794	0.783	0.772	0.760	0.747	0.734	0.720	0.706	0.691	0.675
	49	0.806	0.795	0.784	0.773	0.760	0.748	0.735	0.721	0.707	0.692	0.676
	48	0.806	0.796	0.785	0.773	0.761	0.749	0.736	0.722	0.708	0.693	0.678
	47	0.807	0.797	0.786	0.774	0.762	0.750	0.737	0.723	0.709	0.694	0.679
	46	0.808	0.797	0.786	0.775	0.763	0.751	0.738	0.724	0.710	0.695	0.680
	45	0.809	0.798	0.787	0.776	0.764	0.752	0.739	0.725	0.711	0.697	0.681
	44	0.810	0.799	0.788	0.777	0.765	0.753	0.740	0.727	0.713	0.698	0.683
	43	0.810	0.800	0.789	0.778	0.766	0.754	0.741	0.728	0.714	0.699	0.684
	42	0.811	0.801	0.790	0.779	0.767	0.755	0.743	0.729	0.715	0.701	0.686
	41	0.812	0.802	0.791	0.780	0.769	0.757	0.744	0.731	0.717	0.703	0.688
Beneficiary younger than Retiree	40	0.813	0.803	0.793	0.782	0.770	0.758	0.745	0.732	0.719	0.704	0.690
	39	0.815	0.804	0.794	0.783	0.771	0.759	0.747	0.734	0.720	0.706	0.692
	38	0.816	0.806	0.795	0.784	0.773	0.761	0.749	0.736	0.722	0.708	0.694
	37	0.817	0.807	0.797	0.786	0.775	0.763	0.750	0.738	0.724	0.710	0.696
	36	0.818	0.808	0.798	0.787	0.776	0.764	0.752	0.740	0.726	0.712	0.698

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7a: 50% Joint and Survivor Annuity - Option 3 - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

	Beneficiary Age Difference	Attained Age at Retirement										
		65	66	67	68	69	70	71	72	73	74	75
Beneficiary younger than Retiree	35	0.820	0.810	0.800	0.789	0.778	0.766	0.754	0.742	0.728	0.715	0.701
	34	0.821	0.811	0.801	0.791	0.780	0.768	0.756	0.744	0.731	0.717	0.703
	33	0.823	0.813	0.803	0.793	0.782	0.770	0.759	0.746	0.733	0.720	0.706
	32	0.824	0.815	0.805	0.795	0.784	0.773	0.761	0.749	0.736	0.723	0.709
	31	0.826	0.817	0.807	0.797	0.786	0.775	0.763	0.751	0.739	0.725	0.712
	30	0.828	0.819	0.809	0.799	0.788	0.777	0.766	0.754	0.741	0.729	0.715
	29	0.830	0.821	0.811	0.801	0.791	0.780	0.769	0.757	0.745	0.732	0.719
	28	0.832	0.823	0.813	0.804	0.793	0.783	0.772	0.760	0.748	0.735	0.722
	27	0.834	0.825	0.816	0.806	0.796	0.786	0.775	0.763	0.751	0.739	0.726
	26	0.836	0.828	0.818	0.809	0.799	0.789	0.778	0.767	0.755	0.743	0.730
	25	0.839	0.830	0.821	0.812	0.802	0.792	0.781	0.770	0.759	0.747	0.734
	24	0.841	0.833	0.824	0.815	0.805	0.795	0.785	0.774	0.763	0.751	0.739
	23	0.844	0.835	0.827	0.818	0.808	0.799	0.788	0.778	0.767	0.755	0.743
	22	0.847	0.838	0.830	0.821	0.812	0.802	0.792	0.782	0.771	0.760	0.748
	21	0.849	0.841	0.833	0.824	0.816	0.806	0.796	0.786	0.776	0.765	0.754
	20	0.852	0.845	0.836	0.828	0.819	0.810	0.801	0.791	0.781	0.770	0.759
	19	0.855	0.848	0.840	0.832	0.823	0.814	0.805	0.796	0.786	0.775	0.765
	18	0.859	0.851	0.844	0.836	0.827	0.819	0.810	0.801	0.791	0.781	0.771
	17	0.862	0.855	0.847	0.840	0.832	0.823	0.815	0.806	0.797	0.787	0.777
	16	0.866	0.859	0.851	0.844	0.836	0.828	0.820	0.811	0.802	0.793	0.783
15	0.869	0.863	0.856	0.848	0.841	0.833	0.825	0.817	0.808	0.799	0.790	
14	0.873	0.867	0.860	0.853	0.846	0.838	0.831	0.823	0.814	0.806	0.797	
13	0.877	0.871	0.864	0.858	0.851	0.844	0.836	0.829	0.821	0.812	0.804	
12	0.881	0.875	0.869	0.862	0.856	0.849	0.842	0.835	0.827	0.819	0.811	
11	0.885	0.879	0.873	0.867	0.861	0.855	0.848	0.841	0.834	0.826	0.818	
10	0.889	0.884	0.878	0.872	0.866	0.860	0.854	0.847	0.841	0.833	0.826	
9	0.893	0.888	0.883	0.878	0.872	0.866	0.860	0.854	0.847	0.841	0.834	
8	0.898	0.893	0.888	0.883	0.878	0.872	0.866	0.860	0.854	0.848	0.842	
7	0.902	0.898	0.893	0.888	0.883	0.878	0.873	0.867	0.861	0.856	0.849	
6	0.907	0.902	0.898	0.893	0.889	0.884	0.879	0.874	0.869	0.863	0.857	
Beneficiary younger than Retiree	5	0.911	0.907	0.903	0.899	0.894	0.890	0.885	0.881	0.876	0.871	0.865
	4	0.916	0.912	0.908	0.904	0.900	0.896	0.892	0.887	0.883	0.878	0.873
	3	0.920	0.917	0.913	0.909	0.906	0.902	0.898	0.894	0.890	0.886	0.881
	2	0.925	0.921	0.918	0.915	0.911	0.908	0.904	0.901	0.897	0.893	0.889
	1	0.929	0.926	0.923	0.920	0.917	0.914	0.910	0.907	0.904	0.901	0.897
Beneficiary same age as Retiree	0	0.933	0.931	0.928	0.925	0.922	0.919	0.917	0.914	0.911	0.908	0.905

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7a: 50% Joint and Survivor Annuity - Option 3 - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

Beneficiary Age Difference	Attained Age at Retirement											
	65	66	67	68	69	70	71	72	73	74	75	
Beneficiary older than Retiree -1	0.937	0.935	0.933	0.930	0.928	0.925	0.923	0.920	0.917	0.915	0.912	
-2	0.942	0.939	0.937	0.935	0.933	0.931	0.928	0.926	0.924	0.922	0.919	
-3	0.946	0.944	0.942	0.940	0.938	0.936	0.934	0.932	0.930	0.928	0.926	
-4	0.949	0.948	0.946	0.944	0.943	0.941	0.939	0.938	0.936	0.934	0.933	
-5	0.953	0.952	0.950	0.949	0.947	0.946	0.944	0.943	0.942	0.940	0.939	
-6	0.957	0.955	0.954	0.953	0.952	0.951	0.949	0.948	0.947	0.946	0.945	
-7	0.960	0.959	0.958	0.957	0.956	0.955	0.954	0.953	0.952	0.951	0.950	
-8	0.964	0.963	0.962	0.961	0.960	0.959	0.958	0.958	0.957	0.956	0.955	
-9	0.967	0.966	0.965	0.964	0.964	0.963	0.962	0.962	0.961	0.961	0.960	
-10	0.970	0.969	0.968	0.968	0.967	0.967	0.966	0.966	0.965	0.965	0.964	
-11	0.972	0.972	0.971	0.971	0.971	0.970	0.970	0.969	0.969	0.969	0.968	
-12	0.975	0.975	0.974	0.974	0.974	0.973	0.973	0.973	0.972	0.972	0.972	
-13	0.978	0.977	0.977	0.977	0.976	0.976	0.976	0.976	0.975	0.975	0.975	
-14	0.980	0.980	0.979	0.979	0.979	0.979	0.979	0.978	0.978	0.978	0.977	
-15	0.982	0.982	0.981	0.981	0.981	0.981	0.981	0.981	0.981	0.980	0.980	
-16	0.984	0.984	0.984	0.983	0.983	0.983	0.983	0.983	0.983	0.982	0.982	
-17	0.986	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.985	0.984	0.984	
-18	0.987	0.987	0.987	0.987	0.987	0.987	0.987	0.986	0.986	0.986	0.985	
-19	0.989	0.989	0.988	0.988	0.988	0.988	0.988	0.988	0.988	0.987	0.987	
-20	0.990	0.990	0.990	0.990	0.990	0.990	0.989	0.989	0.989	0.988	0.988	
-21	0.991	0.991	0.991	0.991	0.991	0.991	0.990	0.990	0.990	0.990	0.989	
-22	0.992	0.992	0.992	0.992	0.992	0.992	0.991	0.991	0.991	0.990	0.990	
-23	0.993	0.993	0.993	0.993	0.993	0.992	0.992	0.992	0.992	0.991	0.991	
-24	0.994	0.994	0.994	0.994	0.993	0.993	0.993	0.993	0.992	0.992	0.991	
-25	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.993	0.993	0.992	0.992	
-26	0.995	0.995	0.995	0.995	0.995	0.994	0.994	0.994	0.993	0.993	0.992	
-27	0.996	0.995	0.995	0.995	0.995	0.995	0.995	0.994	0.994	0.993	0.993	
-28	0.996	0.996	0.996	0.996	0.995	0.995	0.995	0.995	0.994	0.994	0.993	
-29	0.996	0.996	0.996	0.996	0.996	0.996	0.995	0.995	0.995	0.994	0.994	
-30	0.997	0.997	0.997	0.996	0.996	0.996	0.996	0.995	0.995	0.994	0.994	
-31	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.996	0.995	0.995	0.994	
-32	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.995	0.995	0.994	
-33	0.998	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.995	0.995	0.994	
-34	0.998	0.998	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.995	0.995	
-35	0.998	0.998	0.998	0.997	0.997	0.997	0.997	0.996	0.996	0.995	0.995	
Beneficiary older than Retiree -36	0.998	0.998	0.998	0.997	0.997	0.997	0.997	0.996	0.996	0.995		
-37	0.998	0.998	0.998	0.998	0.997	0.997	0.997	0.996	0.996			
-38	0.998	0.998	0.998	0.998	0.997	0.997	0.997	0.997				
-39	0.998	0.998	0.998	0.998	0.998	0.997	0.997					
-40	0.998	0.998	0.998	0.998	0.998	0.997						

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7a: 50% Joint and Survivor Annuity - Option 3 - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

	Beneficiary Age Difference	Attained Age at Retirement										
		65	66	67	68	69	70	71	72	73	74	75
Beneficiary	-41	0.998	0.998	0.998	0.998	0.998						
older	-42	0.998	0.998	0.998	0.998							
than	-43	0.999	0.998	0.998								
Retiree	-44	0.999	0.998									
	-45	0.999										
	-46											
	-47											
	-48											
	-49											
	-50											
	-51											
	-52											
	-53											
	-54											
	-55											
	-56											
	-57											
	-58											
	-59											
	-60											
Beneficiary	-61											
older	-62											
than	-63											
Retiree	-64											
	-65											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7b: 50% Joint and Survivor Annuity - Option 3 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Beneficiary younger than Retiree	70																				
	69																				
	68																				
	67																				
	66																				
	65																				
	64																				
	63																				
	62																				
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	46																				
	45																				
	44																				
	43																				
	42																				
	41																				
	40																				
	39																				0.824
	38																			0.825	0.824
	37																		0.826	0.825	0.824
	36																0.827	0.826	0.825	0.825	
Beneficiary younger than Retiree	35															0.828	0.827	0.827	0.826	0.825	
	34														0.829	0.828	0.828	0.827	0.826	0.825	
	33													0.830	0.829	0.828	0.827	0.826	0.826	0.826	
	32												0.830	0.830	0.829	0.828	0.828	0.828	0.827	0.826	
	31										0.831	0.830	0.830	0.830	0.829	0.829	0.828	0.827	0.826	0.826	

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7b: 50% Joint and Survivor Annuity - Option 3 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Beneficiary younger than Retiree	30											0.832	0.831	0.831	0.830	0.830	0.829	0.829	0.828	0.828	0.827
	29									0.833	0.832	0.832	0.831	0.831	0.831	0.830	0.830	0.829	0.829	0.828	0.827
	28								0.833	0.833	0.833	0.832	0.831	0.831	0.831	0.830	0.830	0.829	0.829	0.828	0.828
	27							0.833	0.833	0.833	0.832	0.832	0.832	0.831	0.831	0.831	0.830	0.830	0.829	0.829	0.828
	26						0.833	0.833	0.833	0.833	0.832	0.832	0.832	0.831	0.831	0.831	0.830	0.830	0.829	0.829	0.828
	25					0.834	0.834	0.834	0.833	0.833	0.833	0.833	0.832	0.832	0.832	0.831	0.831	0.830	0.830	0.829	0.829
	24				0.834	0.834	0.834	0.834	0.834	0.834	0.833	0.833	0.833	0.832	0.832	0.832	0.831	0.831	0.830	0.830	0.829
	23			0.835	0.834	0.834	0.834	0.834	0.834	0.834	0.834	0.833	0.833	0.833	0.833	0.832	0.832	0.832	0.831	0.831	0.830
	22		0.835	0.835	0.835	0.835	0.835	0.835	0.834	0.834	0.834	0.834	0.834	0.833	0.833	0.833	0.833	0.832	0.832	0.831	0.831
	21	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.834	0.834	0.834	0.834	0.834	0.833	0.833	0.833	0.832	0.832	0.831
	20	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.834	0.834	0.834	0.833	0.833	0.833	0.833
	19	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.835	0.835	0.834	0.834	0.834	0.833	0.833
	18	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.835	0.835	0.835	0.835	0.834	0.834
	17	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.835	0.835
	16	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.836	0.836	0.836	0.836
	15	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837
	14	0.837	0.837	0.837	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838
	13	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.839	0.839	0.839	0.839	0.839	0.839	0.839	0.839	0.839	0.839	0.839	0.839
	12	0.838	0.838	0.838	0.838	0.839	0.839	0.839	0.839	0.839	0.839	0.839	0.839	0.840	0.840	0.840	0.840	0.840	0.840	0.840	0.840
	11	0.838	0.839	0.839	0.839	0.839	0.839	0.839	0.840	0.840	0.840	0.840	0.840	0.840	0.840	0.841	0.841	0.841	0.841	0.841	0.841
	10	0.839	0.839	0.839	0.839	0.840	0.840	0.840	0.840	0.840	0.841	0.841	0.841	0.841	0.841	0.841	0.842	0.842	0.842	0.842	0.842
	9	0.839	0.839	0.840	0.840	0.840	0.840	0.841	0.841	0.841	0.841	0.842	0.842	0.842	0.842	0.842	0.843	0.843	0.843	0.843	0.843
	8	0.840	0.840	0.840	0.840	0.841	0.841	0.841	0.841	0.842	0.842	0.842	0.843	0.843	0.843	0.843	0.844	0.844	0.844	0.844	0.845
	7	0.840	0.840	0.841	0.841	0.841	0.842	0.842	0.842	0.842	0.843	0.843	0.843	0.844	0.844	0.844	0.845	0.845	0.845	0.845	0.846
	6	0.841	0.841	0.841	0.842	0.842	0.842	0.843	0.843	0.843	0.844	0.844	0.844	0.845	0.845	0.845	0.846	0.846	0.847	0.847	0.847
Beneficiary younger than Retiree	5	0.841	0.842	0.842	0.842	0.843	0.843	0.843	0.844	0.844	0.844	0.845	0.845	0.846	0.846	0.847	0.847	0.847	0.848	0.848	0.849
	4	0.842	0.842	0.842	0.843	0.843	0.844	0.844	0.844	0.845	0.845	0.846	0.846	0.847	0.847	0.848	0.848	0.849	0.849	0.850	0.850
	3	0.842	0.843	0.843	0.843	0.844	0.844	0.845	0.845	0.846	0.846	0.847	0.847	0.848	0.848	0.849	0.850	0.850	0.851	0.851	0.852
	2	0.843	0.843	0.844	0.844	0.845	0.845	0.846	0.846	0.847	0.847	0.848	0.848	0.849	0.850	0.850	0.851	0.852	0.852	0.853	0.854
	1	0.844	0.844	0.844	0.845	0.845	0.846	0.846	0.847	0.848	0.848	0.849	0.850	0.850	0.851	0.852	0.852	0.853	0.854	0.855	0.855
Beneficiary same age as Retiree	0	0.844	0.845	0.845	0.846	0.846	0.847	0.847	0.848	0.849	0.849	0.850	0.851	0.851	0.852	0.853	0.854	0.855	0.855	0.856	0.857

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7b: 50% Joint and Survivor Annuity - Option 3 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
Beneficiary older than Retiree	-1	0.845	0.845	0.846	0.847	0.847	0.848	0.848	0.849	0.850	0.850	0.851	0.852	0.853	0.854	0.854	0.855	0.856	0.857	0.858	0.859	
	-2	0.846	0.846	0.847	0.847	0.848	0.849	0.849	0.850	0.851	0.852	0.853	0.854	0.855	0.855	0.856	0.857	0.858	0.860	0.861	0.862	0.863
	-3	0.846	0.847	0.848	0.848	0.849	0.850	0.850	0.851	0.852	0.853	0.854	0.855	0.855	0.856	0.857	0.858	0.860	0.861	0.863	0.864	0.865
	-4	0.847	0.848	0.848	0.849	0.850	0.851	0.851	0.852	0.853	0.854	0.855	0.856	0.857	0.858	0.859	0.860	0.861	0.863	0.864	0.866	0.867
	-5	0.848	0.849	0.849	0.850	0.851	0.852	0.853	0.853	0.854	0.855	0.856	0.857	0.858	0.860	0.861	0.862	0.863	0.864	0.866	0.867	0.869
	-6	0.849	0.850	0.850	0.851	0.852	0.853	0.854	0.855	0.856	0.857	0.858	0.859	0.860	0.861	0.862	0.864	0.865	0.866	0.868	0.870	0.872
	-7	0.850	0.851	0.851	0.852	0.853	0.854	0.855	0.856	0.857	0.858	0.859	0.860	0.862	0.863	0.864	0.866	0.867	0.869	0.871	0.872	0.874
	-8	0.851	0.852	0.852	0.853	0.854	0.855	0.856	0.857	0.858	0.860	0.861	0.862	0.863	0.865	0.866	0.868	0.869	0.871	0.872	0.874	0.876
	-9	0.852	0.853	0.853	0.854	0.855	0.856	0.858	0.859	0.860	0.861	0.862	0.864	0.865	0.867	0.868	0.870	0.871	0.873	0.875	0.876	0.879
	-10	0.853	0.854	0.855	0.856	0.857	0.858	0.859	0.860	0.861	0.863	0.864	0.865	0.867	0.868	0.870	0.872	0.873	0.875	0.877	0.879	0.881
	-11	0.854	0.855	0.856	0.857	0.858	0.859	0.860	0.862	0.863	0.864	0.866	0.867	0.869	0.870	0.872	0.874	0.876	0.877	0.879	0.881	0.884
	-12	0.855	0.856	0.857	0.858	0.859	0.861	0.862	0.863	0.865	0.866	0.868	0.869	0.871	0.873	0.875	0.876	0.878	0.880	0.882	0.884	0.887
	-13	0.856	0.857	0.858	0.859	0.861	0.862	0.863	0.865	0.866	0.868	0.869	0.871	0.873	0.875	0.876	0.878	0.880	0.882	0.884	0.887	0.889
	-14	0.857	0.858	0.860	0.861	0.862	0.864	0.865	0.866	0.868	0.870	0.871	0.873	0.875	0.877	0.879	0.881	0.883	0.885	0.887	0.889	0.892
	-15	0.859	0.860	0.861	0.862	0.864	0.865	0.867	0.868	0.870	0.872	0.873	0.875	0.877	0.879	0.881	0.883	0.885	0.887	0.890	0.892	0.895
	-16	0.860	0.861	0.862	0.864	0.865	0.867	0.868	0.870	0.872	0.873	0.875	0.877	0.879	0.881	0.883	0.886	0.888	0.890	0.893	0.895	0.898
	-17	0.861	0.863	0.864	0.866	0.867	0.869	0.870	0.872	0.874	0.876	0.877	0.879	0.881	0.884	0.886	0.888	0.890	0.893	0.896	0.898	0.901
	-18	0.863	0.864	0.866	0.867	0.869	0.870	0.872	0.874	0.876	0.878	0.880	0.882	0.884	0.886	0.888	0.891	0.893	0.896	0.899	0.901	0.904
	-19	0.864	0.866	0.867	0.869	0.870	0.872	0.874	0.876	0.878	0.880	0.882	0.884	0.886	0.889	0.891	0.893	0.896	0.899	0.901	0.904	0.907
	-20	0.866	0.867	0.869	0.871	0.872	0.874	0.876	0.878	0.880	0.882	0.884	0.886	0.889	0.891	0.894	0.896	0.899	0.901	0.904	0.907	0.910
-21	0.867	0.869	0.871	0.872	0.874	0.876	0.878	0.880	0.882	0.884	0.887	0.889	0.891	0.894	0.896	0.899	0.902	0.904	0.907	0.910	0.913	
-22	0.869	0.871	0.872	0.874	0.876	0.878	0.880	0.882	0.884	0.887	0.889	0.892	0.894	0.897	0.899	0.902	0.905	0.908	0.911	0.914	0.917	
-23	0.871	0.873	0.874	0.876	0.878	0.880	0.882	0.885	0.887	0.889	0.892	0.894	0.897	0.899	0.902	0.905	0.908	0.911	0.914	0.917	0.920	
-24	0.873	0.874	0.876	0.878	0.880	0.883	0.885	0.887	0.889	0.892	0.894	0.897	0.900	0.902	0.905	0.908	0.911	0.914	0.917	0.920	0.923	
-25	0.874	0.876	0.878	0.880	0.883	0.885	0.887	0.889	0.892	0.894	0.897	0.900	0.902	0.905	0.908	0.911	0.914	0.917	0.920	0.923	0.926	
-26	0.876	0.878	0.881	0.883	0.885	0.887	0.890	0.892	0.895	0.897	0.900	0.903	0.905	0.908	0.911	0.914	0.917	0.920	0.923	0.926	0.930	
-27	0.879	0.881	0.883	0.885	0.887	0.890	0.892	0.895	0.897	0.900	0.903	0.906	0.908	0.911	0.914	0.917	0.920	0.923	0.926	0.930	0.933	
-28	0.881	0.883	0.885	0.887	0.890	0.892	0.895	0.897	0.900	0.903	0.906	0.908	0.911	0.914	0.917	0.920	0.924	0.927	0.930	0.933	0.936	
-29	0.883	0.885	0.887	0.890	0.892	0.895	0.897	0.900	0.903	0.906	0.909	0.912	0.915	0.918	0.921	0.924	0.927	0.930	0.933	0.936	0.939	
-30	0.885	0.887	0.890	0.892	0.895	0.898	0.900	0.903	0.906	0.909	0.912	0.915	0.918	0.921	0.924	0.927	0.930	0.933	0.936	0.939	0.943	
-31	0.888	0.890	0.892	0.895	0.898	0.900	0.903	0.906	0.909	0.912	0.915	0.918	0.921	0.924	0.927	0.930	0.933	0.936	0.939	0.943	0.946	
-32	0.890	0.892	0.895	0.898	0.900	0.903	0.906	0.909	0.912	0.915	0.918	0.921	0.924	0.927	0.930	0.933	0.936	0.940	0.943	0.946	0.949	
-33	0.893	0.895	0.898	0.900	0.903	0.906	0.909	0.912	0.915	0.918	0.921	0.924	0.927	0.930	0.933	0.937	0.940	0.943	0.946	0.949	0.952	
-34	0.895	0.898	0.900	0.903	0.906	0.909	0.912	0.915	0.918	0.921	0.924	0.927	0.930	0.934	0.937	0.940	0.943	0.946	0.949	0.952	0.955	
-35	0.898	0.901	0.903	0.906	0.909	0.912	0.915	0.918	0.921	0.924	0.927	0.931	0.934	0.937	0.940	0.943	0.946	0.949	0.952	0.955	0.958	
-36	0.901	0.903	0.906	0.909	0.912	0.915	0.918	0.921	0.924	0.927	0.931	0.934	0.937	0.940	0.943	0.946	0.949	0.952	0.955	0.958	0.961	
-37	0.903	0.906	0.909	0.912	0.915	0.918	0.921	0.924	0.928	0.931	0.934	0.937	0.940	0.943	0.946	0.949	0.953	0.956	0.959	0.961	0.964	
-38	0.906	0.909	0.912	0.915	0.918	0.921	0.924	0.928	0.931	0.934	0.937	0.940	0.943	0.946	0.950	0.953	0.956	0.959	0.962	0.964	0.967	
-39	0.909	0.912	0.915	0.918	0.921	0.925	0.928	0.931	0.934	0.937	0.940	0.943	0.947	0.950	0.953	0.956	0.959	0.962	0.964	0.967	0.970	
-40	0.912	0.915	0.918	0.921	0.925	0.928	0.931	0.934	0.937	0.940	0.943	0.947	0.950	0.953	0.956	0.959	0.962	0.964	0.967	0.970	0.973	

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7b: 50% Joint and Survivor Annuity - Option 3 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Beneficiary older than Retiree	-41	0.915	0.918	0.922	0.925	0.928	0.931	0.934	0.937	0.940	0.944	0.947	0.950	0.953	0.956	0.959	0.962	0.964	0.967	0.970	0.972
	-42	0.918	0.922	0.925	0.928	0.931	0.934	0.937	0.940	0.944	0.947	0.950	0.953	0.956	0.959	0.962	0.965	0.967	0.970	0.972	0.975
	-43	0.922	0.925	0.928	0.931	0.934	0.937	0.940	0.944	0.947	0.950	0.953	0.956	0.959	0.962	0.965	0.967	0.970	0.972	0.975	0.977
	-44	0.925	0.928	0.931	0.934	0.937	0.941	0.944	0.947	0.950	0.953	0.956	0.959	0.962	0.965	0.967	0.970	0.972	0.975	0.977	0.979
	-45	0.928	0.931	0.934	0.937	0.941	0.944	0.947	0.950	0.953	0.956	0.959	0.962	0.965	0.967	0.970	0.972	0.975	0.977	0.979	0.981
	-46	0.931	0.934	0.937	0.941	0.944	0.947	0.950	0.953	0.956	0.959	0.962	0.965	0.967	0.970	0.972	0.975	0.977	0.979	0.981	0.983
	-47	0.934	0.937	0.941	0.944	0.947	0.950	0.953	0.956	0.959	0.962	0.965	0.967	0.970	0.973	0.975	0.977	0.979	0.981	0.983	0.985
	-48	0.938	0.941	0.944	0.947	0.950	0.953	0.956	0.959	0.962	0.965	0.967	0.970	0.973	0.975	0.977	0.979	0.981	0.983	0.985	0.986
	-49	0.941	0.944	0.947	0.950	0.953	0.956	0.959	0.962	0.965	0.968	0.970	0.973	0.975	0.977	0.979	0.981	0.983	0.985	0.986	0.988
	-50	0.944	0.947	0.950	0.953	0.956	0.959	0.962	0.965	0.968	0.970	0.973	0.975	0.977	0.979	0.981	0.983	0.985	0.986	0.988	0.989
	-51	0.947	0.950	0.953	0.956	0.959	0.962	0.965	0.968	0.970	0.973	0.975	0.977	0.979	0.981	0.983	0.985	0.986	0.988	0.989	0.990
	-52	0.950	0.953	0.956	0.959	0.962	0.965	0.968	0.970	0.973	0.975	0.977	0.979	0.981	0.983	0.985	0.986	0.988	0.989	0.990	0.991
	-53	0.953	0.956	0.959	0.962	0.965	0.968	0.970	0.973	0.975	0.977	0.979	0.981	0.983	0.985	0.986	0.988	0.989	0.990	0.991	0.992
	-54	0.956	0.959	0.962	0.965	0.968	0.970	0.973	0.975	0.977	0.979	0.981	0.983	0.985	0.986	0.988	0.989	0.990	0.991	0.992	0.992
	-55	0.959	0.962	0.965	0.968	0.970	0.973	0.975	0.977	0.979	0.981	0.983	0.985	0.986	0.988	0.989	0.990	0.991	0.992	0.992	0.993
	-56	0.962	0.965	0.968	0.970	0.973	0.975	0.977	0.979	0.981	0.983	0.985	0.986	0.988	0.989	0.990	0.991	0.992	0.993	0.993	0.994
	-57	0.965	0.968	0.970	0.973	0.975	0.977	0.979	0.981	0.983	0.985	0.986	0.988	0.989	0.990	0.991	0.992	0.993	0.993	0.994	0.994
	-58	0.968	0.970	0.973	0.975	0.977	0.979	0.981	0.983	0.985	0.986	0.988	0.989	0.990	0.991	0.992	0.993	0.993	0.994	0.994	0.995
	-59	0.970	0.973	0.975	0.977	0.979	0.981	0.983	0.985	0.986	0.988	0.989	0.990	0.991	0.992	0.993	0.993	0.994	0.994	0.995	0.995
	-60	0.973	0.975	0.977	0.979	0.981	0.983	0.985	0.986	0.988	0.989	0.990	0.991	0.992	0.993	0.993	0.994	0.994	0.995	0.995	0.995
	-61	0.975	0.977	0.979	0.981	0.983	0.985	0.986	0.988	0.989	0.990	0.991	0.992	0.993	0.993	0.994	0.994	0.995	0.995	0.995	0.996
	-62	0.977	0.980	0.981	0.983	0.985	0.986	0.988	0.989	0.990	0.991	0.992	0.993	0.993	0.994	0.994	0.995	0.995	0.995	0.996	0.996
	-63	0.980	0.981	0.983	0.985	0.986	0.988	0.989	0.990	0.991	0.992	0.993	0.993	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996
	-64	0.981	0.983	0.985	0.986	0.988	0.989	0.990	0.991	0.992	0.993	0.993	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996
	-65	0.983	0.985	0.986	0.988	0.989	0.990	0.991	0.992	0.993	0.993	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.996
	-66	0.985	0.986	0.988	0.989	0.990	0.991	0.992	0.993	0.993	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.997	0.997
	-67	0.986	0.988	0.989	0.990	0.991	0.992	0.993	0.993	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.997	0.997	0.997
	-68	0.988	0.989	0.990	0.991	0.992	0.993	0.993	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997
	-69	0.989	0.990	0.991	0.992	0.993	0.993	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997
	-70	0.990	0.991	0.992	0.993	0.993	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997
	-71	0.991	0.992	0.993	0.993	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997
	-72	0.992	0.993	0.993	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
	-73	0.993	0.993	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
	-74	0.993	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
	-75	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
Beneficiary older than Retiree	-76	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
	-77	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
	-78	0.995	0.995	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
	-79	0.995	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
	-80	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7b: 50% Joint and Survivor Annuity - Option 3 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Beneficiary	-81	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
older	-82	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
than	-83	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
Retiree	-84	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
	-85	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
	-86	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
	-87	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
	-88	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
	-89	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
	-90	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7b: 50% Joint and Survivor Annuity - Option 3 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

Beneficiary Age Difference	Attained Age at Retirement																				
	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
70																					
69																					
68																					
67																					
66																					
65																					
64																					
63																					
62																					
61																					
60																					
59																				0.761	
58																			0.767	0.761	
57																		0.773	0.767	0.761	
56																	0.778	0.773	0.768	0.762	
55																0.783	0.778	0.773	0.768	0.762	
54															0.788	0.783	0.779	0.774	0.768	0.762	
53														0.792	0.788	0.784	0.779	0.774	0.769	0.763	
52													0.795	0.792	0.788	0.784	0.779	0.774	0.769	0.763	
51											0.799	0.796	0.792	0.788	0.784	0.780	0.775	0.769	0.763		
50										0.802	0.799	0.796	0.793	0.789	0.785	0.780	0.775	0.770	0.764		
49									0.805	0.802	0.799	0.796	0.793	0.789	0.785	0.780	0.776	0.770	0.764		
48								0.808	0.805	0.803	0.800	0.797	0.793	0.789	0.785	0.781	0.776	0.771	0.765		
47							0.810	0.808	0.805	0.803	0.800	0.797	0.794	0.790	0.786	0.781	0.776	0.771	0.765		
46						0.812	0.810	0.808	0.806	0.803	0.800	0.797	0.794	0.790	0.786	0.782	0.777	0.772	0.766		
45					0.814	0.813	0.811	0.808	0.806	0.804	0.801	0.798	0.794	0.791	0.787	0.782	0.777	0.772	0.766		
44				0.816	0.815	0.813	0.811	0.809	0.806	0.804	0.801	0.798	0.795	0.791	0.787	0.783	0.778	0.773	0.767		
43			0.818	0.817	0.815	0.813	0.811	0.809	0.807	0.804	0.802	0.799	0.795	0.792	0.788	0.783	0.779	0.773	0.768		
42		0.820	0.818	0.817	0.815	0.813	0.812	0.809	0.807	0.805	0.802	0.799	0.796	0.792	0.788	0.784	0.779	0.774	0.768		
41	0.821	0.820	0.819	0.817	0.816	0.814	0.812	0.810	0.808	0.805	0.802	0.799	0.796	0.793	0.789	0.785	0.780	0.775	0.769		
40	0.823	0.821	0.820	0.819	0.817	0.816	0.814	0.812	0.810	0.808	0.806	0.803	0.800	0.797	0.793	0.789	0.785	0.780	0.775	0.770	
39	0.823	0.822	0.821	0.819	0.818	0.816	0.815	0.813	0.811	0.809	0.806	0.803	0.801	0.797	0.794	0.790	0.786	0.781	0.776	0.771	
38	0.823	0.822	0.821	0.820	0.818	0.817	0.815	0.813	0.811	0.809	0.807	0.804	0.801	0.798	0.795	0.791	0.787	0.782	0.777	0.771	
37	0.823	0.822	0.821	0.820	0.819	0.817	0.815	0.814	0.812	0.809	0.807	0.805	0.802	0.799	0.795	0.791	0.787	0.783	0.778	0.772	
36	0.824	0.823	0.822	0.820	0.819	0.817	0.816	0.814	0.812	0.810	0.808	0.805	0.802	0.799	0.796	0.792	0.788	0.784	0.779	0.773	
Beneficiary younger than Retiree	35	0.824	0.823	0.822	0.821	0.819	0.818	0.816	0.815	0.813	0.811	0.808	0.806	0.803	0.800	0.797	0.793	0.789	0.784	0.780	0.774
	34	0.824	0.823	0.822	0.821	0.820	0.818	0.817	0.815	0.813	0.811	0.809	0.806	0.804	0.801	0.797	0.794	0.790	0.785	0.781	0.775
	33	0.825	0.824	0.823	0.822	0.820	0.819	0.817	0.816	0.814	0.812	0.810	0.807	0.804	0.801	0.798	0.795	0.791	0.786	0.782	0.776
	32	0.825	0.824	0.823	0.822	0.821	0.819	0.818	0.816	0.814	0.812	0.810	0.808	0.805	0.802	0.799	0.796	0.792	0.787	0.783	0.777
	31	0.826	0.825	0.824	0.823	0.821	0.820	0.819	0.817	0.815	0.813	0.811	0.809	0.806	0.803	0.800	0.797	0.793	0.789	0.784	0.779

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7b: 50% Joint and Survivor Annuity - Option 3 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
Beneficiary younger than Retiree	30	0.826	0.825	0.824	0.823	0.822	0.821	0.819	0.818	0.816	0.814	0.812	0.809	0.807	0.804	0.801	0.798	0.794	0.790	0.785	0.780
	29	0.827	0.826	0.825	0.824	0.823	0.821	0.820	0.818	0.817	0.815	0.813	0.810	0.808	0.805	0.802	0.799	0.795	0.791	0.786	0.781
	28	0.827	0.826	0.825	0.824	0.823	0.822	0.821	0.819	0.817	0.816	0.813	0.811	0.809	0.806	0.803	0.800	0.796	0.792	0.788	0.783
	27	0.828	0.827	0.826	0.825	0.824	0.823	0.821	0.820	0.818	0.816	0.814	0.812	0.810	0.807	0.804	0.801	0.798	0.794	0.789	0.784
	26	0.828	0.827	0.826	0.826	0.824	0.823	0.822	0.821	0.819	0.817	0.815	0.813	0.811	0.808	0.806	0.802	0.799	0.795	0.791	0.786
	25	0.829	0.828	0.827	0.826	0.825	0.824	0.823	0.821	0.820	0.818	0.816	0.814	0.812	0.810	0.807	0.804	0.800	0.797	0.792	0.788
	24	0.829	0.829	0.828	0.827	0.826	0.825	0.824	0.822	0.821	0.819	0.817	0.816	0.813	0.811	0.808	0.805	0.802	0.798	0.794	0.790
	23	0.830	0.829	0.829	0.828	0.827	0.826	0.825	0.823	0.822	0.820	0.819	0.817	0.815	0.812	0.810	0.807	0.804	0.800	0.796	0.792
	22	0.831	0.830	0.829	0.828	0.828	0.827	0.826	0.824	0.823	0.822	0.820	0.818	0.816	0.814	0.811	0.808	0.805	0.802	0.798	0.794
	21	0.831	0.831	0.830	0.829	0.828	0.828	0.827	0.825	0.824	0.823	0.821	0.819	0.817	0.815	0.813	0.810	0.807	0.804	0.800	0.796
	20	0.832	0.832	0.831	0.830	0.829	0.829	0.828	0.827	0.825	0.824	0.822	0.821	0.819	0.817	0.815	0.812	0.809	0.806	0.802	0.798
	19	0.833	0.832	0.832	0.831	0.830	0.830	0.829	0.828	0.827	0.825	0.824	0.822	0.821	0.819	0.816	0.814	0.811	0.808	0.804	0.801
	18	0.834	0.833	0.833	0.832	0.831	0.831	0.830	0.829	0.828	0.827	0.825	0.824	0.822	0.820	0.818	0.816	0.813	0.810	0.807	0.803
	17	0.835	0.834	0.834	0.833	0.833	0.832	0.831	0.830	0.829	0.828	0.827	0.826	0.824	0.822	0.820	0.818	0.815	0.812	0.809	0.806
	16	0.835	0.835	0.835	0.834	0.834	0.833	0.832	0.832	0.831	0.830	0.829	0.827	0.826	0.824	0.822	0.820	0.818	0.815	0.812	0.808
	15	0.836	0.836	0.836	0.835	0.835	0.834	0.834	0.833	0.832	0.831	0.830	0.829	0.828	0.826	0.824	0.822	0.820	0.818	0.815	0.811
	14	0.837	0.837	0.837	0.837	0.836	0.836	0.835	0.834	0.833	0.832	0.831	0.830	0.828	0.827	0.825	0.823	0.820	0.818	0.814	0.810
	13	0.839	0.838	0.838	0.838	0.838	0.837	0.837	0.836	0.836	0.835	0.834	0.833	0.832	0.831	0.829	0.827	0.825	0.823	0.821	0.818
	12	0.840	0.840	0.839	0.839	0.839	0.839	0.838	0.838	0.837	0.837	0.836	0.835	0.834	0.833	0.832	0.830	0.828	0.826	0.824	0.821
	11	0.841	0.841	0.841	0.841	0.841	0.840	0.840	0.840	0.839	0.839	0.838	0.837	0.836	0.835	0.834	0.833	0.831	0.829	0.827	0.824
10	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.841	0.841	0.840	0.840	0.839	0.838	0.837	0.836	0.834	0.832	0.830	0.828	
9	0.843	0.844	0.844	0.844	0.844	0.844	0.844	0.843	0.843	0.843	0.843	0.842	0.841	0.841	0.840	0.839	0.837	0.836	0.834	0.832	
8	0.845	0.845	0.845	0.845	0.845	0.846	0.846	0.845	0.845	0.845	0.845	0.845	0.844	0.844	0.843	0.842	0.841	0.839	0.838	0.836	
7	0.846	0.847	0.847	0.847	0.847	0.847	0.848	0.848	0.848	0.848	0.847	0.847	0.847	0.846	0.846	0.845	0.844	0.843	0.842	0.840	
6	0.848	0.848	0.848	0.849	0.849	0.849	0.850	0.850	0.850	0.850	0.850	0.850	0.850	0.849	0.849	0.848	0.848	0.847	0.846	0.844	
5	0.849	0.850	0.850	0.851	0.851	0.851	0.852	0.852	0.852	0.853	0.853	0.853	0.853	0.853	0.852	0.852	0.851	0.851	0.850	0.849	
4	0.851	0.851	0.852	0.853	0.853	0.854	0.854	0.854	0.855	0.855	0.856	0.856	0.856	0.856	0.856	0.855	0.855	0.855	0.854	0.853	
3	0.853	0.853	0.854	0.854	0.855	0.856	0.856	0.857	0.857	0.858	0.858	0.859	0.859	0.859	0.859	0.859	0.859	0.859	0.858	0.858	
2	0.854	0.855	0.856	0.857	0.857	0.858	0.859	0.859	0.860	0.861	0.861	0.862	0.862	0.863	0.863	0.863	0.863	0.863	0.863	0.862	
1	0.856	0.857	0.858	0.859	0.860	0.860	0.861	0.862	0.863	0.864	0.864	0.865	0.866	0.866	0.867	0.867	0.867	0.868	0.868	0.867	
Beneficiary same age as Retiree	0	0.858	0.859	0.860	0.861	0.862	0.863	0.864	0.865	0.866	0.867	0.868	0.868	0.869	0.870	0.871	0.871	0.872	0.872	0.872	0.872

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7b: 50% Joint and Survivor Annuity - Option 3 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

Beneficiary Age Difference	Attained Age at Retirement																				
	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
Beneficiary older than Retiree	-1	0.860	0.861	0.862	0.863	0.864	0.865	0.866	0.868	0.869	0.870	0.871	0.872	0.873	0.874	0.875	0.876	0.877	0.877	0.877	
	-2	0.862	0.863	0.864	0.866	0.867	0.868	0.869	0.870	0.872	0.873	0.874	0.875	0.876	0.878	0.879	0.880	0.880	0.881	0.882	0.882
	-3	0.864	0.865	0.867	0.868	0.869	0.871	0.872	0.873	0.875	0.876	0.877	0.879	0.880	0.881	0.883	0.884	0.885	0.886	0.887	0.887
	-4	0.866	0.868	0.869	0.870	0.872	0.873	0.875	0.876	0.878	0.879	0.881	0.882	0.884	0.885	0.887	0.888	0.889	0.891	0.892	0.893
	-5	0.869	0.870	0.872	0.873	0.875	0.876	0.878	0.879	0.881	0.883	0.884	0.886	0.888	0.889	0.891	0.893	0.894	0.895	0.897	0.898
-6	0.871	0.872	0.874	0.876	0.877	0.879	0.881	0.883	0.884	0.886	0.888	0.890	0.892	0.893	0.895	0.897	0.899	0.900	0.901	0.903	
-7	0.873	0.875	0.877	0.878	0.880	0.882	0.884	0.886	0.888	0.890	0.892	0.894	0.896	0.898	0.899	0.901	0.903	0.905	0.906	0.908	
-8	0.876	0.877	0.879	0.881	0.883	0.885	0.887	0.889	0.891	0.893	0.895	0.897	0.900	0.902	0.904	0.906	0.908	0.909	0.911	0.913	
-9	0.878	0.880	0.882	0.884	0.886	0.888	0.890	0.892	0.895	0.897	0.899	0.901	0.904	0.906	0.908	0.910	0.912	0.914	0.916	0.918	
-10	0.881	0.883	0.885	0.887	0.889	0.891	0.894	0.896	0.898	0.900	0.903	0.905	0.907	0.910	0.912	0.914	0.917	0.919	0.921	0.922	
-11	0.883	0.886	0.888	0.890	0.892	0.894	0.897	0.899	0.902	0.904	0.907	0.909	0.911	0.914	0.916	0.919	0.921	0.923	0.925	0.927	
-12	0.886	0.888	0.891	0.893	0.895	0.898	0.900	0.903	0.905	0.908	0.910	0.913	0.915	0.918	0.920	0.923	0.925	0.927	0.930	0.932	
-13	0.889	0.891	0.894	0.896	0.898	0.901	0.904	0.906	0.909	0.911	0.914	0.917	0.919	0.922	0.924	0.927	0.929	0.932	0.934	0.936	
-14	0.892	0.894	0.897	0.899	0.902	0.904	0.907	0.910	0.912	0.915	0.918	0.920	0.923	0.926	0.928	0.931	0.934	0.936	0.939	0.941	
-15	0.895	0.897	0.900	0.902	0.905	0.908	0.910	0.913	0.916	0.919	0.921	0.924	0.927	0.930	0.932	0.935	0.938	0.940	0.943	0.945	
-16	0.898	0.900	0.903	0.905	0.908	0.911	0.914	0.917	0.919	0.922	0.925	0.928	0.931	0.934	0.936	0.939	0.942	0.944	0.947	0.949	
-17	0.901	0.903	0.906	0.909	0.912	0.914	0.917	0.920	0.923	0.926	0.929	0.932	0.934	0.937	0.940	0.943	0.946	0.948	0.951	0.953	
-18	0.904	0.906	0.909	0.912	0.915	0.918	0.921	0.924	0.927	0.929	0.932	0.935	0.938	0.941	0.944	0.947	0.949	0.952	0.954	0.957	
-19	0.907	0.910	0.912	0.915	0.918	0.921	0.924	0.927	0.930	0.933	0.936	0.939	0.942	0.945	0.948	0.950	0.953	0.956	0.958	0.960	
-20	0.910	0.913	0.916	0.919	0.922	0.925	0.928	0.931	0.934	0.937	0.940	0.942	0.945	0.948	0.951	0.954	0.957	0.959	0.962	0.964	
-21	0.913	0.916	0.919	0.922	0.925	0.928	0.931	0.934	0.937	0.940	0.943	0.946	0.949	0.952	0.955	0.957	0.960	0.962	0.965	0.967	
-22	0.916	0.919	0.922	0.925	0.928	0.931	0.934	0.937	0.940	0.943	0.946	0.949	0.952	0.955	0.958	0.961	0.963	0.966	0.968	0.970	
-23	0.920	0.923	0.926	0.929	0.932	0.935	0.938	0.941	0.944	0.947	0.950	0.953	0.956	0.958	0.961	0.964	0.966	0.969	0.971	0.973	
-24	0.923	0.926	0.929	0.932	0.935	0.938	0.941	0.944	0.947	0.950	0.953	0.956	0.959	0.962	0.964	0.967	0.969	0.971	0.973	0.975	
-25	0.926	0.929	0.932	0.935	0.938	0.941	0.945	0.948	0.951	0.953	0.956	0.959	0.962	0.965	0.967	0.970	0.972	0.974	0.976	0.978	
-26	0.929	0.932	0.936	0.939	0.942	0.945	0.948	0.951	0.954	0.957	0.959	0.962	0.965	0.967	0.970	0.972	0.974	0.976	0.978	0.980	
-27	0.933	0.936	0.939	0.942	0.945	0.948	0.951	0.954	0.957	0.960	0.963	0.965	0.968	0.970	0.973	0.975	0.977	0.979	0.980	0.982	
-28	0.936	0.939	0.942	0.945	0.948	0.951	0.954	0.957	0.960	0.963	0.965	0.968	0.970	0.973	0.975	0.977	0.979	0.981	0.982	0.984	
-29	0.939	0.942	0.945	0.948	0.951	0.954	0.957	0.960	0.963	0.966	0.968	0.971	0.973	0.975	0.977	0.979	0.981	0.983	0.984	0.986	
-30	0.942	0.946	0.949	0.952	0.955	0.958	0.960	0.963	0.966	0.968	0.971	0.973	0.975	0.978	0.980	0.981	0.983	0.984	0.986	0.987	
-31	0.946	0.949	0.952	0.955	0.958	0.961	0.963	0.966	0.969	0.971	0.973	0.976	0.978	0.980	0.982	0.983	0.985	0.986	0.987	0.988	
-32	0.949	0.952	0.955	0.958	0.961	0.964	0.966	0.969	0.971	0.974	0.976	0.978	0.980	0.982	0.983	0.985	0.986	0.987	0.989	0.989	
-33	0.952	0.955	0.958	0.961	0.964	0.966	0.969	0.971	0.974	0.976	0.978	0.980	0.982	0.983	0.985	0.986	0.988	0.989	0.990	0.990	
-34	0.955	0.958	0.961	0.964	0.966	0.969	0.972	0.974	0.976	0.978	0.980	0.982	0.984	0.985	0.987	0.988	0.989	0.990	0.991	0.991	
-35	0.958	0.961	0.964	0.967	0.969	0.972	0.974	0.976	0.978	0.980	0.982	0.984	0.985	0.987	0.988	0.989	0.990	0.991	0.991	0.992	
Beneficiary older than Retiree	-36	0.961	0.964	0.967	0.969	0.972	0.974	0.976	0.978	0.980	0.982	0.984	0.985	0.987	0.988	0.989	0.990	0.991	0.992	0.993	
-37	0.964	0.967	0.969	0.972	0.974	0.976	0.979	0.980	0.982	0.984	0.985	0.987	0.988	0.989	0.990	0.991	0.992	0.992	0.993	0.993	
-38	0.967	0.969	0.972	0.974	0.977	0.979	0.981	0.982	0.984	0.986	0.987	0.988	0.989	0.990	0.991	0.992	0.992	0.993	0.994	0.994	
-39	0.970	0.972	0.974	0.977	0.979	0.981	0.982	0.984	0.986	0.987	0.988	0.989	0.990	0.991	0.992	0.993	0.993	0.994	0.994	0.994	
-40	0.972	0.974	0.977	0.979	0.981	0.983	0.984	0.986	0.987	0.988	0.989	0.990	0.991	0.992	0.993	0.993	0.994	0.994	0.994	0.995	

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7b: 50% Joint and Survivor Annuity - Option 3 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

Beneficiary Age Difference	Attained Age at Retirement																			
	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
Beneficiary older than Retiree -41	0.975	0.977	0.979	0.981	0.983	0.984	0.986	0.987	0.988	0.989	0.990	0.991	0.992	0.993	0.993	0.994	0.994	0.994	0.995	0.995
-42	0.977	0.979	0.981	0.983	0.984	0.986	0.987	0.988	0.990	0.990	0.991	0.992	0.993	0.993	0.994	0.994	0.994	0.995	0.995	0.995
-43	0.979	0.981	0.983	0.984	0.986	0.987	0.989	0.990	0.991	0.991	0.992	0.993	0.993	0.994	0.994	0.995	0.995	0.995	0.995	0.996
-44	0.981	0.983	0.984	0.986	0.987	0.989	0.990	0.991	0.991	0.992	0.993	0.993	0.994	0.994	0.995	0.995	0.995	0.995	0.996	0.996
-45	0.983	0.984	0.986	0.987	0.989	0.990	0.991	0.991	0.992	0.993	0.993	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996
-46	0.985	0.986	0.987	0.989	0.990	0.991	0.992	0.992	0.993	0.993	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.996
-47	0.986	0.987	0.989	0.990	0.991	0.992	0.992	0.993	0.994	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.996	0.996
-48	0.987	0.989	0.990	0.991	0.992	0.992	0.993	0.994	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.996	0.996	0.996
-49	0.989	0.990	0.991	0.992	0.992	0.993	0.994	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.997
-50	0.990	0.991	0.992	0.992	0.993	0.994	0.994	0.995	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.997	0.997
-51	0.991	0.992	0.992	0.993	0.994	0.994	0.995	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997
-52	0.992	0.992	0.993	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997
-53	0.992	0.993	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-54	0.993	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-55	0.994	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-56	0.994	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-57	0.995	0.995	0.995	0.996	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-58	0.995	0.995	0.996	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-59	0.995	0.996	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-60	0.996	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-61	0.996	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-62	0.996	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-63	0.996	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-64	0.996	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-65	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-66	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-67	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-68	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-69	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-70	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-71	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-72	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-73	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-74	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-75	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
Beneficiary older than Retiree -76	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-77	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-78	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-79	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997
-80	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7b: 50% Joint and Survivor Annuity - Option 3 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
Beneficiary	-81																				
older	-82																				
than	-83																				
Retiree	-84																				
	-85																				
	-86																				
	-87																				
	-88																				
	-89																				
	-90																				

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7b: 50% Joint and Survivor Annuity - Option 3 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

Beneficiary Age Difference	Attained Age at Retirement										
	60	61	62	63	64	65	66	67	68	69	70
Beneficiary younger than Retiree											0.636
70											0.636
69										0.652	0.636
68									0.667	0.652	0.637
67								0.681	0.668	0.653	0.637
66							0.695	0.682	0.668	0.653	0.637
65						0.707	0.695	0.682	0.668	0.653	0.638
64					0.718	0.707	0.695	0.682	0.668	0.654	0.638
63				0.728	0.718	0.708	0.696	0.683	0.669	0.654	0.638
62			0.738	0.729	0.719	0.708	0.696	0.683	0.669	0.654	0.639
61		0.746	0.738	0.729	0.719	0.708	0.696	0.683	0.670	0.655	0.639
60	0.754	0.746	0.738	0.729	0.719	0.709	0.697	0.684	0.670	0.655	0.640
59	0.754	0.747	0.738	0.730	0.720	0.709	0.697	0.684	0.670	0.656	0.640
58	0.754	0.747	0.739	0.730	0.720	0.709	0.697	0.685	0.671	0.656	0.641
57	0.755	0.747	0.739	0.730	0.720	0.710	0.698	0.685	0.671	0.657	0.641
56	0.755	0.748	0.739	0.731	0.721	0.710	0.698	0.685	0.672	0.657	0.642
55	0.755	0.748	0.740	0.731	0.721	0.711	0.699	0.686	0.672	0.658	0.642
54	0.756	0.748	0.740	0.731	0.722	0.711	0.699	0.687	0.673	0.658	0.643
53	0.756	0.749	0.741	0.732	0.722	0.712	0.700	0.687	0.674	0.659	0.644
52	0.756	0.749	0.741	0.732	0.723	0.712	0.700	0.688	0.674	0.660	0.644
51	0.757	0.750	0.742	0.733	0.723	0.713	0.701	0.688	0.675	0.660	0.645
50	0.757	0.750	0.742	0.734	0.724	0.713	0.702	0.689	0.675	0.661	0.646
49	0.758	0.751	0.743	0.734	0.725	0.714	0.702	0.690	0.676	0.662	0.646
48	0.758	0.751	0.743	0.735	0.725	0.715	0.703	0.690	0.677	0.663	0.647
47	0.759	0.752	0.744	0.735	0.726	0.715	0.704	0.691	0.678	0.663	0.648
46	0.759	0.752	0.745	0.736	0.726	0.716	0.704	0.692	0.679	0.664	0.649
45	0.760	0.753	0.745	0.737	0.727	0.717	0.705	0.693	0.679	0.665	0.650
44	0.761	0.754	0.746	0.737	0.728	0.718	0.706	0.694	0.680	0.666	0.651
43	0.761	0.754	0.747	0.738	0.729	0.718	0.707	0.695	0.681	0.667	0.652
42	0.762	0.755	0.747	0.739	0.730	0.719	0.708	0.696	0.683	0.668	0.654
41	0.763	0.756	0.748	0.740	0.731	0.720	0.709	0.697	0.684	0.670	0.655
40	0.764	0.757	0.749	0.741	0.732	0.721	0.710	0.698	0.685	0.671	0.656
39	0.764	0.758	0.750	0.742	0.733	0.723	0.711	0.699	0.686	0.672	0.658
38	0.765	0.758	0.751	0.743	0.734	0.724	0.713	0.700	0.688	0.674	0.659
37	0.766	0.759	0.752	0.744	0.735	0.725	0.714	0.702	0.689	0.675	0.661
36	0.767	0.761	0.753	0.745	0.736	0.726	0.715	0.703	0.691	0.677	0.662
Beneficiary younger than Retiree											0.664
35	0.768	0.762	0.754	0.746	0.738	0.728	0.717	0.705	0.692	0.679	0.664
34	0.769	0.763	0.756	0.748	0.739	0.729	0.718	0.707	0.694	0.680	0.666
33	0.770	0.764	0.757	0.749	0.740	0.731	0.720	0.708	0.696	0.682	0.668
32	0.772	0.765	0.758	0.751	0.742	0.732	0.722	0.710	0.698	0.684	0.670
31	0.773	0.767	0.760	0.752	0.744	0.734	0.724	0.712	0.700	0.687	0.673

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7b: 50% Joint and Survivor Annuity - Option 3 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement										
		60	61	62	63	64	65	66	67	68	69	70
Beneficiary younger than Retiree	30	0.774	0.768	0.761	0.754	0.745	0.736	0.725	0.714	0.702	0.689	0.675
	29	0.776	0.770	0.763	0.756	0.747	0.738	0.728	0.716	0.704	0.691	0.678
	28	0.778	0.772	0.765	0.757	0.749	0.740	0.730	0.719	0.707	0.694	0.680
	27	0.779	0.773	0.767	0.759	0.751	0.742	0.732	0.721	0.709	0.697	0.683
	26	0.781	0.775	0.769	0.761	0.753	0.745	0.734	0.724	0.712	0.700	0.686
	25	0.783	0.777	0.771	0.764	0.756	0.747	0.737	0.726	0.715	0.703	0.689
	24	0.785	0.779	0.773	0.766	0.758	0.750	0.740	0.729	0.718	0.706	0.693
	23	0.787	0.781	0.775	0.768	0.761	0.752	0.743	0.732	0.721	0.709	0.696
	22	0.789	0.784	0.778	0.771	0.764	0.755	0.746	0.736	0.725	0.713	0.700
	21	0.791	0.786	0.780	0.774	0.766	0.758	0.749	0.739	0.728	0.717	0.704
	20	0.794	0.789	0.783	0.777	0.769	0.761	0.752	0.743	0.732	0.721	0.709
	19	0.796	0.791	0.786	0.780	0.773	0.765	0.756	0.746	0.736	0.725	0.713
	18	0.799	0.794	0.789	0.783	0.776	0.768	0.760	0.750	0.740	0.729	0.718
	17	0.802	0.797	0.792	0.786	0.780	0.772	0.764	0.755	0.745	0.734	0.723
	16	0.805	0.800	0.795	0.790	0.783	0.776	0.768	0.759	0.750	0.739	0.728
	15	0.808	0.803	0.799	0.793	0.787	0.780	0.772	0.764	0.754	0.744	0.734
	14	0.811	0.807	0.802	0.797	0.791	0.785	0.777	0.769	0.760	0.750	0.739
	13	0.814	0.810	0.806	0.801	0.796	0.789	0.782	0.774	0.765	0.756	0.745
	12	0.818	0.814	0.810	0.805	0.800	0.794	0.787	0.779	0.771	0.761	0.752
	11	0.822	0.818	0.814	0.810	0.805	0.799	0.792	0.785	0.776	0.768	0.758
10	0.825	0.822	0.819	0.814	0.810	0.804	0.797	0.790	0.783	0.774	0.765	
9	0.829	0.826	0.823	0.819	0.815	0.809	0.803	0.796	0.789	0.781	0.772	
8	0.834	0.831	0.828	0.824	0.820	0.815	0.809	0.803	0.795	0.788	0.779	
7	0.838	0.836	0.833	0.829	0.825	0.821	0.815	0.809	0.802	0.795	0.787	
6	0.842	0.840	0.838	0.835	0.831	0.827	0.821	0.816	0.809	0.802	0.795	
Beneficiary younger than Retiree	5	0.847	0.845	0.843	0.840	0.837	0.833	0.828	0.822	0.816	0.810	0.803
	4	0.852	0.850	0.848	0.846	0.843	0.839	0.834	0.829	0.824	0.818	0.811
	3	0.857	0.855	0.854	0.851	0.849	0.845	0.841	0.836	0.831	0.825	0.819
	2	0.862	0.861	0.859	0.857	0.855	0.852	0.848	0.844	0.839	0.833	0.827
	1	0.867	0.866	0.865	0.863	0.861	0.858	0.855	0.851	0.846	0.841	0.836
Beneficiary same age as Retiree	0	0.872	0.871	0.870	0.869	0.867	0.865	0.862	0.858	0.854	0.850	0.845

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7b: 50% Joint and Survivor Annuity - Option 3 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement										
		60	61	62	63	64	65	66	67	68	69	70
Beneficiary	-1	0.877	0.877	0.876	0.875	0.874	0.872	0.869	0.865	0.862	0.858	0.853
older	-2	0.882	0.882	0.882	0.881	0.880	0.878	0.876	0.873	0.870	0.866	0.862
than	-3	0.888	0.888	0.888	0.887	0.886	0.885	0.883	0.880	0.877	0.874	0.871
Retiree	-4	0.893	0.894	0.894	0.893	0.893	0.892	0.890	0.888	0.885	0.882	0.879
	-5	0.898	0.899	0.899	0.899	0.899	0.898	0.897	0.895	0.893	0.890	0.888
	-6	0.904	0.905	0.905	0.905	0.905	0.905	0.904	0.902	0.900	0.898	0.896
	-7	0.909	0.910	0.911	0.911	0.911	0.911	0.910	0.909	0.908	0.906	0.904
	-8	0.914	0.915	0.916	0.917	0.917	0.917	0.917	0.916	0.915	0.914	0.912
	-9	0.919	0.921	0.922	0.923	0.923	0.924	0.923	0.923	0.922	0.921	0.919
	-10	0.924	0.926	0.927	0.928	0.929	0.929	0.929	0.929	0.929	0.928	0.926
	-11	0.929	0.931	0.932	0.934	0.935	0.935	0.935	0.935	0.935	0.934	0.933
	-12	0.934	0.936	0.937	0.939	0.940	0.941	0.941	0.941	0.941	0.940	0.940
	-13	0.939	0.940	0.942	0.944	0.945	0.946	0.946	0.947	0.947	0.946	0.946
	-14	0.943	0.945	0.947	0.948	0.950	0.951	0.951	0.952	0.952	0.952	0.951
	-15	0.947	0.949	0.951	0.953	0.954	0.955	0.956	0.956	0.957	0.957	0.956
	-16	0.951	0.954	0.955	0.957	0.959	0.960	0.960	0.961	0.961	0.961	0.961
	-17	0.955	0.958	0.959	0.961	0.963	0.964	0.964	0.965	0.965	0.965	0.965
	-18	0.959	0.961	0.963	0.965	0.966	0.967	0.968	0.969	0.969	0.969	0.969
	-19	0.963	0.965	0.967	0.968	0.970	0.971	0.972	0.972	0.972	0.972	0.972
	-20	0.966	0.968	0.970	0.971	0.973	0.974	0.975	0.975	0.975	0.975	0.975
	-21	0.969	0.971	0.973	0.974	0.976	0.977	0.977	0.978	0.978	0.978	0.978
	-22	0.972	0.974	0.976	0.977	0.978	0.979	0.980	0.980	0.980	0.980	0.980
	-23	0.975	0.977	0.978	0.980	0.981	0.982	0.982	0.982	0.982	0.982	0.982
	-24	0.977	0.979	0.980	0.982	0.983	0.984	0.984	0.984	0.984	0.984	0.984
	-25	0.980	0.981	0.983	0.984	0.985	0.985	0.986	0.986	0.986	0.986	0.985
	-26	0.982	0.983	0.984	0.985	0.986	0.987	0.987	0.987	0.987	0.987	0.986
	-27	0.984	0.985	0.986	0.987	0.988	0.988	0.988	0.988	0.988	0.988	0.987
	-28	0.985	0.986	0.987	0.988	0.989	0.989	0.989	0.989	0.989	0.989	0.988
	-29	0.987	0.988	0.989	0.989	0.990	0.990	0.990	0.990	0.990	0.990	0.989
	-30	0.988	0.989	0.990	0.990	0.991	0.991	0.991	0.991	0.991	0.990	0.990
	-31	0.989	0.990	0.991	0.991	0.992	0.992	0.992	0.992	0.992	0.991	0.991
	-32	0.990	0.991	0.992	0.992	0.992	0.993	0.993	0.992	0.992	0.992	0.991
	-33	0.991	0.992	0.992	0.993	0.993	0.993	0.993	0.993	0.993	0.992	0.992
	-34	0.992	0.993	0.993	0.993	0.993	0.994	0.993	0.993	0.993	0.993	0.992
	-35	0.993	0.993	0.993	0.994	0.994	0.994	0.994	0.994	0.993	0.993	0.992
Beneficiary	-36	0.993	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.993	0.993
older	-37	0.994	0.994	0.994	0.995	0.995	0.995	0.995	0.994	0.994	0.993	0.993
than	-38	0.994	0.994	0.995	0.995	0.995	0.995	0.995	0.995	0.994	0.994	0.993
Retiree	-39	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.994	0.994	0.993
	-40	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.995	0.994	0.993

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7b: 50% Joint and Survivor Annuity - Option 3 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement										
		60	61	62	63	64	65	66	67	68	69	70
Beneficiary	-41	0.995	0.995	0.996	0.996	0.996	0.996	0.995	0.995	0.995	0.994	
older	-42	0.996	0.996	0.996	0.996	0.996	0.996	0.995	0.995	0.995		
than	-43	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.995			
Retiree	-44	0.996	0.996	0.996	0.996	0.996	0.996	0.996				
	-45	0.996	0.996	0.996	0.996	0.996	0.996					
	-46	0.996	0.996	0.996	0.996	0.996						
	-47	0.996	0.996	0.996	0.996							
	-48	0.996	0.996	0.997								
	-49	0.997	0.997									
	-50	0.997										
	-51											
	-52											
	-53											
	-54											
	-55											
	-56											
	-57											
	-58											
	-59											
	-60											
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	-62											
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	-64											
	-65											
	-66											
	-67											
	-68											
	-69											
	-70											
	-71											
	-72											
	-73											
	-74											
	-75											
Beneficiary	-76											
older	-77											
than	-78											
Retiree	-79											
	-80											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 7b: 50% Joint and Survivor Annuity - Option 3 - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement										
		60	61	62	63	64	65	66	67	68	69	70
Beneficiary	-81											
older	-82											
than	-83											
Retiree	-84											
	-85											
	-86											
	-87											
	-88											
	-89											
	-90											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8a: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

Beneficiary Age Difference	Attained Age at Retirement																			
	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
Beneficiary younger than Retiree 75																				
74																				
73																				
72																				
71																				
70																				
69																				
68																				
67																				
66																				
65																				
64																				0.680
63																			0.695	0.681
62																		0.710	0.695	0.681
61																	0.724	0.710	0.696	0.681
60																0.737	0.724	0.710	0.696	0.682
59															0.750	0.738	0.724	0.711	0.697	0.682
58														0.763	0.751	0.738	0.725	0.711	0.697	0.683
57													0.775	0.763	0.751	0.738	0.725	0.712	0.698	0.683
56												0.787	0.776	0.764	0.752	0.739	0.726	0.712	0.698	0.684
55											0.798	0.787	0.776	0.764	0.752	0.739	0.726	0.713	0.699	0.684
54										0.809	0.798	0.788	0.776	0.765	0.753	0.740	0.727	0.713	0.699	0.685
53									0.819	0.809	0.799	0.788	0.777	0.765	0.753	0.741	0.727	0.714	0.700	0.686
52								0.829	0.819	0.810	0.799	0.789	0.777	0.766	0.754	0.741	0.728	0.715	0.701	0.686
51							0.838	0.829	0.820	0.810	0.800	0.789	0.778	0.766	0.754	0.742	0.729	0.715	0.701	0.687
50						0.847	0.839	0.830	0.820	0.811	0.800	0.790	0.779	0.767	0.755	0.742	0.729	0.716	0.702	0.688
49					0.856	0.848	0.839	0.830	0.821	0.811	0.801	0.790	0.779	0.768	0.756	0.743	0.730	0.717	0.703	0.689
48				0.864	0.856	0.848	0.840	0.831	0.821	0.812	0.802	0.791	0.780	0.768	0.756	0.744	0.731	0.718	0.704	0.690
47			0.871	0.864	0.856	0.849	0.840	0.831	0.822	0.812	0.802	0.792	0.781	0.769	0.757	0.745	0.732	0.718	0.705	0.691
46		0.879	0.872	0.865	0.857	0.849	0.841	0.832	0.823	0.813	0.803	0.792	0.781	0.770	0.758	0.746	0.733	0.719	0.706	0.692
45	0.885	0.879	0.872	0.865	0.858	0.850	0.841	0.832	0.823	0.814	0.804	0.793	0.782	0.771	0.759	0.746	0.734	0.720	0.707	0.693
44	0.886	0.879	0.873	0.866	0.858	0.850	0.842	0.833	0.824	0.814	0.804	0.794	0.783	0.772	0.760	0.747	0.735	0.721	0.708	0.694
43	0.886	0.880	0.873	0.866	0.859	0.851	0.842	0.834	0.825	0.815	0.805	0.795	0.784	0.772	0.761	0.748	0.736	0.722	0.709	0.695
42	0.887	0.880	0.874	0.867	0.859	0.851	0.843	0.835	0.825	0.816	0.806	0.796	0.785	0.773	0.762	0.749	0.737	0.724	0.710	0.696
41	0.887	0.881	0.874	0.867	0.860	0.852	0.844	0.835	0.826	0.817	0.807	0.796	0.786	0.774	0.763	0.751	0.738	0.725	0.711	0.697
Beneficiary younger than Retiree 40	0.888	0.882	0.875	0.868	0.861	0.853	0.845	0.836	0.827	0.818	0.808	0.797	0.787	0.775	0.764	0.752	0.739	0.726	0.713	0.699
39	0.889	0.882	0.876	0.869	0.861	0.854	0.845	0.837	0.828	0.819	0.809	0.798	0.788	0.777	0.765	0.753	0.740	0.727	0.714	0.700
38	0.889	0.883	0.876	0.869	0.862	0.854	0.846	0.838	0.829	0.820	0.810	0.800	0.789	0.778	0.766	0.754	0.742	0.729	0.716	0.702
37	0.890	0.884	0.877	0.870	0.863	0.855	0.847	0.839	0.830	0.821	0.811	0.801	0.790	0.779	0.768	0.756	0.743	0.730	0.717	0.704
36	0.890	0.884	0.878	0.871	0.864	0.856	0.848	0.840	0.831	0.822	0.812	0.802	0.791	0.780	0.769	0.757	0.745	0.732	0.719	0.705

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8a: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

	Beneficiary Age Difference	Attained Age at Retirement																			
		45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
Beneficiary younger than Retiree	35	0.891	0.885	0.879	0.872	0.865	0.857	0.849	0.841	0.832	0.823	0.813	0.803	0.793	0.782	0.770	0.759	0.746	0.734	0.721	0.707
	34	0.892	0.886	0.880	0.873	0.866	0.858	0.850	0.842	0.833	0.824	0.815	0.805	0.794	0.783	0.772	0.760	0.748	0.735	0.722	0.709
	33	0.893	0.887	0.880	0.874	0.867	0.859	0.851	0.843	0.834	0.825	0.816	0.806	0.796	0.785	0.774	0.762	0.750	0.737	0.724	0.711
	32	0.894	0.888	0.881	0.875	0.868	0.860	0.853	0.844	0.836	0.827	0.817	0.808	0.797	0.787	0.775	0.764	0.752	0.739	0.727	0.713
	31	0.895	0.889	0.882	0.876	0.869	0.862	0.854	0.846	0.837	0.828	0.819	0.809	0.799	0.788	0.777	0.766	0.754	0.741	0.729	0.716
	30	0.896	0.890	0.883	0.877	0.870	0.863	0.855	0.847	0.839	0.830	0.820	0.811	0.801	0.790	0.779	0.768	0.756	0.744	0.731	0.718
	29	0.897	0.891	0.885	0.878	0.871	0.864	0.856	0.849	0.840	0.831	0.822	0.813	0.803	0.792	0.781	0.770	0.758	0.746	0.734	0.721
	28	0.898	0.892	0.886	0.879	0.873	0.865	0.858	0.850	0.842	0.833	0.824	0.814	0.805	0.794	0.783	0.772	0.761	0.749	0.736	0.723
	27	0.899	0.893	0.887	0.881	0.874	0.867	0.859	0.852	0.843	0.835	0.826	0.816	0.807	0.796	0.786	0.775	0.763	0.751	0.739	0.726
	26	0.900	0.894	0.888	0.882	0.875	0.868	0.861	0.853	0.845	0.837	0.828	0.818	0.809	0.799	0.788	0.777	0.766	0.754	0.742	0.729
	25	0.901	0.896	0.890	0.883	0.877	0.870	0.863	0.855	0.847	0.839	0.830	0.821	0.811	0.801	0.791	0.780	0.768	0.757	0.745	0.732
	24	0.902	0.897	0.891	0.885	0.878	0.872	0.865	0.857	0.849	0.841	0.832	0.823	0.813	0.804	0.793	0.783	0.771	0.760	0.748	0.736
	23	0.904	0.898	0.893	0.887	0.880	0.873	0.866	0.859	0.851	0.843	0.834	0.825	0.816	0.806	0.796	0.786	0.775	0.763	0.751	0.739
	22	0.905	0.900	0.894	0.888	0.882	0.875	0.868	0.861	0.853	0.845	0.837	0.828	0.819	0.809	0.799	0.788	0.778	0.766	0.755	0.743
	21	0.907	0.901	0.896	0.890	0.884	0.877	0.870	0.863	0.856	0.848	0.839	0.830	0.821	0.812	0.802	0.792	0.781	0.770	0.758	0.747
	20	0.908	0.903	0.897	0.892	0.886	0.879	0.872	0.865	0.858	0.850	0.842	0.833	0.824	0.815	0.805	0.795	0.784	0.773	0.762	0.751
	19	0.910	0.905	0.899	0.894	0.888	0.881	0.875	0.868	0.860	0.853	0.844	0.836	0.827	0.818	0.808	0.798	0.788	0.777	0.766	0.755
	18	0.911	0.906	0.901	0.896	0.890	0.883	0.877	0.870	0.863	0.855	0.847	0.839	0.830	0.821	0.812	0.802	0.792	0.781	0.770	0.759
	17	0.913	0.908	0.903	0.898	0.892	0.886	0.879	0.873	0.865	0.858	0.850	0.842	0.834	0.825	0.815	0.806	0.796	0.785	0.775	0.764
16	0.915	0.910	0.905	0.900	0.894	0.888	0.882	0.875	0.868	0.861	0.853	0.845	0.837	0.828	0.819	0.810	0.800	0.790	0.779	0.768	
15	0.917	0.912	0.907	0.902	0.896	0.890	0.884	0.878	0.871	0.864	0.856	0.849	0.840	0.832	0.823	0.814	0.804	0.794	0.784	0.773	
14	0.919	0.914	0.909	0.904	0.899	0.893	0.887	0.881	0.874	0.867	0.860	0.852	0.844	0.836	0.827	0.818	0.808	0.799	0.789	0.778	
13	0.921	0.916	0.911	0.906	0.901	0.896	0.890	0.883	0.877	0.870	0.863	0.856	0.848	0.840	0.831	0.822	0.813	0.803	0.794	0.784	
12	0.923	0.918	0.914	0.909	0.904	0.898	0.892	0.886	0.880	0.873	0.866	0.859	0.852	0.844	0.835	0.827	0.818	0.808	0.799	0.789	
11	0.925	0.920	0.916	0.911	0.906	0.901	0.895	0.889	0.883	0.877	0.870	0.863	0.855	0.848	0.840	0.831	0.822	0.813	0.804	0.794	
10	0.927	0.923	0.918	0.914	0.909	0.904	0.898	0.893	0.887	0.880	0.874	0.867	0.859	0.852	0.844	0.836	0.827	0.819	0.809	0.800	
9	0.929	0.925	0.921	0.916	0.911	0.906	0.901	0.896	0.890	0.884	0.877	0.871	0.864	0.856	0.849	0.841	0.832	0.824	0.815	0.806	
8	0.931	0.927	0.923	0.919	0.914	0.909	0.904	0.899	0.893	0.887	0.881	0.875	0.868	0.861	0.853	0.846	0.837	0.829	0.821	0.812	
7	0.933	0.929	0.926	0.921	0.917	0.912	0.907	0.902	0.897	0.891	0.885	0.879	0.872	0.865	0.858	0.850	0.843	0.835	0.826	0.818	
6	0.935	0.932	0.928	0.924	0.920	0.915	0.910	0.905	0.900	0.895	0.889	0.883	0.876	0.870	0.863	0.855	0.848	0.840	0.832	0.824	
Beneficiary younger than Retiree	5	0.938	0.934	0.931	0.927	0.923	0.918	0.914	0.909	0.904	0.898	0.893	0.887	0.881	0.874	0.868	0.861	0.853	0.846	0.838	0.830
	4	0.940	0.937	0.933	0.929	0.925	0.921	0.917	0.912	0.907	0.902	0.897	0.891	0.885	0.879	0.872	0.866	0.859	0.851	0.844	0.836
	3	0.942	0.939	0.936	0.932	0.928	0.924	0.920	0.915	0.911	0.906	0.900	0.895	0.889	0.883	0.877	0.871	0.864	0.857	0.850	0.842
	2	0.944	0.941	0.938	0.935	0.931	0.927	0.923	0.919	0.914	0.909	0.904	0.899	0.894	0.888	0.882	0.876	0.869	0.863	0.856	0.849
	1	0.947	0.944	0.941	0.937	0.934	0.930	0.926	0.922	0.918	0.913	0.908	0.903	0.898	0.893	0.887	0.881	0.875	0.868	0.862	0.855
Beneficiary same age as Retiree	0	0.949	0.946	0.943	0.940	0.937	0.933	0.929	0.925	0.921	0.917	0.912	0.907	0.902	0.897	0.892	0.886	0.880	0.874	0.867	0.861

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8a: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

Beneficiary Age Difference	Attained Age at Retirement																			
	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
Beneficiary older than Retiree -1	0.951	0.948	0.945	0.942	0.939	0.936	0.932	0.929	0.925	0.920	0.916	0.911	0.907	0.901	0.896	0.891	0.885	0.879	0.873	0.867
-2	0.953	0.951	0.948	0.945	0.942	0.939	0.935	0.932	0.928	0.924	0.920	0.915	0.911	0.906	0.901	0.896	0.890	0.885	0.879	0.873
-3	0.955	0.953	0.950	0.947	0.945	0.942	0.938	0.935	0.931	0.927	0.923	0.919	0.915	0.910	0.905	0.900	0.895	0.890	0.884	0.879
-4	0.957	0.955	0.953	0.950	0.947	0.944	0.941	0.938	0.934	0.931	0.927	0.923	0.919	0.914	0.910	0.905	0.900	0.895	0.890	0.885
-5	0.959	0.957	0.955	0.952	0.950	0.947	0.944	0.941	0.938	0.934	0.930	0.927	0.923	0.919	0.914	0.910	0.905	0.900	0.895	0.890
-6	0.961	0.959	0.957	0.955	0.952	0.949	0.947	0.944	0.941	0.937	0.934	0.930	0.927	0.923	0.919	0.914	0.910	0.905	0.901	0.896
-7	0.963	0.961	0.959	0.957	0.954	0.952	0.949	0.947	0.944	0.941	0.937	0.934	0.930	0.927	0.923	0.919	0.914	0.910	0.906	0.901
-8	0.965	0.963	0.961	0.959	0.957	0.954	0.952	0.949	0.947	0.944	0.940	0.937	0.934	0.930	0.927	0.923	0.919	0.915	0.911	0.906
-9	0.967	0.965	0.963	0.961	0.959	0.957	0.954	0.952	0.949	0.947	0.944	0.940	0.937	0.934	0.930	0.927	0.923	0.919	0.915	0.912
-10	0.968	0.967	0.965	0.963	0.961	0.959	0.957	0.954	0.952	0.949	0.947	0.944	0.941	0.938	0.934	0.931	0.927	0.924	0.920	0.916
-11	0.970	0.968	0.967	0.965	0.963	0.961	0.959	0.957	0.955	0.952	0.950	0.947	0.944	0.941	0.938	0.935	0.931	0.928	0.925	0.921
-12	0.972	0.970	0.969	0.967	0.965	0.963	0.961	0.959	0.957	0.955	0.952	0.950	0.947	0.944	0.941	0.938	0.935	0.932	0.929	0.926
-13	0.973	0.972	0.970	0.969	0.967	0.965	0.964	0.962	0.960	0.957	0.955	0.953	0.950	0.948	0.945	0.942	0.939	0.936	0.933	0.930
-14	0.975	0.973	0.972	0.970	0.969	0.967	0.966	0.964	0.962	0.960	0.958	0.955	0.953	0.951	0.948	0.945	0.943	0.940	0.937	0.934
-15	0.976	0.975	0.973	0.972	0.971	0.969	0.968	0.966	0.964	0.962	0.960	0.958	0.956	0.954	0.951	0.949	0.946	0.943	0.941	0.938
-16	0.977	0.976	0.975	0.974	0.972	0.971	0.969	0.968	0.966	0.964	0.962	0.960	0.958	0.956	0.954	0.952	0.949	0.947	0.944	0.942
-17	0.979	0.978	0.976	0.975	0.974	0.973	0.971	0.970	0.968	0.967	0.965	0.963	0.961	0.959	0.957	0.955	0.953	0.950	0.948	0.945
-18	0.980	0.979	0.978	0.977	0.976	0.974	0.973	0.972	0.970	0.969	0.967	0.965	0.963	0.962	0.960	0.958	0.956	0.953	0.951	0.949
-19	0.981	0.980	0.979	0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.969	0.967	0.966	0.964	0.962	0.960	0.958	0.956	0.954	0.952
-20	0.982	0.981	0.980	0.979	0.978	0.977	0.976	0.975	0.974	0.972	0.971	0.969	0.967	0.966	0.965	0.963	0.961	0.959	0.957	0.955
-21	0.983	0.982	0.982	0.981	0.980	0.979	0.978	0.977	0.975	0.974	0.973	0.971	0.970	0.969	0.967	0.965	0.964	0.962	0.960	0.958
-22	0.984	0.983	0.983	0.982	0.981	0.980	0.979	0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.969	0.968	0.966	0.964	0.962	0.961
-23	0.985	0.984	0.984	0.983	0.982	0.981	0.980	0.980	0.979	0.977	0.976	0.975	0.974	0.973	0.971	0.970	0.968	0.967	0.965	0.963
-24	0.986	0.985	0.985	0.984	0.983	0.983	0.982	0.981	0.980	0.979	0.978	0.977	0.976	0.974	0.973	0.972	0.970	0.969	0.967	0.965
-25	0.987	0.986	0.986	0.985	0.984	0.984	0.983	0.982	0.981	0.980	0.979	0.978	0.977	0.976	0.975	0.974	0.972	0.971	0.969	0.967
-26	0.988	0.987	0.987	0.986	0.985	0.985	0.984	0.983	0.983	0.982	0.981	0.980	0.979	0.978	0.977	0.975	0.974	0.973	0.971	0.969
-27	0.988	0.988	0.987	0.987	0.986	0.986	0.985	0.985	0.984	0.983	0.982	0.981	0.980	0.979	0.978	0.977	0.976	0.974	0.973	0.971
-28	0.989	0.989	0.988	0.988	0.987	0.987	0.986	0.986	0.985	0.984	0.983	0.983	0.982	0.981	0.980	0.979	0.977	0.976	0.974	0.973
-29	0.990	0.989	0.989	0.989	0.988	0.988	0.987	0.987	0.986	0.985	0.985	0.984	0.983	0.982	0.981	0.980	0.979	0.977	0.976	0.974
-30	0.990	0.990	0.990	0.989	0.989	0.989	0.988	0.987	0.987	0.986	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.979	0.977	0.976
-31	0.991	0.991	0.990	0.990	0.990	0.989	0.989	0.988	0.988	0.987	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.978	0.977
-32	0.992	0.991	0.991	0.991	0.990	0.990	0.990	0.989	0.989	0.988	0.987	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.979	0.978
-33	0.992	0.992	0.992	0.991	0.991	0.991	0.990	0.990	0.989	0.988	0.988	0.987	0.986	0.985	0.984	0.983	0.982	0.980	0.979	0.978
-34	0.993	0.992	0.992	0.992	0.992	0.991	0.991	0.990	0.990	0.989	0.988	0.988	0.987	0.986	0.985	0.984	0.983	0.981	0.980	0.979
-35	0.993	0.993	0.993	0.992	0.992	0.992	0.992	0.991	0.991	0.990	0.989	0.989	0.988	0.988	0.987	0.986	0.985	0.983	0.982	0.980
Beneficiary older than Retiree -36	0.994	0.993	0.993	0.993	0.993	0.992	0.992	0.992	0.991	0.991	0.990	0.990	0.989	0.988	0.988	0.987	0.985	0.984	0.983	0.981
-37	0.994	0.994	0.994	0.993	0.993	0.993	0.993	0.992	0.992	0.991	0.991	0.990	0.990	0.989	0.988	0.987	0.986	0.985	0.983	0.982
-38	0.994	0.994	0.994	0.994	0.994	0.993	0.993	0.993	0.992	0.992	0.991	0.991	0.990	0.989	0.989	0.988	0.987	0.985	0.984	0.982
-39	0.995	0.995	0.994	0.994	0.994	0.994	0.994	0.993	0.993	0.992	0.992	0.991	0.991	0.990	0.989	0.988	0.987	0.986	0.984	0.983
-40	0.995	0.995	0.995	0.995	0.994	0.994	0.994	0.994	0.993	0.993	0.992	0.992	0.991	0.990	0.989	0.988	0.987	0.986	0.985	0.983

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8a: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

	Beneficiary Age Difference	Attained Age at Retirement																				
		45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
Beneficiary older than Retiree	-41	0.995	0.995	0.995	0.995	0.995	0.995	0.994	0.994	0.994	0.993	0.993	0.992	0.991	0.991	0.990	0.989	0.988	0.987	0.985	0.984	
	-42	0.996	0.995	0.995	0.995	0.995	0.995	0.995	0.994	0.994	0.994	0.993	0.992	0.992	0.991	0.990	0.989	0.988	0.987	0.985	0.984	
	-43	0.996	0.996	0.996	0.996	0.995	0.995	0.995	0.995	0.994	0.994	0.993	0.993	0.992	0.991	0.991	0.990	0.988	0.987	0.986	0.984	
	-44	0.996	0.996	0.996	0.996	0.996	0.995	0.995	0.995	0.994	0.994	0.994	0.993	0.992	0.992	0.991	0.990	0.989	0.987	0.986	0.984	
	-45	0.996	0.996	0.996	0.996	0.996	0.996	0.995	0.995	0.995	0.994	0.994	0.993	0.993	0.992	0.991	0.990	0.989	0.988	0.986	0.985	
	-46	0.997	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.995	0.995	0.995	0.994	0.993	0.993	0.992	0.991	0.990	0.989	0.988	0.987	0.985
	-47	0.997	0.997	0.997	0.996	0.996	0.996	0.996	0.995	0.995	0.995	0.994	0.994	0.993	0.992	0.991	0.991	0.989	0.988	0.987		
	-48	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.996	0.995	0.995	0.994	0.994	0.993	0.992	0.992	0.991	0.990	0.988			
	-49	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.995	0.995	0.995	0.994	0.993	0.993	0.992	0.991	0.990				
	-50	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.996	0.995	0.995	0.994	0.993	0.993	0.992	0.991					
-51	0.997	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.995	0.995	0.994	0.994	0.993	0.992							
-52	0.997	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.995	0.995	0.994	0.994	0.993								
-53	0.998	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.995	0.995	0.994	0.994									
-54	0.998	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.995	0.995											
-55	0.998	0.998	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.995											
-56	0.998	0.998	0.998	0.997	0.997	0.997	0.997	0.996	0.996	0.996												
-57	0.998	0.998	0.998	0.997	0.997	0.997	0.997	0.996	0.996													
-58	0.998	0.998	0.998	0.997	0.997	0.997	0.997	0.997														
-59	0.998	0.998	0.998	0.998	0.997	0.997	0.997															
-60	0.998	0.998	0.998	0.998	0.997	0.997																
Beneficiary older than Retiree	-61	0.998	0.998	0.998	0.998	0.997																
	-62	0.998	0.998	0.998	0.998																	
	-63	0.998	0.998	0.998																		
	-64	0.998	0.998																			
	-65	0.998																				

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8a: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

Beneficiary Age Difference	Attained Age at Retirement											
	65	66	67	68	69	70	71	72	73	74	75	
Beneficiary younger than Retiree												0.494
										0.512	0.494	
									0.531	0.513	0.495	
								0.549	0.531	0.513	0.495	
							0.566	0.549	0.531	0.513	0.495	
						0.584	0.567	0.549	0.532	0.514	0.496	
					0.601	0.584	0.567	0.550	0.532	0.514	0.496	
			0.617	0.601	0.584	0.567	0.550	0.532	0.514	0.496		
			0.634	0.618	0.601	0.585	0.568	0.550	0.533	0.515	0.497	
		0.649	0.634	0.618	0.602	0.585	0.568	0.551	0.533	0.515	0.497	
	0.665	0.650	0.634	0.618	0.602	0.586	0.569	0.551	0.534	0.516	0.498	
	0.665	0.650	0.635	0.619	0.603	0.586	0.569	0.552	0.534	0.516	0.498	
	0.666	0.651	0.635	0.619	0.603	0.586	0.570	0.552	0.535	0.517	0.499	
	0.666	0.651	0.636	0.620	0.604	0.587	0.570	0.553	0.535	0.517	0.499	
	0.667	0.651	0.636	0.620	0.604	0.588	0.571	0.553	0.536	0.518	0.500	
	0.667	0.652	0.637	0.621	0.605	0.588	0.571	0.554	0.536	0.519	0.501	
	0.668	0.652	0.637	0.621	0.605	0.589	0.572	0.555	0.537	0.519	0.501	
	0.668	0.653	0.638	0.622	0.606	0.589	0.572	0.555	0.538	0.520	0.502	
	0.669	0.654	0.638	0.623	0.606	0.590	0.573	0.556	0.538	0.521	0.503	
	0.669	0.654	0.639	0.623	0.607	0.591	0.574	0.557	0.539	0.521	0.503	
	0.670	0.655	0.639	0.624	0.608	0.591	0.575	0.557	0.540	0.522	0.504	
	0.670	0.655	0.640	0.625	0.609	0.592	0.575	0.558	0.541	0.523	0.505	
	0.671	0.656	0.641	0.625	0.609	0.593	0.576	0.559	0.542	0.524	0.506	
	0.672	0.657	0.642	0.626	0.610	0.594	0.577	0.560	0.543	0.525	0.507	
	0.673	0.658	0.643	0.627	0.611	0.595	0.578	0.561	0.544	0.526	0.508	
	0.673	0.659	0.643	0.628	0.612	0.596	0.579	0.562	0.545	0.527	0.509	
	0.674	0.659	0.644	0.629	0.613	0.597	0.580	0.563	0.546	0.528	0.510	
	0.675	0.660	0.645	0.630	0.614	0.598	0.581	0.564	0.547	0.530	0.512	
	0.676	0.661	0.646	0.631	0.615	0.599	0.582	0.566	0.548	0.531	0.513	
	0.677	0.662	0.647	0.632	0.616	0.600	0.584	0.567	0.550	0.532	0.515	
	0.678	0.664	0.649	0.633	0.618	0.601	0.585	0.568	0.551	0.534	0.516	
	0.679	0.665	0.650	0.635	0.619	0.603	0.586	0.570	0.553	0.535	0.518	
	0.681	0.666	0.651	0.636	0.620	0.604	0.588	0.571	0.554	0.537	0.519	
	0.682	0.667	0.653	0.637	0.622	0.606	0.590	0.573	0.556	0.539	0.521	
	0.683	0.669	0.654	0.639	0.623	0.608	0.591	0.575	0.558	0.541	0.523	
Beneficiary younger than Retiree	0.685	0.670	0.656	0.641	0.625	0.609	0.593	0.577	0.560	0.543	0.525	
	0.686	0.672	0.657	0.642	0.627	0.611	0.595	0.579	0.562	0.545	0.527	
	0.688	0.674	0.659	0.644	0.629	0.613	0.597	0.581	0.564	0.547	0.530	
	0.690	0.675	0.661	0.646	0.631	0.615	0.599	0.583	0.566	0.549	0.532	
	0.691	0.677	0.663	0.648	0.633	0.617	0.602	0.585	0.569	0.552	0.535	

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8a: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

	Beneficiary Age Difference	Attained Age at Retirement										
		65	66	67	68	69	70	71	72	73	74	75
Beneficiary younger than Retiree	35	0.693	0.679	0.665	0.650	0.635	0.620	0.604	0.588	0.571	0.554	0.537
	34	0.695	0.681	0.667	0.653	0.638	0.622	0.606	0.590	0.574	0.557	0.540
	33	0.698	0.684	0.670	0.655	0.640	0.625	0.609	0.593	0.577	0.560	0.543
	32	0.700	0.686	0.672	0.658	0.643	0.628	0.612	0.596	0.580	0.563	0.547
	31	0.702	0.689	0.675	0.660	0.646	0.631	0.615	0.599	0.583	0.567	0.550
	30	0.705	0.691	0.677	0.663	0.649	0.634	0.618	0.603	0.587	0.570	0.554
	29	0.708	0.694	0.680	0.666	0.652	0.637	0.622	0.606	0.590	0.574	0.558
	28	0.710	0.697	0.683	0.669	0.655	0.640	0.625	0.610	0.594	0.578	0.562
	27	0.713	0.700	0.687	0.673	0.659	0.644	0.629	0.614	0.598	0.582	0.566
	26	0.716	0.703	0.690	0.676	0.662	0.648	0.633	0.618	0.603	0.587	0.571
	25	0.720	0.707	0.694	0.680	0.666	0.652	0.637	0.622	0.607	0.591	0.576
	24	0.723	0.710	0.697	0.684	0.670	0.656	0.642	0.627	0.612	0.596	0.581
	23	0.727	0.714	0.701	0.688	0.675	0.661	0.646	0.632	0.617	0.602	0.586
	22	0.731	0.718	0.705	0.692	0.679	0.665	0.651	0.637	0.622	0.607	0.592
	21	0.735	0.722	0.710	0.697	0.684	0.670	0.656	0.642	0.628	0.613	0.597
	20	0.739	0.727	0.714	0.702	0.689	0.675	0.662	0.648	0.633	0.619	0.604
	19	0.743	0.731	0.719	0.707	0.694	0.681	0.667	0.653	0.639	0.625	0.610
	18	0.748	0.736	0.724	0.712	0.699	0.686	0.673	0.660	0.646	0.631	0.617
	17	0.752	0.741	0.729	0.717	0.705	0.692	0.679	0.666	0.652	0.638	0.624
	16	0.757	0.746	0.735	0.723	0.711	0.698	0.686	0.672	0.659	0.645	0.631
15	0.762	0.751	0.740	0.729	0.717	0.705	0.692	0.679	0.666	0.653	0.639	
14	0.768	0.757	0.746	0.735	0.723	0.711	0.699	0.686	0.674	0.660	0.647	
13	0.773	0.763	0.752	0.741	0.730	0.718	0.706	0.694	0.681	0.668	0.655	
12	0.779	0.769	0.758	0.747	0.736	0.725	0.713	0.701	0.689	0.677	0.664	
11	0.785	0.775	0.764	0.754	0.743	0.732	0.721	0.709	0.697	0.685	0.672	
10	0.791	0.781	0.771	0.761	0.750	0.740	0.729	0.717	0.706	0.694	0.682	
9	0.797	0.787	0.778	0.768	0.758	0.747	0.737	0.726	0.714	0.703	0.691	
8	0.803	0.794	0.784	0.775	0.765	0.755	0.745	0.734	0.723	0.712	0.700	
7	0.809	0.800	0.791	0.782	0.773	0.763	0.753	0.743	0.732	0.721	0.710	
6	0.816	0.807	0.798	0.789	0.780	0.771	0.761	0.751	0.741	0.731	0.720	
Beneficiary younger than Retiree	5	0.822	0.814	0.805	0.797	0.788	0.779	0.770	0.760	0.750	0.740	0.730
	4	0.828	0.821	0.813	0.804	0.796	0.787	0.778	0.769	0.760	0.750	0.740
	3	0.835	0.827	0.820	0.812	0.804	0.795	0.787	0.778	0.769	0.760	0.751
	2	0.841	0.834	0.827	0.819	0.812	0.804	0.796	0.787	0.779	0.770	0.761
	1	0.848	0.841	0.834	0.827	0.820	0.812	0.804	0.796	0.788	0.780	0.771
Beneficiary same age as Retiree	0	0.854	0.848	0.841	0.834	0.827	0.820	0.813	0.805	0.798	0.790	0.782

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8a: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

Beneficiary Age Difference	Attained Age at Retirement										
	65	66	67	68	69	70	71	72	73	74	75
Beneficiary older than Retiree -1	0.861	0.854	0.848	0.842	0.835	0.828	0.821	0.814	0.807	0.800	0.792
-2	0.867	0.861	0.855	0.849	0.843	0.836	0.830	0.823	0.816	0.809	0.802
-3	0.873	0.868	0.862	0.856	0.850	0.844	0.838	0.832	0.825	0.819	0.812
-4	0.879	0.874	0.869	0.863	0.858	0.852	0.846	0.840	0.834	0.828	0.821
-5	0.885	0.880	0.875	0.870	0.865	0.860	0.854	0.849	0.843	0.837	0.831
-6	0.891	0.886	0.882	0.877	0.872	0.867	0.862	0.857	0.851	0.846	0.840
-7	0.897	0.892	0.888	0.884	0.879	0.874	0.870	0.865	0.860	0.854	0.849
-8	0.902	0.898	0.894	0.890	0.886	0.881	0.877	0.872	0.868	0.863	0.857
-9	0.908	0.904	0.900	0.896	0.892	0.888	0.884	0.880	0.875	0.870	0.866
-10	0.913	0.909	0.906	0.902	0.898	0.894	0.891	0.887	0.882	0.878	0.873
-11	0.918	0.914	0.911	0.908	0.904	0.901	0.897	0.893	0.889	0.885	0.881
-12	0.922	0.919	0.916	0.913	0.910	0.907	0.903	0.900	0.896	0.892	0.888
-13	0.927	0.924	0.921	0.918	0.915	0.912	0.909	0.906	0.902	0.898	0.894
-14	0.931	0.929	0.926	0.923	0.920	0.917	0.914	0.911	0.908	0.904	0.900
-15	0.935	0.933	0.930	0.928	0.925	0.922	0.920	0.916	0.913	0.909	0.905
-16	0.939	0.937	0.935	0.932	0.930	0.927	0.924	0.921	0.918	0.914	0.910
-17	0.943	0.941	0.939	0.936	0.934	0.932	0.929	0.926	0.923	0.919	0.915
-18	0.947	0.945	0.942	0.940	0.938	0.936	0.933	0.930	0.927	0.923	0.919
-19	0.950	0.948	0.946	0.944	0.942	0.939	0.937	0.934	0.931	0.927	0.923
-20	0.953	0.951	0.949	0.947	0.945	0.943	0.940	0.937	0.934	0.931	0.927
-21	0.956	0.954	0.952	0.950	0.948	0.946	0.943	0.941	0.938	0.934	0.930
-22	0.959	0.957	0.955	0.953	0.951	0.949	0.946	0.944	0.941	0.937	0.933
-23	0.961	0.959	0.958	0.956	0.954	0.952	0.949	0.946	0.943	0.940	0.936
-24	0.964	0.962	0.960	0.958	0.956	0.954	0.951	0.949	0.945	0.942	0.938
-25	0.966	0.964	0.962	0.960	0.958	0.956	0.954	0.951	0.948	0.944	0.940
-26	0.968	0.966	0.964	0.962	0.960	0.958	0.956	0.953	0.949	0.946	0.942
-27	0.969	0.968	0.966	0.964	0.962	0.960	0.957	0.954	0.951	0.948	0.944
-28	0.971	0.969	0.968	0.966	0.964	0.961	0.959	0.956	0.953	0.949	0.945
-29	0.973	0.971	0.969	0.967	0.965	0.963	0.960	0.957	0.954	0.950	0.946
-30	0.974	0.972	0.970	0.969	0.966	0.964	0.962	0.959	0.955	0.952	0.947
-31	0.975	0.973	0.972	0.970	0.968	0.965	0.963	0.960	0.956	0.953	0.948
-32	0.976	0.974	0.973	0.971	0.969	0.966	0.964	0.961	0.957	0.954	0.949
-33	0.977	0.975	0.974	0.972	0.970	0.967	0.964	0.961	0.958	0.954	0.950
-34	0.978	0.976	0.974	0.973	0.970	0.968	0.965	0.962	0.959	0.955	0.951
-35	0.979	0.977	0.975	0.973	0.971	0.969	0.966	0.963	0.960	0.956	0.952
Beneficiary older than Retiree -36	0.979	0.978	0.976	0.974	0.972	0.969	0.967	0.964	0.960	0.957	
-37	0.980	0.978	0.976	0.974	0.972	0.970	0.967	0.964	0.961		
-38	0.981	0.979	0.977	0.975	0.973	0.970	0.968	0.965			
-39	0.981	0.979	0.977	0.975	0.973	0.971	0.968				
-40	0.981	0.980	0.978	0.976	0.974	0.971					

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8a: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

	Beneficiary Age Difference	Attained Age at Retirement										
		65	66	67	68	69	70	71	72	73	74	75
Beneficiary	-41	0.982	0.980	0.978	0.976	0.974						
older	-42	0.982	0.980	0.979	0.977							
than	-43	0.983	0.981	0.979								
Retiree	-44	0.983	0.981									
	-45	0.983										
	-46											
	-47											
	-48											
	-49											
	-50											
	-51											
	-52											
	-53											
	-54											
	-55											
	-56											
	-57											
	-58											
	-59											
	-60											
Beneficiary	-61											
older	-62											
than	-63											
Retiree	-64											
	-65											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8b: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Beneficiary younger than Retiree	70																				
	69																				
	68																				
	67																				
	66																				
	65																				
	64																				
	63																				
	62																				
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	46																				
	45																				
	44																				
	43																				
	42																				
	41																				
	40																				
	39																				0.700
	38																			0.702	0.701
	37																		0.704	0.702	0.701
	36																0.705	0.704	0.703	0.701	
Beneficiary younger than Retiree	35															0.706	0.705	0.704	0.703	0.702	
	34														0.707	0.707	0.706	0.705	0.704	0.702	
	33													0.709	0.708	0.707	0.706	0.705	0.704	0.703	
	32												0.710	0.709	0.708	0.707	0.707	0.706	0.705	0.705	0.703
	31										0.711	0.710	0.709	0.709	0.708	0.707	0.707	0.706	0.705	0.704	

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8b: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
Beneficiary younger than Retiree	30											0.711	0.711	0.710	0.710	0.709	0.708	0.707	0.707	0.706	0.704	
	29										0.712	0.712	0.711	0.711	0.710	0.710	0.709	0.708	0.707	0.706	0.705	
	28									0.713	0.713	0.712	0.712	0.711	0.711	0.710	0.709	0.709	0.708	0.707	0.706	
	27									0.714	0.714	0.713	0.713	0.712	0.712	0.711	0.711	0.710	0.709	0.708	0.707	0.706
	26							0.714	0.714	0.714	0.713	0.713	0.713	0.712	0.712	0.711	0.711	0.710	0.710	0.709	0.708	0.707
	25						0.715	0.715	0.715	0.714	0.714	0.714	0.714	0.713	0.713	0.712	0.712	0.711	0.710	0.710	0.709	0.708
	24					0.715	0.715	0.715	0.715	0.715	0.715	0.714	0.714	0.714	0.713	0.713	0.712	0.712	0.711	0.710	0.710	0.709
	23				0.716	0.716	0.716	0.715	0.715	0.715	0.715	0.714	0.714	0.714	0.713	0.713	0.712	0.712	0.711	0.710	0.710	0.709
	22			0.716	0.716	0.716	0.716	0.716	0.716	0.716	0.716	0.715	0.715	0.715	0.714	0.714	0.714	0.713	0.713	0.712	0.711	0.710
	21		0.717	0.717	0.717	0.717	0.717	0.716	0.716	0.716	0.716	0.716	0.715	0.715	0.715	0.714	0.714	0.713	0.713	0.712	0.711	0.710
20	0.717	0.717	0.717	0.717	0.717	0.717	0.717	0.717	0.717	0.716	0.716	0.716	0.716	0.715	0.715	0.715	0.714	0.714	0.713	0.713	0.712	
19	0.718	0.718	0.718	0.718	0.717	0.717	0.717	0.717	0.717	0.717	0.717	0.717	0.716	0.716	0.716	0.715	0.715	0.715	0.714	0.714	0.713	
18	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.717	0.717	0.717	0.717	0.716	0.716	0.716	0.715	0.715	0.714	
17	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.718	0.717	0.717	0.717	0.717	0.716	0.716	0.716	
16	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.719	0.718	0.718	0.718	0.718	0.717	0.717	0.717	
15	0.719	0.719	0.719	0.719	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.719	0.719	0.719	0.719	0.719	0.719	0.718	0.718	
14	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.720	0.719	
13	0.720	0.720	0.720	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721	0.721	
12	0.721	0.721	0.721	0.721	0.721	0.722	0.722	0.722	0.722	0.722	0.722	0.722	0.722	0.722	0.722	0.723	0.723	0.723	0.723	0.722	0.722	
11	0.721	0.721	0.722	0.722	0.722	0.722	0.722	0.723	0.723	0.723	0.723	0.723	0.723	0.723	0.724	0.724	0.724	0.724	0.724	0.724	0.724	
10	0.722	0.722	0.722	0.722	0.723	0.723	0.723	0.723	0.724	0.724	0.724	0.724	0.724	0.725	0.725	0.725	0.725	0.725	0.725	0.725	0.725	
9	0.722	0.723	0.723	0.723	0.723	0.724	0.724	0.724	0.725	0.725	0.725	0.725	0.726	0.726	0.726	0.726	0.726	0.727	0.727	0.727	0.727	
8	0.723	0.723	0.724	0.724	0.724	0.725	0.725	0.725	0.726	0.726	0.726	0.727	0.727	0.727	0.728	0.728	0.728	0.728	0.728	0.729	0.729	
7	0.724	0.724	0.724	0.725	0.725	0.725	0.726	0.726	0.727	0.727	0.727	0.728	0.728	0.728	0.729	0.729	0.729	0.729	0.730	0.730	0.731	
6	0.724	0.725	0.725	0.725	0.726	0.726	0.727	0.727	0.728	0.728	0.728	0.729	0.729	0.730	0.730	0.731	0.731	0.731	0.732	0.732	0.733	
5	0.725	0.725	0.726	0.726	0.727	0.727	0.728	0.728	0.729	0.729	0.730	0.730	0.731	0.731	0.732	0.732	0.733	0.733	0.734	0.734	0.735	
4	0.726	0.726	0.727	0.727	0.728	0.728	0.729	0.729	0.730	0.730	0.731	0.732	0.732	0.733	0.733	0.734	0.735	0.735	0.736	0.736	0.737	
3	0.727	0.727	0.728	0.728	0.729	0.729	0.730	0.730	0.731	0.732	0.732	0.733	0.733	0.734	0.734	0.735	0.736	0.737	0.737	0.738	0.739	
2	0.727	0.728	0.728	0.729	0.730	0.730	0.731	0.732	0.732	0.733	0.734	0.734	0.735	0.736	0.737	0.738	0.738	0.739	0.740	0.740	0.741	
1	0.728	0.729	0.729	0.730	0.731	0.731	0.732	0.733	0.734	0.734	0.735	0.736	0.737	0.738	0.739	0.739	0.740	0.741	0.742	0.742	0.743	
Beneficiary same age as Retiree	0	0.729	0.730	0.730	0.731	0.732	0.733	0.733	0.734	0.735	0.736	0.737	0.738	0.738	0.739	0.740	0.741	0.742	0.743	0.745	0.746	

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8b: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																				
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
Beneficiary older than Retiree	-1	0.730	0.731	0.731	0.732	0.733	0.734	0.735	0.735	0.736	0.737	0.738	0.739	0.740	0.741	0.742	0.743	0.745	0.746	0.747	0.748	
	-2	0.731	0.732	0.732	0.733	0.734	0.735	0.736	0.737	0.738	0.739	0.740	0.741	0.743	0.744	0.745	0.746	0.748	0.749	0.750	0.752	0.753
	-3	0.732	0.733	0.734	0.734	0.735	0.736	0.737	0.738	0.739	0.740	0.741	0.743	0.744	0.745	0.746	0.748	0.750	0.751	0.753	0.754	0.756
	-4	0.733	0.734	0.735	0.736	0.737	0.738	0.739	0.740	0.741	0.742	0.743	0.744	0.746	0.747	0.748	0.750	0.751	0.753	0.754	0.756	0.759
	-5	0.734	0.735	0.736	0.737	0.738	0.739	0.740	0.741	0.742	0.744	0.745	0.746	0.748	0.749	0.750	0.752	0.754	0.755	0.757	0.759	0.761
-6	0.735	0.736	0.737	0.738	0.739	0.740	0.742	0.743	0.744	0.745	0.747	0.748	0.750	0.751	0.753	0.754	0.756	0.758	0.759	0.761	0.764	
-7	0.736	0.737	0.738	0.740	0.741	0.742	0.743	0.745	0.746	0.748	0.749	0.751	0.752	0.754	0.755	0.757	0.759	0.761	0.763	0.765	0.767	
-8	0.738	0.739	0.740	0.741	0.742	0.743	0.745	0.746	0.748	0.749	0.751	0.752	0.754	0.755	0.757	0.759	0.761	0.763	0.765	0.767	0.770	
-9	0.739	0.740	0.741	0.742	0.744	0.745	0.746	0.748	0.749	0.751	0.753	0.754	0.756	0.758	0.760	0.762	0.764	0.766	0.768	0.770	0.773	
-10	0.740	0.741	0.743	0.744	0.745	0.747	0.748	0.750	0.751	0.753	0.755	0.756	0.758	0.760	0.762	0.764	0.766	0.768	0.771	0.773	0.776	
-11	0.741	0.743	0.744	0.745	0.747	0.748	0.750	0.751	0.753	0.755	0.757	0.759	0.761	0.763	0.765	0.767	0.769	0.771	0.774	0.777	0.779	
-12	0.743	0.744	0.746	0.747	0.748	0.750	0.752	0.753	0.755	0.757	0.759	0.761	0.763	0.765	0.767	0.770	0.772	0.775	0.777	0.780	0.782	
-13	0.744	0.746	0.747	0.749	0.750	0.752	0.754	0.755	0.757	0.759	0.761	0.763	0.765	0.767	0.770	0.772	0.775	0.778	0.780	0.783	0.786	
-14	0.746	0.747	0.749	0.750	0.752	0.754	0.756	0.757	0.759	0.761	0.763	0.766	0.768	0.770	0.772	0.775	0.778	0.780	0.783	0.786	0.789	
-15	0.747	0.749	0.750	0.752	0.754	0.756	0.758	0.759	0.761	0.764	0.766	0.768	0.770	0.773	0.775	0.778	0.780	0.783	0.786	0.789	0.792	
-16	0.749	0.751	0.752	0.754	0.756	0.758	0.760	0.762	0.764	0.766	0.768	0.771	0.773	0.775	0.778	0.781	0.784	0.786	0.789	0.792	0.796	
-17	0.751	0.752	0.754	0.756	0.758	0.760	0.762	0.764	0.766	0.768	0.771	0.773	0.776	0.778	0.781	0.784	0.787	0.790	0.793	0.796	0.799	
-18	0.752	0.754	0.756	0.758	0.760	0.762	0.764	0.766	0.768	0.771	0.773	0.776	0.778	0.781	0.784	0.787	0.790	0.793	0.796	0.799	0.803	
-19	0.754	0.756	0.758	0.760	0.762	0.764	0.766	0.769	0.771	0.773	0.776	0.779	0.781	0.784	0.787	0.790	0.793	0.796	0.799	0.803	0.806	
-20	0.756	0.758	0.760	0.762	0.764	0.766	0.769	0.771	0.773	0.776	0.779	0.781	0.784	0.787	0.790	0.793	0.796	0.800	0.803	0.806	0.810	
-21	0.758	0.760	0.762	0.764	0.766	0.769	0.771	0.773	0.776	0.779	0.781	0.784	0.787	0.790	0.793	0.796	0.800	0.803	0.806	0.810	0.814	
-22	0.760	0.762	0.764	0.766	0.769	0.771	0.774	0.776	0.779	0.781	0.784	0.787	0.790	0.793	0.797	0.800	0.803	0.807	0.810	0.814	0.818	
-23	0.762	0.764	0.766	0.769	0.771	0.774	0.776	0.779	0.782	0.784	0.787	0.790	0.793	0.797	0.800	0.803	0.807	0.810	0.814	0.818	0.821	
-24	0.764	0.766	0.769	0.771	0.774	0.776	0.779	0.782	0.784	0.787	0.790	0.793	0.797	0.800	0.803	0.807	0.810	0.814	0.818	0.821	0.825	
-25	0.766	0.769	0.771	0.774	0.776	0.779	0.782	0.784	0.787	0.790	0.793	0.797	0.800	0.803	0.807	0.810	0.814	0.818	0.821	0.825	0.829	
-26	0.769	0.771	0.774	0.776	0.779	0.782	0.784	0.787	0.790	0.793	0.797	0.800	0.803	0.807	0.810	0.814	0.818	0.821	0.825	0.829	0.833	
-27	0.771	0.774	0.776	0.779	0.782	0.784	0.787	0.790	0.794	0.797	0.800	0.803	0.807	0.810	0.814	0.818	0.822	0.825	0.829	0.833	0.837	
-28	0.774	0.776	0.779	0.782	0.784	0.787	0.790	0.794	0.797	0.800	0.803	0.807	0.810	0.814	0.818	0.822	0.825	0.829	0.833	0.837	0.842	
-29	0.776	0.779	0.782	0.784	0.787	0.790	0.794	0.797	0.800	0.803	0.807	0.810	0.814	0.818	0.822	0.825	0.829	0.833	0.837	0.842	0.846	
-30	0.779	0.782	0.784	0.787	0.790	0.794	0.797	0.800	0.803	0.807	0.810	0.814	0.818	0.822	0.825	0.829	0.833	0.837	0.842	0.846	0.850	
-31	0.782	0.784	0.787	0.790	0.794	0.797	0.800	0.803	0.807	0.810	0.814	0.818	0.822	0.825	0.829	0.833	0.837	0.842	0.846	0.850	0.854	
-32	0.784	0.787	0.790	0.794	0.797	0.800	0.803	0.807	0.810	0.814	0.818	0.822	0.825	0.829	0.833	0.837	0.842	0.846	0.850	0.854	0.859	
-33	0.787	0.790	0.794	0.797	0.800	0.803	0.807	0.810	0.814	0.818	0.822	0.825	0.829	0.833	0.837	0.842	0.846	0.850	0.854	0.859	0.863	
-34	0.790	0.794	0.797	0.800	0.803	0.807	0.810	0.814	0.818	0.822	0.825	0.829	0.833	0.837	0.842	0.846	0.850	0.854	0.859	0.863	0.868	
-35	0.794	0.797	0.800	0.803	0.807	0.810	0.814	0.818	0.822	0.825	0.829	0.833	0.837	0.842	0.846	0.850	0.854	0.859	0.863	0.868	0.872	
Beneficiary older than Retiree	-36	0.797	0.800	0.803	0.807	0.810	0.814	0.818	0.822	0.825	0.829	0.833	0.837	0.842	0.846	0.850	0.854	0.859	0.863	0.868	0.872	
	-37	0.800	0.803	0.807	0.810	0.814	0.818	0.822	0.825	0.829	0.833	0.837	0.842	0.846	0.850	0.854	0.859	0.863	0.868	0.872	0.877	
	-38	0.803	0.807	0.810	0.814	0.818	0.822	0.825	0.829	0.833	0.837	0.842	0.846	0.850	0.854	0.859	0.863	0.868	0.872	0.877	0.881	
	-39	0.807	0.810	0.814	0.818	0.822	0.825	0.829	0.833	0.837	0.842	0.846	0.850	0.854	0.859	0.863	0.868	0.872	0.877	0.881	0.886	
	-40	0.810	0.814	0.818	0.822	0.825	0.829	0.833	0.837	0.842	0.846	0.850	0.854	0.859	0.863	0.868	0.872	0.877	0.881	0.886	0.890	

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8b: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Beneficiary older than Retiree	-41	0.814	0.818	0.822	0.825	0.829	0.833	0.837	0.842	0.846	0.850	0.854	0.859	0.863	0.868	0.872	0.877	0.881	0.886	0.890	0.895
	-42	0.818	0.822	0.825	0.829	0.833	0.837	0.842	0.846	0.850	0.854	0.859	0.863	0.868	0.872	0.877	0.881	0.886	0.890	0.895	0.899
	-43	0.822	0.825	0.829	0.833	0.837	0.842	0.846	0.850	0.854	0.859	0.863	0.868	0.872	0.877	0.881	0.886	0.890	0.895	0.899	0.903
	-44	0.825	0.829	0.833	0.837	0.842	0.846	0.850	0.854	0.859	0.863	0.868	0.872	0.877	0.881	0.886	0.890	0.895	0.899	0.903	0.908
	-45	0.829	0.833	0.837	0.842	0.846	0.850	0.854	0.859	0.863	0.868	0.872	0.877	0.881	0.886	0.890	0.895	0.899	0.903	0.908	0.912
	-46	0.833	0.837	0.842	0.846	0.850	0.854	0.859	0.863	0.868	0.872	0.877	0.881	0.886	0.890	0.895	0.899	0.903	0.908	0.912	0.916
	-47	0.837	0.842	0.846	0.850	0.854	0.859	0.863	0.868	0.872	0.877	0.881	0.886	0.890	0.895	0.899	0.903	0.908	0.912	0.916	0.920
	-48	0.842	0.846	0.850	0.854	0.859	0.863	0.868	0.872	0.877	0.881	0.886	0.890	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923
	-49	0.846	0.850	0.854	0.859	0.863	0.868	0.872	0.877	0.881	0.886	0.890	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927
	-50	0.850	0.854	0.859	0.863	0.868	0.872	0.877	0.881	0.886	0.890	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930
-51	0.854	0.859	0.863	0.868	0.872	0.877	0.881	0.886	0.890	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	
-52	0.859	0.863	0.868	0.872	0.877	0.881	0.886	0.890	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	
-53	0.863	0.868	0.872	0.877	0.881	0.886	0.890	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	
-54	0.868	0.872	0.877	0.881	0.886	0.890	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	
-55	0.872	0.877	0.881	0.886	0.890	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	
-56	0.877	0.881	0.886	0.890	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	
-57	0.881	0.886	0.890	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	
-58	0.886	0.890	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	
-59	0.890	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	
-60	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	
-61	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	
-62	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	
-63	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	
-64	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	
-65	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	
-66	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	
-67	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	
-68	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	
-69	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	
-70	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	
-71	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962	
-72	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962		
-73	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962			
-74	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962				
-75	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962					
Beneficiary older than Retiree	-76	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962					
-77	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962							
-78	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962								
-79	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962									
-80	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962										

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8b: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Beneficiary	-81	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962										
older	-82	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962											
than	-83	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962												
Retiree	-84	0.959	0.959	0.960	0.961	0.961	0.962	0.962													
	-85	0.959	0.960	0.961	0.961	0.962	0.962														
	-86	0.960	0.961	0.961	0.962	0.962															
	-87	0.961	0.961	0.962	0.962																
	-88	0.961	0.962	0.962																	
	-89	0.962	0.962																		
	-90	0.962																			

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8b: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

Beneficiary Age Difference	Attained Age at Retirement																				
	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
Beneficiary younger than Retiree	70																				
	69																				
	68																				
	67																				
	66																				
	65																				
	64																				
	63																				
	62																				
	61																				
	60																				
	59																			0.614	
	58																		0.622	0.614	
	57																	0.630	0.622	0.614	
	56																0.637	0.630	0.623	0.615	
	55															0.643	0.637	0.630	0.623	0.615	
	54														0.650	0.644	0.638	0.631	0.624	0.616	
	53													0.655	0.650	0.644	0.638	0.631	0.624	0.616	
	52												0.660	0.655	0.650	0.645	0.638	0.632	0.624	0.617	
	51											0.665	0.661	0.656	0.651	0.645	0.639	0.632	0.625	0.617	
	50										0.669	0.665	0.661	0.656	0.651	0.645	0.639	0.633	0.626	0.618	
	49									0.674	0.670	0.666	0.661	0.657	0.652	0.646	0.640	0.633	0.626	0.618	
	48								0.677	0.674	0.670	0.666	0.662	0.657	0.652	0.646	0.640	0.634	0.627	0.619	
	47							0.681	0.678	0.674	0.671	0.667	0.662	0.658	0.653	0.647	0.641	0.634	0.627	0.619	
	46						0.684	0.681	0.678	0.675	0.671	0.667	0.663	0.658	0.653	0.648	0.642	0.635	0.628	0.620	
	45					0.687	0.684	0.681	0.678	0.675	0.671	0.668	0.663	0.659	0.654	0.648	0.642	0.636	0.629	0.621	
	44				0.690	0.687	0.685	0.682	0.679	0.676	0.672	0.668	0.664	0.659	0.654	0.649	0.643	0.636	0.629	0.622	
	43			0.692	0.690	0.688	0.685	0.682	0.679	0.676	0.672	0.669	0.664	0.660	0.655	0.649	0.644	0.637	0.630	0.622	
	42		0.694	0.692	0.690	0.688	0.685	0.683	0.680	0.677	0.673	0.669	0.665	0.660	0.656	0.650	0.644	0.638	0.631	0.623	
	41	0.697	0.695	0.693	0.691	0.688	0.686	0.683	0.680	0.677	0.674	0.670	0.666	0.661	0.656	0.651	0.645	0.639	0.632	0.624	
	40	0.698	0.697	0.695	0.693	0.691	0.689	0.686	0.684	0.681	0.678	0.674	0.670	0.666	0.662	0.657	0.652	0.646	0.640	0.633	0.625
	39	0.699	0.697	0.696	0.694	0.692	0.689	0.687	0.684	0.681	0.678	0.675	0.671	0.667	0.663	0.658	0.652	0.647	0.640	0.634	0.626
	38	0.699	0.698	0.696	0.694	0.692	0.690	0.688	0.685	0.682	0.679	0.676	0.672	0.668	0.663	0.659	0.653	0.648	0.641	0.635	0.627
	37	0.700	0.698	0.696	0.695	0.693	0.690	0.688	0.685	0.683	0.680	0.676	0.673	0.669	0.664	0.659	0.654	0.649	0.642	0.636	0.628
	36	0.700	0.699	0.697	0.695	0.693	0.691	0.689	0.686	0.683	0.680	0.677	0.673	0.669	0.665	0.660	0.655	0.650	0.643	0.637	0.630
Beneficiary younger than Retiree	35	0.701	0.699	0.697	0.696	0.694	0.692	0.689	0.687	0.684	0.681	0.678	0.674	0.670	0.666	0.661	0.656	0.651	0.645	0.638	0.631
	34	0.701	0.700	0.698	0.696	0.694	0.692	0.690	0.688	0.685	0.682	0.679	0.675	0.671	0.667	0.662	0.657	0.652	0.646	0.639	0.632
	33	0.702	0.700	0.699	0.697	0.695	0.693	0.691	0.688	0.686	0.683	0.680	0.676	0.672	0.668	0.664	0.659	0.653	0.647	0.641	0.634
	32	0.702	0.701	0.699	0.698	0.696	0.694	0.691	0.689	0.686	0.684	0.680	0.677	0.673	0.669	0.665	0.660	0.654	0.649	0.642	0.635
	31	0.703	0.701	0.700	0.698	0.696	0.694	0.692	0.690	0.687	0.685	0.681	0.678	0.674	0.670	0.666	0.661	0.656	0.650	0.644	0.637

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8b: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
Beneficiary younger than Retiree	30	0.703	0.702	0.701	0.699	0.697	0.695	0.693	0.691	0.688	0.686	0.683	0.679	0.676	0.672	0.667	0.662	0.657	0.652	0.645	0.638
	29	0.704	0.703	0.701	0.700	0.698	0.696	0.694	0.692	0.689	0.687	0.684	0.680	0.677	0.673	0.669	0.664	0.659	0.653	0.647	0.640
Beneficiary younger than Retiree	28	0.705	0.703	0.702	0.700	0.699	0.697	0.695	0.693	0.690	0.688	0.685	0.682	0.678	0.674	0.670	0.665	0.660	0.655	0.649	0.642
	27	0.705	0.704	0.703	0.701	0.700	0.698	0.696	0.694	0.692	0.689	0.686	0.683	0.680	0.676	0.672	0.667	0.662	0.657	0.651	0.644
Beneficiary younger than Retiree	26	0.706	0.705	0.704	0.702	0.701	0.699	0.697	0.695	0.693	0.690	0.687	0.684	0.681	0.677	0.673	0.669	0.664	0.659	0.653	0.646
	25	0.707	0.706	0.705	0.703	0.702	0.700	0.698	0.696	0.694	0.691	0.689	0.686	0.683	0.679	0.675	0.671	0.666	0.661	0.655	0.648
Beneficiary younger than Retiree	24	0.708	0.707	0.705	0.704	0.703	0.701	0.699	0.697	0.695	0.693	0.690	0.687	0.684	0.681	0.677	0.673	0.668	0.663	0.657	0.651
	23	0.709	0.708	0.706	0.705	0.704	0.702	0.701	0.699	0.697	0.694	0.692	0.689	0.686	0.683	0.679	0.675	0.670	0.665	0.659	0.653
Beneficiary younger than Retiree	22	0.710	0.709	0.708	0.706	0.705	0.704	0.702	0.700	0.698	0.696	0.693	0.691	0.688	0.684	0.681	0.677	0.672	0.667	0.662	0.656
	21	0.711	0.710	0.709	0.708	0.706	0.705	0.703	0.702	0.700	0.698	0.695	0.693	0.690	0.687	0.683	0.679	0.675	0.670	0.665	0.659
Beneficiary younger than Retiree	20	0.712	0.711	0.710	0.709	0.708	0.706	0.705	0.703	0.701	0.699	0.697	0.695	0.692	0.689	0.685	0.681	0.677	0.673	0.667	0.662
	19	0.713	0.712	0.711	0.710	0.709	0.708	0.706	0.705	0.703	0.701	0.699	0.697	0.694	0.691	0.688	0.684	0.680	0.675	0.670	0.665
Beneficiary younger than Retiree	18	0.714	0.713	0.712	0.711	0.710	0.709	0.708	0.706	0.705	0.703	0.701	0.699	0.696	0.693	0.690	0.687	0.683	0.678	0.673	0.668
	17	0.715	0.714	0.714	0.713	0.712	0.711	0.710	0.708	0.707	0.705	0.703	0.701	0.699	0.696	0.693	0.689	0.686	0.681	0.677	0.672
Beneficiary younger than Retiree	16	0.716	0.716	0.715	0.714	0.714	0.713	0.711	0.710	0.709	0.707	0.705	0.703	0.701	0.698	0.696	0.692	0.689	0.685	0.680	0.675
	15	0.718	0.717	0.717	0.716	0.715	0.714	0.713	0.712	0.711	0.709	0.708	0.706	0.704	0.701	0.698	0.695	0.692	0.688	0.684	0.679
Beneficiary younger than Retiree	14	0.719	0.719	0.718	0.718	0.717	0.716	0.715	0.714	0.713	0.712	0.710	0.708	0.706	0.704	0.702	0.699	0.695	0.692	0.688	0.683
	13	0.721	0.720	0.720	0.719	0.719	0.718	0.717	0.716	0.715	0.714	0.713	0.711	0.709	0.707	0.705	0.702	0.699	0.695	0.691	0.687
Beneficiary younger than Retiree	12	0.722	0.722	0.722	0.721	0.721	0.720	0.719	0.719	0.718	0.717	0.715	0.714	0.712	0.710	0.708	0.706	0.703	0.699	0.696	0.691
	11	0.724	0.724	0.723	0.723	0.723	0.722	0.722	0.721	0.720	0.719	0.718	0.717	0.715	0.714	0.712	0.709	0.707	0.703	0.700	0.696
Beneficiary younger than Retiree	10	0.725	0.725	0.725	0.725	0.725	0.725	0.724	0.724	0.723	0.722	0.721	0.720	0.719	0.717	0.715	0.713	0.711	0.708	0.704	0.701
	9	0.727	0.727	0.727	0.727	0.727	0.727	0.727	0.726	0.726	0.725	0.724	0.723	0.722	0.721	0.719	0.717	0.715	0.712	0.709	0.705
Beneficiary younger than Retiree	8	0.729	0.729	0.729	0.729	0.729	0.729	0.729	0.729	0.728	0.727	0.727	0.726	0.726	0.724	0.723	0.721	0.719	0.717	0.714	0.711
	7	0.731	0.731	0.731	0.732	0.732	0.732	0.732	0.732	0.731	0.731	0.731	0.730	0.729	0.728	0.727	0.725	0.724	0.721	0.719	0.716
Beneficiary younger than Retiree	6	0.733	0.733	0.734	0.734	0.734	0.734	0.735	0.735	0.735	0.734	0.734	0.734	0.733	0.732	0.731	0.730	0.728	0.726	0.724	0.721
	5	0.735	0.736	0.736	0.736	0.737	0.737	0.737	0.738	0.738	0.738	0.738	0.737	0.737	0.736	0.736	0.735	0.733	0.732	0.729	0.727
Beneficiary younger than Retiree	4	0.737	0.738	0.738	0.739	0.740	0.740	0.740	0.741	0.741	0.741	0.741	0.741	0.741	0.741	0.740	0.739	0.738	0.737	0.735	0.733
	3	0.740	0.740	0.741	0.742	0.742	0.743	0.744	0.744	0.745	0.745	0.745	0.745	0.745	0.745	0.745	0.744	0.743	0.742	0.741	0.739
Beneficiary younger than Retiree	2	0.742	0.743	0.744	0.744	0.745	0.746	0.747	0.747	0.748	0.749	0.749	0.749	0.750	0.750	0.750	0.749	0.749	0.748	0.747	0.745
	1	0.744	0.745	0.746	0.747	0.748	0.749	0.750	0.751	0.752	0.752	0.753	0.754	0.754	0.754	0.754	0.754	0.754	0.753	0.752	0.751
Beneficiary same age as Retiree	0	0.747	0.748	0.749	0.750	0.751	0.752	0.753	0.754	0.755	0.756	0.757	0.758	0.759	0.759	0.759	0.760	0.760	0.759	0.759	0.758

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8b: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																				
		40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
Beneficiary older than Retiree	-1	0.749	0.751	0.752	0.753	0.754	0.756	0.757	0.758	0.759	0.760	0.761	0.762	0.763	0.764	0.765	0.765	0.765	0.765	0.765	0.764	
	-2	0.752	0.753	0.755	0.756	0.758	0.759	0.760	0.762	0.763	0.764	0.766	0.767	0.768	0.769	0.770	0.770	0.770	0.771	0.771	0.771	0.771
	-3	0.755	0.756	0.758	0.759	0.761	0.762	0.764	0.765	0.767	0.769	0.770	0.771	0.773	0.774	0.775	0.776	0.777	0.777	0.777	0.777	0.777
	-4	0.757	0.759	0.761	0.762	0.764	0.766	0.768	0.769	0.771	0.773	0.774	0.776	0.778	0.779	0.780	0.782	0.783	0.783	0.783	0.784	0.784
	-5	0.760	0.762	0.764	0.766	0.768	0.769	0.771	0.773	0.775	0.777	0.779	0.781	0.782	0.784	0.786	0.787	0.788	0.789	0.789	0.790	0.791
	-6	0.763	0.765	0.767	0.769	0.771	0.773	0.775	0.777	0.779	0.781	0.783	0.785	0.787	0.789	0.791	0.793	0.794	0.796	0.796	0.797	0.797
	-7	0.766	0.768	0.770	0.772	0.775	0.777	0.779	0.781	0.784	0.786	0.788	0.790	0.792	0.795	0.797	0.798	0.800	0.800	0.802	0.803	0.804
	-8	0.769	0.771	0.774	0.776	0.778	0.781	0.783	0.785	0.788	0.790	0.793	0.795	0.797	0.800	0.802	0.804	0.806	0.806	0.808	0.809	0.811
	-9	0.772	0.775	0.777	0.779	0.782	0.784	0.787	0.789	0.792	0.795	0.797	0.800	0.802	0.805	0.807	0.810	0.812	0.814	0.814	0.816	0.817
	-10	0.775	0.778	0.780	0.783	0.786	0.788	0.791	0.794	0.796	0.799	0.802	0.805	0.807	0.810	0.813	0.815	0.818	0.820	0.822	0.822	0.824
	-11	0.779	0.781	0.784	0.786	0.789	0.792	0.795	0.798	0.801	0.804	0.807	0.810	0.812	0.815	0.818	0.821	0.824	0.826	0.826	0.829	0.831
	-12	0.782	0.785	0.787	0.790	0.793	0.796	0.799	0.802	0.805	0.808	0.811	0.814	0.817	0.821	0.824	0.827	0.829	0.832	0.835	0.838	0.841
	-13	0.785	0.788	0.791	0.794	0.797	0.800	0.803	0.806	0.809	0.813	0.816	0.819	0.822	0.826	0.829	0.832	0.835	0.838	0.841	0.844	0.844
	-14	0.789	0.791	0.794	0.798	0.801	0.804	0.807	0.810	0.814	0.817	0.821	0.824	0.827	0.831	0.834	0.838	0.841	0.844	0.844	0.847	0.850
	-15	0.792	0.795	0.798	0.801	0.805	0.808	0.811	0.815	0.818	0.822	0.825	0.829	0.832	0.836	0.839	0.843	0.846	0.850	0.853	0.853	0.856
-16	0.795	0.799	0.802	0.805	0.809	0.812	0.815	0.819	0.823	0.826	0.830	0.834	0.837	0.841	0.845	0.848	0.852	0.855	0.859	0.862	0.862	
-17	0.799	0.802	0.806	0.809	0.812	0.816	0.820	0.823	0.827	0.831	0.835	0.838	0.842	0.846	0.850	0.854	0.857	0.861	0.865	0.868	0.868	
-18	0.803	0.806	0.809	0.813	0.816	0.820	0.824	0.828	0.831	0.835	0.839	0.843	0.847	0.851	0.855	0.859	0.863	0.867	0.870	0.874	0.874	
-19	0.806	0.810	0.813	0.817	0.820	0.824	0.828	0.832	0.836	0.840	0.844	0.848	0.852	0.856	0.860	0.864	0.868	0.872	0.876	0.879	0.879	
-20	0.810	0.813	0.817	0.821	0.825	0.828	0.832	0.836	0.840	0.844	0.849	0.853	0.857	0.861	0.865	0.869	0.873	0.877	0.881	0.885	0.885	
-21	0.814	0.817	0.821	0.825	0.829	0.833	0.837	0.841	0.845	0.849	0.853	0.857	0.862	0.866	0.870	0.874	0.878	0.882	0.886	0.890	0.890	
-22	0.817	0.821	0.825	0.829	0.833	0.837	0.841	0.845	0.849	0.854	0.858	0.862	0.867	0.871	0.876	0.880	0.884	0.888	0.892	0.896	0.895	
-23	0.821	0.825	0.829	0.833	0.837	0.841	0.845	0.850	0.854	0.858	0.862	0.867	0.871	0.876	0.880	0.884	0.888	0.892	0.896	0.900	0.900	
-24	0.825	0.829	0.833	0.837	0.841	0.845	0.850	0.854	0.858	0.863	0.867	0.872	0.876	0.880	0.885	0.889	0.893	0.897	0.901	0.905	0.905	
-25	0.829	0.833	0.837	0.841	0.846	0.850	0.854	0.859	0.863	0.867	0.872	0.876	0.881	0.885	0.889	0.894	0.898	0.902	0.906	0.910	0.910	
-26	0.833	0.837	0.841	0.846	0.850	0.854	0.859	0.863	0.867	0.872	0.876	0.881	0.885	0.890	0.894	0.898	0.902	0.906	0.910	0.914	0.914	
-27	0.837	0.842	0.846	0.850	0.854	0.859	0.863	0.868	0.872	0.877	0.881	0.885	0.890	0.894	0.898	0.903	0.907	0.911	0.915	0.918	0.918	
-28	0.842	0.846	0.850	0.854	0.859	0.863	0.868	0.872	0.877	0.881	0.886	0.890	0.894	0.899	0.903	0.907	0.911	0.915	0.919	0.922	0.922	
-29	0.846	0.850	0.854	0.859	0.863	0.868	0.872	0.877	0.881	0.886	0.890	0.894	0.899	0.903	0.907	0.911	0.915	0.919	0.923	0.926	0.926	
-30	0.850	0.854	0.859	0.863	0.868	0.872	0.877	0.881	0.886	0.890	0.895	0.899	0.903	0.907	0.911	0.915	0.919	0.923	0.926	0.929	0.929	
-31	0.854	0.859	0.863	0.868	0.872	0.877	0.881	0.886	0.890	0.895	0.899	0.903	0.907	0.912	0.916	0.919	0.923	0.926	0.930	0.933	0.933	
-32	0.859	0.863	0.868	0.872	0.877	0.881	0.886	0.890	0.895	0.899	0.903	0.907	0.912	0.916	0.919	0.923	0.927	0.930	0.933	0.936	0.936	
-33	0.863	0.868	0.872	0.877	0.881	0.886	0.890	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.939	
-34	0.868	0.872	0.877	0.881	0.886	0.890	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.941	0.941	
-35	0.872	0.877	0.881	0.886	0.890	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.941	0.944	0.944	
Beneficiary older than Retiree	-36	0.877	0.881	0.886	0.890	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.944	
	-37	0.881	0.886	0.890	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	
	-38	0.886	0.890	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	
	-39	0.890	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.951	
	-40	0.895	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8b: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
Beneficiary	-41	0.899	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.954
older	-42	0.903	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.954	0.956
than	-43	0.908	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957
Retiree	-44	0.912	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958
	-45	0.916	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959
	-46	0.920	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959
	-47	0.923	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960
	-48	0.927	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961
	-49	0.930	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961
	-50	0.933	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962
	-51	0.936	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962
	-52	0.939	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962	
	-53	0.942	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962		
	-54	0.944	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962			
	-55	0.946	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962				
	-56	0.948	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962					
	-57	0.950	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962						
	-58	0.952	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962							
	-59	0.953	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962								
	-60	0.955	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962									
	-61	0.956	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962										
	-62	0.957	0.958	0.959	0.959	0.960	0.961	0.961	0.962	0.962											
	-63	0.958	0.959	0.959	0.960	0.961	0.961	0.961	0.962	0.962											
	-64	0.959	0.959	0.960	0.961	0.961	0.962	0.962													
	-65	0.959	0.960	0.961	0.961	0.962	0.962														
	-66	0.960	0.961	0.961	0.962	0.962															
	-67	0.961	0.961	0.962	0.962																
	-68	0.961	0.962	0.962																	
	-69	0.962	0.962																		
	-70	0.962																			
	-71																				
	-72																				
	-73																				
	-74																				
	-75																				
Beneficiary	-76																				
older	-77																				
than	-78																				
Retiree	-79																				
	-80																				

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8b: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
Beneficiary	-81																				
older	-82																				
than	-83																				
Retiree	-84																				
	-85																				
	-86																				
	-87																				
	-88																				
	-89																				
	-90																				

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8b: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

Beneficiary Age Difference	Attained Age at Retirement										
	60	61	62	63	64	65	66	67	68	69	70
Beneficiary 70											0.467
younger than Retiree 69										0.484	0.467
68									0.501	0.484	0.467
67								0.517	0.501	0.485	0.467
66							0.532	0.517	0.501	0.485	0.468
65						0.547	0.532	0.517	0.502	0.485	0.468
64					0.560	0.547	0.533	0.518	0.502	0.486	0.468
63				0.573	0.561	0.547	0.533	0.518	0.502	0.486	0.469
62			0.584	0.573	0.561	0.548	0.534	0.519	0.503	0.486	0.469
61		0.595	0.585	0.573	0.561	0.548	0.534	0.519	0.503	0.487	0.470
60	0.605	0.595	0.585	0.574	0.562	0.549	0.534	0.519	0.504	0.487	0.470
59	0.605	0.596	0.585	0.574	0.562	0.549	0.535	0.520	0.504	0.488	0.471
58	0.605	0.596	0.586	0.575	0.563	0.549	0.535	0.520	0.505	0.488	0.471
57	0.606	0.596	0.586	0.575	0.563	0.550	0.536	0.521	0.505	0.489	0.472
56	0.606	0.597	0.587	0.576	0.563	0.550	0.536	0.521	0.506	0.489	0.472
55	0.607	0.597	0.587	0.576	0.564	0.551	0.537	0.522	0.506	0.490	0.473
54	0.607	0.598	0.588	0.577	0.565	0.551	0.537	0.522	0.507	0.490	0.473
53	0.608	0.598	0.588	0.577	0.565	0.552	0.538	0.523	0.507	0.491	0.474
52	0.608	0.599	0.589	0.578	0.566	0.553	0.539	0.524	0.508	0.492	0.475
51	0.609	0.599	0.589	0.578	0.566	0.553	0.539	0.524	0.509	0.492	0.476
50	0.609	0.600	0.590	0.579	0.567	0.554	0.540	0.525	0.510	0.493	0.476
49	0.610	0.601	0.590	0.580	0.568	0.555	0.541	0.526	0.510	0.494	0.477
48	0.610	0.601	0.591	0.580	0.568	0.556	0.541	0.527	0.511	0.495	0.478
47	0.611	0.602	0.592	0.581	0.569	0.556	0.542	0.528	0.512	0.496	0.479
46	0.612	0.603	0.593	0.582	0.570	0.557	0.543	0.528	0.513	0.497	0.480
45	0.613	0.603	0.593	0.583	0.571	0.558	0.544	0.529	0.514	0.498	0.481
44	0.613	0.604	0.594	0.584	0.572	0.559	0.545	0.531	0.515	0.499	0.482
43	0.614	0.605	0.595	0.585	0.573	0.560	0.546	0.532	0.516	0.500	0.483
42	0.615	0.606	0.596	0.586	0.574	0.561	0.547	0.533	0.517	0.501	0.485
41	0.616	0.607	0.597	0.587	0.575	0.562	0.549	0.534	0.519	0.503	0.486
40	0.617	0.608	0.598	0.588	0.576	0.564	0.550	0.535	0.520	0.504	0.488
39	0.618	0.609	0.599	0.589	0.577	0.565	0.551	0.537	0.522	0.506	0.489
38	0.619	0.610	0.601	0.590	0.579	0.566	0.553	0.538	0.523	0.507	0.491
37	0.620	0.612	0.602	0.592	0.580	0.568	0.554	0.540	0.525	0.509	0.492
36	0.622	0.613	0.603	0.593	0.582	0.569	0.556	0.541	0.526	0.511	0.494
Beneficiary 35	0.623	0.614	0.605	0.595	0.583	0.571	0.558	0.543	0.528	0.513	0.496
younger than Retiree 34	0.624	0.616	0.606	0.596	0.585	0.573	0.559	0.545	0.530	0.515	0.498
33	0.626	0.617	0.608	0.598	0.587	0.575	0.561	0.547	0.532	0.517	0.500
32	0.627	0.619	0.610	0.600	0.589	0.577	0.563	0.549	0.534	0.519	0.503
31	0.629	0.621	0.612	0.602	0.591	0.579	0.565	0.552	0.537	0.521	0.505

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8b: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement										
		60	61	62	63	64	65	66	67	68	69	70
Beneficiary younger than Retiree	30	0.631	0.623	0.614	0.604	0.593	0.581	0.568	0.554	0.539	0.524	0.508
	29	0.633	0.625	0.616	0.606	0.595	0.583	0.570	0.556	0.542	0.527	0.511
	28	0.635	0.627	0.618	0.608	0.597	0.586	0.573	0.559	0.545	0.529	0.514
	27	0.637	0.629	0.620	0.611	0.600	0.588	0.576	0.562	0.548	0.532	0.517
	26	0.639	0.631	0.623	0.613	0.603	0.591	0.578	0.565	0.551	0.536	0.520
	25	0.641	0.634	0.625	0.616	0.605	0.594	0.581	0.568	0.554	0.539	0.524
	24	0.644	0.636	0.628	0.619	0.608	0.597	0.585	0.572	0.558	0.543	0.527
	23	0.647	0.639	0.631	0.622	0.612	0.600	0.588	0.575	0.561	0.547	0.531
	22	0.649	0.642	0.634	0.625	0.615	0.604	0.592	0.579	0.565	0.551	0.535
	21	0.652	0.645	0.637	0.628	0.618	0.608	0.596	0.583	0.569	0.555	0.540
20	0.655	0.648	0.641	0.632	0.622	0.612	0.600	0.587	0.574	0.559	0.544	
19	0.659	0.652	0.644	0.636	0.626	0.616	0.604	0.591	0.578	0.564	0.549	
18	0.662	0.655	0.648	0.640	0.630	0.620	0.608	0.596	0.583	0.569	0.555	
17	0.666	0.659	0.652	0.644	0.635	0.624	0.613	0.601	0.588	0.574	0.560	
16	0.669	0.663	0.656	0.648	0.639	0.629	0.618	0.606	0.594	0.580	0.566	
15	0.673	0.667	0.660	0.653	0.644	0.634	0.623	0.612	0.599	0.586	0.572	
14	0.678	0.672	0.665	0.657	0.649	0.640	0.629	0.617	0.605	0.592	0.578	
13	0.682	0.676	0.670	0.662	0.654	0.645	0.635	0.623	0.611	0.598	0.585	
12	0.686	0.681	0.675	0.668	0.660	0.651	0.641	0.629	0.618	0.605	0.592	
11	0.691	0.686	0.680	0.673	0.666	0.657	0.647	0.636	0.624	0.612	0.599	
10	0.696	0.691	0.685	0.679	0.672	0.663	0.653	0.643	0.631	0.619	0.606	
9	0.701	0.697	0.691	0.685	0.678	0.670	0.660	0.650	0.639	0.627	0.614	
8	0.707	0.702	0.697	0.691	0.684	0.676	0.667	0.657	0.646	0.635	0.622	
7	0.712	0.708	0.703	0.698	0.691	0.683	0.674	0.665	0.654	0.643	0.631	
6	0.718	0.714	0.710	0.704	0.698	0.691	0.682	0.673	0.662	0.651	0.640	
5	0.724	0.720	0.716	0.711	0.705	0.698	0.690	0.681	0.671	0.660	0.649	
4	0.730	0.727	0.723	0.718	0.712	0.706	0.698	0.689	0.680	0.669	0.658	
3	0.736	0.733	0.730	0.725	0.720	0.714	0.706	0.698	0.689	0.679	0.668	
2	0.743	0.740	0.737	0.733	0.728	0.722	0.714	0.706	0.698	0.688	0.678	
1	0.749	0.747	0.744	0.740	0.736	0.730	0.723	0.715	0.707	0.698	0.688	
Beneficiary same age as Retiree	0	0.756	0.754	0.751	0.748	0.744	0.738	0.732	0.725	0.717	0.708	0.698

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8b: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement										
		60	61	62	63	64	65	66	67	68	69	70
Beneficiary older than Retiree	-1	0.763	0.761	0.759	0.756	0.752	0.747	0.741	0.734	0.726	0.718	0.709
	-2	0.770	0.768	0.766	0.764	0.760	0.756	0.750	0.744	0.736	0.728	0.720
	-3	0.777	0.776	0.774	0.772	0.769	0.764	0.759	0.753	0.746	0.739	0.730
	-4	0.784	0.783	0.782	0.780	0.777	0.773	0.768	0.763	0.756	0.749	0.741
	-5	0.791	0.790	0.789	0.788	0.785	0.782	0.778	0.772	0.767	0.760	0.752
	-6	0.798	0.798	0.797	0.796	0.794	0.791	0.787	0.782	0.777	0.770	0.763
	-7	0.805	0.805	0.805	0.804	0.802	0.800	0.796	0.792	0.787	0.781	0.774
	-8	0.812	0.812	0.813	0.812	0.811	0.809	0.805	0.801	0.797	0.791	0.785
	-9	0.819	0.820	0.820	0.820	0.819	0.817	0.814	0.811	0.806	0.801	0.795
	-10	0.826	0.827	0.828	0.828	0.827	0.826	0.823	0.820	0.816	0.811	0.805
	-11	0.833	0.834	0.835	0.836	0.835	0.834	0.832	0.829	0.825	0.821	0.815
	-12	0.839	0.841	0.842	0.843	0.843	0.842	0.841	0.838	0.835	0.830	0.825
	-13	0.846	0.848	0.850	0.851	0.851	0.850	0.849	0.846	0.843	0.839	0.835
	-14	0.852	0.855	0.857	0.858	0.858	0.858	0.857	0.855	0.852	0.848	0.844
	-15	0.859	0.861	0.863	0.865	0.866	0.866	0.865	0.863	0.860	0.857	0.852
	-16	0.865	0.868	0.870	0.872	0.873	0.873	0.872	0.871	0.868	0.865	0.861
	-17	0.871	0.874	0.876	0.878	0.880	0.880	0.879	0.878	0.876	0.873	0.869
	-18	0.877	0.880	0.883	0.885	0.886	0.887	0.886	0.885	0.883	0.880	0.876
	-19	0.883	0.886	0.888	0.891	0.892	0.893	0.893	0.891	0.890	0.887	0.883
	-20	0.888	0.891	0.894	0.897	0.898	0.899	0.899	0.898	0.896	0.893	0.889
	-21	0.894	0.897	0.900	0.902	0.904	0.905	0.904	0.903	0.902	0.899	0.895
	-22	0.899	0.902	0.905	0.907	0.909	0.910	0.910	0.909	0.907	0.904	0.900
	-23	0.904	0.907	0.910	0.912	0.914	0.915	0.915	0.914	0.912	0.909	0.905
	-24	0.908	0.912	0.915	0.917	0.919	0.920	0.919	0.918	0.917	0.914	0.910
	-25	0.913	0.916	0.919	0.921	0.923	0.924	0.924	0.923	0.921	0.918	0.914
	-26	0.917	0.920	0.923	0.925	0.927	0.928	0.927	0.926	0.925	0.922	0.917
	-27	0.921	0.924	0.927	0.929	0.931	0.931	0.931	0.930	0.928	0.925	0.921
	-28	0.925	0.928	0.931	0.933	0.934	0.935	0.934	0.933	0.931	0.928	0.924
	-29	0.929	0.932	0.934	0.936	0.937	0.938	0.937	0.936	0.934	0.931	0.926
	-30	0.932	0.935	0.937	0.939	0.940	0.941	0.940	0.939	0.936	0.933	0.929
	-31	0.935	0.938	0.940	0.942	0.943	0.943	0.942	0.941	0.939	0.936	0.931
	-32	0.938	0.941	0.943	0.944	0.945	0.945	0.944	0.943	0.941	0.938	0.933
	-33	0.941	0.943	0.945	0.946	0.947	0.947	0.946	0.945	0.943	0.939	0.935
	-34	0.944	0.945	0.947	0.948	0.949	0.949	0.948	0.947	0.944	0.941	0.936
	-35	0.946	0.948	0.949	0.950	0.951	0.951	0.950	0.948	0.946	0.942	0.938
Beneficiary older than Retiree	-36	0.948	0.949	0.951	0.952	0.952	0.952	0.951	0.949	0.947	0.943	0.939
	-37	0.950	0.951	0.952	0.953	0.954	0.954	0.952	0.951	0.948	0.945	0.940
	-38	0.951	0.953	0.954	0.955	0.955	0.955	0.953	0.952	0.949	0.946	0.941
	-39	0.953	0.954	0.955	0.956	0.956	0.956	0.954	0.952	0.950	0.947	0.942
	-40	0.954	0.955	0.956	0.957	0.957	0.957	0.955	0.953	0.951	0.947	0.943

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8b: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement										
		60	61	62	63	64	65	66	67	68	69	70
Beneficiary	-41	0.956	0.957	0.957	0.958	0.958	0.957	0.956	0.954	0.952	0.949	
older	-42	0.957	0.958	0.958	0.959	0.959	0.958	0.957	0.955	0.953		
than	-43	0.958	0.958	0.959	0.959	0.959	0.959	0.958	0.956			
Retiree	-44	0.959	0.959	0.960	0.960	0.960	0.960	0.958				
	-45	0.959	0.960	0.960	0.961	0.961	0.960					
	-46	0.960	0.961	0.961	0.961	0.961						
	-47	0.961	0.961	0.962	0.962							
	-48	0.961	0.962	0.962								
	-49	0.962	0.962									
	-50	0.962										
	-51											
	-52											
	-53											
	-54											
	-55											
	-56											
	-57											
	-58											
	-59											
	-60											
	-61											
	-62											
	-63											
	-64											
	-65											
	-66											
	-67											
	-68											
	-69											
	-70											
	-71											
	-72											
	-73											
	-74											
	-75											
Beneficiary	-76											
older	-77											
than	-78											
Retiree	-79											
	-80											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 8b: 100% Joint and Survivor Annuity with Pop-up Feature - Option 2A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement										
		60	61	62	63	64	65	66	67	68	69	70
Beneficiary	-81											
older	-82											
than	-83											
Retiree	-84											
	-85											
	-86											
	-87											
	-88											
	-89											
	-90											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 9a: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

Beneficiary Age Difference	Attained Age at Retirement																			
	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
Beneficiary 75																				
younger 74																				
than 73																				
Retiree 72																				
71																				
70																				
69																				
68																				
67																				
66																				
65																				
64																				0.810
63																			0.820	0.810
62																		0.830	0.820	0.810
61																	0.840	0.830	0.821	0.810
60																0.849	0.840	0.831	0.821	0.811
59															0.857	0.849	0.840	0.831	0.821	0.811
58														0.866	0.858	0.849	0.840	0.831	0.822	0.812
57													0.873	0.866	0.858	0.850	0.841	0.832	0.822	0.812
56												0.881	0.874	0.866	0.858	0.850	0.841	0.832	0.822	0.812
55											0.888	0.881	0.874	0.866	0.859	0.850	0.841	0.832	0.823	0.813
54										0.894	0.888	0.881	0.874	0.867	0.859	0.851	0.842	0.833	0.823	0.813
53									0.901	0.895	0.888	0.882	0.874	0.867	0.859	0.851	0.842	0.833	0.824	0.814
52								0.906	0.901	0.895	0.889	0.882	0.875	0.867	0.860	0.851	0.843	0.834	0.824	0.814
51							0.912	0.907	0.901	0.895	0.889	0.882	0.875	0.868	0.860	0.852	0.843	0.834	0.825	0.815
50						0.917	0.912	0.907	0.901	0.895	0.889	0.883	0.876	0.868	0.860	0.852	0.844	0.835	0.825	0.815
49					0.922	0.917	0.913	0.907	0.902	0.896	0.889	0.883	0.876	0.869	0.861	0.853	0.844	0.835	0.826	0.816
48				0.927	0.922	0.918	0.913	0.908	0.902	0.896	0.890	0.883	0.876	0.869	0.861	0.853	0.845	0.836	0.826	0.816
47			0.931	0.927	0.923	0.918	0.913	0.908	0.902	0.896	0.890	0.884	0.877	0.869	0.862	0.854	0.845	0.836	0.827	0.817
46		0.935	0.931	0.927	0.923	0.918	0.913	0.908	0.903	0.897	0.891	0.884	0.877	0.870	0.862	0.854	0.846	0.837	0.827	0.818
45	0.939	0.936	0.932	0.928	0.923	0.919	0.914	0.909	0.903	0.897	0.891	0.885	0.878	0.870	0.863	0.855	0.846	0.837	0.828	0.818
44	0.939	0.936	0.932	0.928	0.924	0.919	0.914	0.909	0.903	0.898	0.892	0.885	0.878	0.871	0.863	0.855	0.847	0.838	0.829	0.819
43	0.940	0.936	0.932	0.928	0.924	0.919	0.915	0.909	0.904	0.898	0.892	0.886	0.879	0.872	0.864	0.856	0.848	0.839	0.830	0.820
42	0.940	0.936	0.933	0.929	0.924	0.920	0.915	0.910	0.904	0.899	0.893	0.886	0.879	0.872	0.865	0.857	0.848	0.840	0.830	0.821
41	0.940	0.937	0.933	0.929	0.925	0.920	0.915	0.910	0.905	0.899	0.893	0.887	0.880	0.873	0.865	0.857	0.849	0.840	0.831	0.822
Beneficiary 40	0.941	0.937	0.933	0.929	0.925	0.921	0.916	0.911	0.905	0.900	0.894	0.887	0.881	0.874	0.866	0.858	0.850	0.841	0.832	0.823
younger 39	0.941	0.937	0.934	0.930	0.926	0.921	0.916	0.911	0.906	0.900	0.894	0.888	0.881	0.874	0.867	0.859	0.851	0.842	0.833	0.824
than 38	0.941	0.938	0.934	0.930	0.926	0.921	0.917	0.912	0.906	0.901	0.895	0.889	0.882	0.875	0.868	0.860	0.852	0.843	0.834	0.825
Retiree 37	0.942	0.938	0.935	0.931	0.926	0.922	0.917	0.912	0.907	0.901	0.896	0.889	0.883	0.876	0.869	0.861	0.853	0.844	0.835	0.826
36	0.942	0.939	0.935	0.931	0.927	0.923	0.918	0.913	0.908	0.902	0.896	0.890	0.884	0.877	0.869	0.862	0.854	0.845	0.836	0.827

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 9a: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

Beneficiary Age Difference	Attained Age at Retirement																				
	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
Beneficiary younger than Retiree	35	0.942	0.939	0.935	0.932	0.927	0.923	0.918	0.914	0.908	0.903	0.897	0.891	0.884	0.878	0.870	0.863	0.855	0.846	0.838	0.828
	34	0.943	0.940	0.936	0.932	0.928	0.924	0.919	0.914	0.909	0.904	0.898	0.892	0.885	0.878	0.871	0.864	0.856	0.848	0.839	0.830
	33	0.943	0.940	0.936	0.933	0.929	0.924	0.920	0.915	0.910	0.904	0.899	0.893	0.886	0.879	0.872	0.865	0.857	0.849	0.840	0.831
	32	0.944	0.941	0.937	0.933	0.929	0.925	0.920	0.916	0.911	0.905	0.900	0.894	0.887	0.881	0.874	0.866	0.858	0.850	0.842	0.833
	31	0.944	0.941	0.938	0.934	0.930	0.926	0.921	0.916	0.911	0.906	0.900	0.894	0.888	0.882	0.875	0.867	0.860	0.852	0.843	0.834
	30	0.945	0.942	0.938	0.934	0.930	0.926	0.922	0.917	0.912	0.907	0.901	0.896	0.889	0.883	0.876	0.869	0.861	0.853	0.845	0.836
	29	0.945	0.942	0.939	0.935	0.931	0.927	0.923	0.918	0.913	0.908	0.902	0.897	0.890	0.884	0.877	0.870	0.862	0.855	0.846	0.838
	28	0.946	0.943	0.939	0.936	0.932	0.928	0.924	0.919	0.914	0.909	0.903	0.898	0.892	0.885	0.879	0.871	0.864	0.856	0.848	0.839
	27	0.947	0.943	0.940	0.937	0.933	0.929	0.924	0.920	0.915	0.910	0.905	0.899	0.893	0.887	0.880	0.873	0.866	0.858	0.850	0.841
	26	0.947	0.944	0.941	0.937	0.934	0.930	0.925	0.921	0.916	0.911	0.906	0.900	0.894	0.888	0.882	0.875	0.867	0.860	0.852	0.843
	25	0.948	0.945	0.942	0.938	0.934	0.930	0.926	0.922	0.917	0.912	0.907	0.901	0.896	0.890	0.883	0.876	0.869	0.862	0.854	0.846
	24	0.949	0.946	0.942	0.939	0.935	0.931	0.927	0.923	0.918	0.913	0.908	0.903	0.897	0.891	0.885	0.878	0.871	0.864	0.856	0.848
	23	0.949	0.946	0.943	0.940	0.936	0.932	0.928	0.924	0.920	0.915	0.910	0.904	0.899	0.893	0.886	0.880	0.873	0.866	0.858	0.850
	22	0.950	0.947	0.944	0.941	0.937	0.933	0.930	0.925	0.921	0.916	0.911	0.906	0.900	0.894	0.888	0.882	0.875	0.868	0.860	0.852
	21	0.951	0.948	0.945	0.942	0.938	0.935	0.931	0.927	0.922	0.917	0.913	0.907	0.902	0.896	0.890	0.884	0.877	0.870	0.863	0.855
	20	0.952	0.949	0.946	0.943	0.939	0.936	0.932	0.928	0.923	0.919	0.914	0.909	0.904	0.898	0.892	0.886	0.879	0.872	0.865	0.858
	19	0.953	0.950	0.947	0.944	0.940	0.937	0.933	0.929	0.925	0.920	0.916	0.911	0.905	0.900	0.894	0.888	0.881	0.875	0.868	0.860
	18	0.954	0.951	0.948	0.945	0.942	0.938	0.934	0.931	0.926	0.922	0.917	0.912	0.907	0.902	0.896	0.890	0.884	0.877	0.870	0.863
	17	0.955	0.952	0.949	0.946	0.943	0.939	0.936	0.932	0.928	0.924	0.919	0.914	0.909	0.904	0.898	0.892	0.886	0.880	0.873	0.866
	16	0.956	0.953	0.950	0.947	0.944	0.941	0.937	0.933	0.929	0.925	0.921	0.916	0.911	0.906	0.901	0.895	0.889	0.882	0.876	0.869
	15	0.957	0.954	0.951	0.948	0.945	0.942	0.939	0.935	0.931	0.927	0.923	0.918	0.913	0.908	0.903	0.897	0.891	0.885	0.879	0.872
	14	0.958	0.955	0.952	0.950	0.947	0.943	0.940	0.937	0.933	0.929	0.925	0.920	0.915	0.910	0.905	0.900	0.894	0.888	0.882	0.875
	13	0.959	0.956	0.954	0.951	0.948	0.945	0.942	0.938	0.934	0.931	0.926	0.922	0.918	0.913	0.908	0.902	0.897	0.891	0.885	0.879
	12	0.960	0.957	0.955	0.952	0.949	0.946	0.943	0.940	0.936	0.932	0.928	0.924	0.920	0.915	0.910	0.905	0.900	0.894	0.888	0.882
	11	0.961	0.959	0.956	0.954	0.951	0.948	0.945	0.941	0.938	0.934	0.930	0.926	0.922	0.918	0.913	0.908	0.903	0.897	0.891	0.885
	10	0.962	0.960	0.957	0.955	0.952	0.949	0.946	0.943	0.940	0.936	0.933	0.929	0.924	0.920	0.915	0.911	0.906	0.900	0.895	0.889
	9	0.963	0.961	0.959	0.956	0.954	0.951	0.948	0.945	0.942	0.938	0.935	0.931	0.927	0.923	0.918	0.913	0.909	0.903	0.898	0.893
	8	0.964	0.962	0.960	0.958	0.955	0.953	0.950	0.947	0.944	0.940	0.937	0.933	0.929	0.925	0.921	0.916	0.912	0.907	0.901	0.896
	7	0.965	0.963	0.961	0.959	0.957	0.954	0.951	0.949	0.946	0.942	0.939	0.935	0.932	0.928	0.924	0.919	0.915	0.910	0.905	0.900
	6	0.967	0.965	0.963	0.960	0.958	0.956	0.953	0.950	0.947	0.944	0.941	0.938	0.934	0.930	0.926	0.922	0.918	0.913	0.908	0.903
Beneficiary younger than Retiree	5	0.968	0.966	0.964	0.962	0.960	0.957	0.955	0.952	0.949	0.946	0.943	0.940	0.937	0.933	0.929	0.925	0.921	0.916	0.912	0.907
	4	0.969	0.967	0.965	0.963	0.961	0.959	0.957	0.954	0.951	0.948	0.945	0.942	0.939	0.935	0.932	0.928	0.924	0.920	0.915	0.911
	3	0.970	0.969	0.967	0.965	0.963	0.961	0.958	0.956	0.953	0.951	0.948	0.945	0.941	0.938	0.935	0.931	0.927	0.923	0.919	0.914
	2	0.971	0.970	0.968	0.966	0.964	0.962	0.960	0.958	0.955	0.953	0.950	0.947	0.944	0.941	0.937	0.934	0.930	0.926	0.922	0.918
	1	0.973	0.971	0.969	0.968	0.966	0.964	0.962	0.959	0.957	0.955	0.952	0.949	0.946	0.943	0.940	0.937	0.933	0.929	0.926	0.922
Beneficiary same age as Retiree	0	0.974	0.972	0.971	0.969	0.967	0.965	0.963	0.961	0.959	0.957	0.955	0.954	0.951	0.949	0.946	0.943	0.939	0.936	0.933	0.929

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 9a: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

Beneficiary Age Difference	Attained Age at Retirement																			
	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
Beneficiary older than Retiree -1	0.975	0.973	0.972	0.970	0.969	0.967	0.965	0.963	0.961	0.959	0.956	0.954	0.951	0.948	0.945	0.942	0.939	0.936	0.932	0.929
-2	0.976	0.975	0.973	0.972	0.970	0.968	0.967	0.965	0.963	0.960	0.958	0.956	0.953	0.951	0.948	0.945	0.942	0.939	0.935	0.932
-3	0.977	0.976	0.974	0.973	0.972	0.970	0.968	0.966	0.964	0.962	0.960	0.958	0.955	0.953	0.950	0.948	0.945	0.942	0.939	0.936
-4	0.978	0.977	0.976	0.974	0.973	0.971	0.970	0.968	0.966	0.964	0.962	0.960	0.958	0.955	0.953	0.950	0.947	0.945	0.942	0.939
-5	0.979	0.978	0.977	0.976	0.974	0.973	0.971	0.970	0.968	0.966	0.964	0.962	0.960	0.958	0.955	0.953	0.950	0.947	0.945	0.942
-6	0.980	0.979	0.978	0.977	0.975	0.974	0.973	0.971	0.969	0.968	0.966	0.964	0.962	0.960	0.958	0.955	0.953	0.950	0.948	0.945
-7	0.981	0.980	0.979	0.978	0.977	0.975	0.974	0.973	0.971	0.969	0.968	0.966	0.964	0.962	0.960	0.958	0.955	0.953	0.950	0.948
-8	0.982	0.981	0.980	0.979	0.978	0.977	0.975	0.974	0.973	0.971	0.969	0.968	0.966	0.964	0.962	0.960	0.958	0.955	0.953	0.951
-9	0.983	0.982	0.981	0.980	0.979	0.978	0.977	0.975	0.974	0.973	0.971	0.969	0.968	0.966	0.964	0.962	0.960	0.958	0.956	0.954
-10	0.984	0.983	0.982	0.981	0.980	0.979	0.978	0.977	0.975	0.974	0.973	0.971	0.969	0.968	0.966	0.964	0.962	0.960	0.958	0.956
-11	0.985	0.984	0.983	0.982	0.981	0.980	0.979	0.978	0.977	0.975	0.974	0.973	0.971	0.970	0.968	0.966	0.965	0.963	0.961	0.959
-12	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.979	0.978	0.977	0.976	0.974	0.973	0.971	0.970	0.968	0.967	0.965	0.963	0.961
-13	0.986	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.979	0.978	0.977	0.976	0.974	0.973	0.972	0.970	0.969	0.967	0.965	0.964
-14	0.987	0.986	0.986	0.985	0.984	0.983	0.982	0.982	0.981	0.979	0.978	0.977	0.976	0.975	0.973	0.972	0.970	0.969	0.967	0.966
-15	0.988	0.987	0.987	0.986	0.985	0.984	0.984	0.983	0.982	0.981	0.980	0.979	0.977	0.976	0.975	0.974	0.972	0.971	0.969	0.968
-16	0.989	0.988	0.987	0.987	0.986	0.985	0.984	0.984	0.983	0.982	0.981	0.980	0.979	0.978	0.977	0.975	0.974	0.973	0.971	0.970
-17	0.989	0.989	0.988	0.987	0.987	0.986	0.985	0.985	0.984	0.983	0.982	0.981	0.980	0.979	0.978	0.977	0.976	0.974	0.973	0.972
-18	0.990	0.989	0.989	0.988	0.988	0.987	0.986	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.979	0.978	0.977	0.976	0.975	0.974
-19	0.990	0.990	0.989	0.989	0.988	0.988	0.987	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.979	0.978	0.977	0.975	0.974
-20	0.991	0.991	0.990	0.990	0.989	0.989	0.988	0.987	0.987	0.986	0.985	0.985	0.984	0.983	0.982	0.981	0.980	0.979	0.978	0.977
-21	0.991	0.991	0.991	0.990	0.990	0.989	0.989	0.988	0.988	0.987	0.986	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.980	0.979
-22	0.992	0.992	0.991	0.991	0.990	0.990	0.989	0.989	0.988	0.988	0.987	0.986	0.986	0.985	0.984	0.984	0.983	0.982	0.981	0.980
-23	0.992	0.992	0.992	0.991	0.991	0.991	0.990	0.990	0.989	0.989	0.988	0.987	0.987	0.986	0.985	0.984	0.983	0.982	0.981	0.981
-24	0.993	0.993	0.992	0.992	0.992	0.991	0.991	0.990	0.990	0.989	0.989	0.988	0.988	0.987	0.986	0.986	0.985	0.984	0.983	0.982
-25	0.993	0.993	0.993	0.992	0.992	0.992	0.991	0.991	0.991	0.990	0.990	0.989	0.989	0.988	0.987	0.987	0.986	0.985	0.984	0.983
-26	0.994	0.994	0.993	0.993	0.993	0.992	0.992	0.992	0.991	0.991	0.990	0.990	0.989	0.989	0.988	0.988	0.987	0.986	0.985	0.984
-27	0.994	0.994	0.994	0.993	0.993	0.993	0.993	0.992	0.992	0.991	0.991	0.991	0.990	0.990	0.989	0.988	0.988	0.987	0.986	0.985
-28	0.995	0.994	0.994	0.994	0.994	0.993	0.993	0.993	0.992	0.992	0.991	0.991	0.990	0.990	0.989	0.989	0.988	0.988	0.987	0.986
-29	0.995	0.995	0.994	0.994	0.994	0.994	0.994	0.993	0.993	0.993	0.992	0.992	0.991	0.991	0.990	0.990	0.989	0.988	0.988	0.987
-30	0.995	0.995	0.995	0.995	0.994	0.994	0.994	0.994	0.993	0.993	0.993	0.992	0.992	0.991	0.990	0.990	0.989	0.988	0.988	0.987
-31	0.995	0.995	0.995	0.995	0.995	0.995	0.994	0.994	0.994	0.994	0.993	0.993	0.992	0.992	0.992	0.991	0.990	0.990	0.989	0.988
-32	0.996	0.996	0.995	0.995	0.995	0.995	0.995	0.995	0.994	0.994	0.994	0.993	0.993	0.993	0.992	0.992	0.991	0.990	0.990	0.989
-33	0.996	0.996	0.996	0.996	0.996	0.995	0.995	0.995	0.995	0.994	0.994	0.994	0.993	0.993	0.993	0.992	0.991	0.990	0.990	0.989
-34	0.996	0.996	0.996	0.996	0.996	0.996	0.995	0.995	0.995	0.995	0.994	0.994	0.994	0.993	0.993	0.992	0.992	0.991	0.990	0.990
-35	0.997	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.995	0.995	0.995	0.995	0.994	0.994	0.993	0.993	0.992	0.992	0.991	0.990
Beneficiary older than Retiree -36	0.997	0.997	0.997	0.996	0.996	0.996	0.996	0.996	0.996	0.996	0.995	0.995	0.995	0.994	0.994	0.993	0.993	0.992	0.991	0.990
-37	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.996	0.996	0.995	0.995	0.995	0.994	0.994	0.994	0.993	0.992	0.992	0.991
-38	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.996	0.995	0.995	0.995	0.994	0.994	0.993	0.993	0.992	0.991
-39	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.995	0.995	0.995	0.995	0.994	0.993	0.993	0.992	0.991
-40	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.995	0.995	0.995	0.994	0.994	0.993	0.992	0.992

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 9a: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

	Beneficiary Age Difference	Attained Age at Retirement																			
		45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
Beneficiary older than Retiree	-41	0.998	0.998	0.998	0.997	0.997	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.995	0.995	0.994	0.994	0.993	0.992	0.992
	-42	0.998	0.998	0.998	0.998	0.998	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.996	0.995	0.995	0.994	0.993	0.993	0.992
	-43	0.998	0.998	0.998	0.998	0.998	0.998	0.997	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.995	0.995	0.994	0.994	0.993	0.992
	-44	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.995	0.995	0.994	0.994	0.993	0.992
	-45	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.995	0.994	0.994	0.993	0.992
	-46	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.997	0.997	0.997	0.997	0.996	0.996	0.996	0.995	0.995	0.994	0.993	0.992
	-47	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.997	0.997	0.997	0.996	0.996	0.996	0.995	0.995	0.994	0.993	
	-48	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.997	0.997	0.997	0.996	0.996	0.996	0.995	0.995	0.994	0.993	
	-49	0.999	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.997	0.997	0.997	0.996	0.996	0.995	0.995				
	-50	0.999	0.999	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.997	0.997	0.997	0.996	0.996	0.996					
-51	0.999	0.999	0.999	0.998	0.998	0.998	0.998	0.998	0.998	0.997	0.997	0.997	0.996	0.996							
-52	0.999	0.999	0.999	0.999	0.998	0.998	0.998	0.998	0.998	0.997	0.997	0.997	0.997	0.997							
-53	0.999	0.999	0.999	0.999	0.998	0.998	0.998	0.998	0.998	0.997	0.997	0.997	0.997	0.997							
-54	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.997								
-55	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.998	0.998	0.998	0.998										
-56	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.998	0.998	0.998											
-57	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998	0.998												
-58	0.999	0.999	0.999	0.999	0.999	0.999	0.998	0.998													
-59	0.999	0.999	0.999	0.999	0.999	0.999	0.998														
-60	0.999	0.999	0.999	0.999	0.999	0.999															
Beneficiary older than Retiree	-61	0.999	0.999	0.999	0.999	0.999															
	-62	0.999	0.999	0.999	0.999																
	-63	0.999	0.999	0.999																	
	-64	0.999	0.999																		
	-65	0.999																			

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 9a: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

	Beneficiary Age Difference	Attained Age at Retirement										
		65	66	67	68	69	70	71	72	73	74	75
Beneficiary younger than Retiree	75											0.661
	74									0.678		0.661
	73								0.693	0.678		0.662
	72							0.709	0.694	0.678		0.662
	71						0.723	0.709	0.694	0.678		0.662
	70					0.737	0.723	0.709	0.694	0.679		0.663
	69				0.751	0.737	0.724	0.709	0.695	0.679		0.663
	68			0.763	0.751	0.738	0.724	0.710	0.695	0.679		0.663
	67		0.776	0.764	0.751	0.738	0.724	0.710	0.695	0.680		0.664
	66	0.787	0.776	0.764	0.751	0.738	0.725	0.710	0.696	0.680		0.664
	65	0.799	0.788	0.776	0.764	0.752	0.739	0.725	0.711	0.696	0.681	0.665
	64	0.799	0.788	0.777	0.765	0.752	0.739	0.725	0.711	0.696	0.681	0.665
	63	0.799	0.788	0.777	0.765	0.752	0.739	0.726	0.712	0.697	0.681	0.666
	62	0.800	0.789	0.777	0.765	0.753	0.740	0.726	0.712	0.697	0.682	0.666
	61	0.800	0.789	0.778	0.766	0.753	0.740	0.727	0.712	0.698	0.682	0.667
	60	0.800	0.789	0.778	0.766	0.754	0.741	0.727	0.713	0.698	0.683	0.667
	59	0.801	0.790	0.778	0.766	0.754	0.741	0.728	0.713	0.699	0.684	0.668
	58	0.801	0.790	0.779	0.767	0.755	0.742	0.728	0.714	0.699	0.684	0.668
	57	0.801	0.790	0.779	0.767	0.755	0.742	0.729	0.715	0.700	0.685	0.669
	56	0.802	0.791	0.780	0.768	0.756	0.743	0.729	0.715	0.701	0.685	0.670
	55	0.802	0.791	0.780	0.768	0.756	0.743	0.730	0.716	0.701	0.686	0.670
	54	0.803	0.792	0.781	0.769	0.757	0.744	0.730	0.716	0.702	0.687	0.671
	53	0.803	0.792	0.781	0.769	0.757	0.744	0.731	0.717	0.703	0.688	0.672
	52	0.804	0.793	0.782	0.770	0.758	0.745	0.732	0.718	0.704	0.689	0.673
	51	0.804	0.794	0.782	0.771	0.759	0.746	0.733	0.719	0.704	0.689	0.674
	50	0.805	0.794	0.783	0.771	0.759	0.747	0.733	0.720	0.705	0.690	0.675
	49	0.805	0.795	0.784	0.772	0.760	0.747	0.734	0.721	0.706	0.691	0.676
	48	0.806	0.795	0.784	0.773	0.761	0.748	0.735	0.721	0.707	0.692	0.677
	47	0.807	0.796	0.785	0.774	0.762	0.749	0.736	0.722	0.708	0.694	0.678
	46	0.808	0.797	0.786	0.775	0.763	0.750	0.737	0.724	0.709	0.695	0.679
	45	0.808	0.798	0.787	0.775	0.764	0.751	0.738	0.725	0.711	0.696	0.681
	44	0.809	0.799	0.788	0.776	0.765	0.752	0.739	0.726	0.712	0.697	0.682
	43	0.810	0.800	0.789	0.777	0.766	0.753	0.741	0.727	0.713	0.699	0.684
	42	0.811	0.801	0.790	0.779	0.767	0.755	0.742	0.728	0.715	0.700	0.685
	41	0.812	0.802	0.791	0.780	0.768	0.756	0.743	0.730	0.716	0.702	0.687
Beneficiary younger than Retiree	40	0.813	0.803	0.792	0.781	0.769	0.757	0.745	0.731	0.718	0.703	0.689
	39	0.814	0.804	0.793	0.782	0.771	0.759	0.746	0.733	0.719	0.705	0.690
	38	0.815	0.805	0.794	0.784	0.772	0.760	0.748	0.735	0.721	0.707	0.692
	37	0.816	0.806	0.796	0.785	0.774	0.762	0.749	0.736	0.723	0.709	0.695
	36	0.818	0.808	0.797	0.786	0.775	0.763	0.751	0.738	0.725	0.711	0.697

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
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Table 9a: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

	Beneficiary Age Difference	Attained Age at Retirement										
		65	66	67	68	69	70	71	72	73	74	75
Beneficiary younger than Retiree	35	0.819	0.809	0.799	0.788	0.777	0.765	0.753	0.740	0.727	0.713	0.699
	34	0.820	0.811	0.800	0.790	0.779	0.767	0.755	0.742	0.729	0.716	0.702
	33	0.822	0.812	0.802	0.792	0.781	0.769	0.757	0.745	0.732	0.718	0.704
	32	0.823	0.814	0.804	0.793	0.783	0.771	0.759	0.747	0.734	0.721	0.707
	31	0.825	0.816	0.806	0.795	0.785	0.773	0.762	0.749	0.737	0.724	0.710
	30	0.827	0.817	0.808	0.797	0.787	0.776	0.764	0.752	0.740	0.726	0.713
	29	0.829	0.819	0.810	0.800	0.789	0.778	0.767	0.755	0.742	0.729	0.716
	28	0.831	0.821	0.812	0.802	0.792	0.781	0.769	0.758	0.745	0.733	0.719
	27	0.833	0.824	0.814	0.804	0.794	0.783	0.772	0.761	0.749	0.736	0.723
	26	0.835	0.826	0.817	0.807	0.797	0.786	0.775	0.764	0.752	0.740	0.727
	25	0.837	0.828	0.819	0.810	0.800	0.789	0.778	0.767	0.755	0.743	0.731
	24	0.839	0.831	0.822	0.812	0.803	0.792	0.782	0.771	0.759	0.747	0.735
	23	0.842	0.833	0.824	0.815	0.806	0.796	0.785	0.774	0.763	0.751	0.739
	22	0.844	0.836	0.827	0.818	0.809	0.799	0.789	0.778	0.767	0.755	0.743
	21	0.847	0.839	0.830	0.821	0.812	0.803	0.793	0.782	0.771	0.760	0.748
	20	0.850	0.842	0.833	0.825	0.816	0.806	0.796	0.786	0.775	0.764	0.753
	19	0.853	0.845	0.837	0.828	0.819	0.810	0.800	0.790	0.780	0.769	0.758
	18	0.856	0.848	0.840	0.832	0.823	0.814	0.805	0.795	0.785	0.774	0.763
	17	0.859	0.851	0.843	0.835	0.827	0.818	0.809	0.799	0.790	0.779	0.768
	16	0.862	0.855	0.847	0.839	0.831	0.822	0.813	0.804	0.795	0.784	0.774
15	0.865	0.858	0.851	0.843	0.835	0.827	0.818	0.809	0.800	0.790	0.780	
14	0.869	0.862	0.855	0.847	0.839	0.831	0.823	0.814	0.805	0.795	0.786	
13	0.872	0.865	0.858	0.851	0.844	0.836	0.828	0.819	0.810	0.801	0.792	
12	0.876	0.869	0.862	0.855	0.848	0.841	0.833	0.825	0.816	0.807	0.798	
11	0.879	0.873	0.867	0.860	0.853	0.845	0.838	0.830	0.822	0.813	0.804	
10	0.883	0.877	0.871	0.864	0.857	0.850	0.843	0.835	0.827	0.819	0.811	
9	0.887	0.881	0.875	0.869	0.862	0.855	0.848	0.841	0.833	0.825	0.817	
8	0.891	0.885	0.879	0.873	0.867	0.860	0.854	0.847	0.839	0.832	0.824	
7	0.895	0.889	0.884	0.878	0.872	0.866	0.859	0.852	0.845	0.838	0.830	
6	0.898	0.893	0.888	0.882	0.877	0.871	0.864	0.858	0.851	0.844	0.837	
Beneficiary younger than Retiree	5	0.902	0.897	0.892	0.887	0.881	0.876	0.870	0.864	0.857	0.851	0.844
	4	0.906	0.901	0.897	0.892	0.886	0.881	0.875	0.870	0.864	0.857	0.851
	3	0.910	0.906	0.901	0.896	0.891	0.886	0.881	0.875	0.870	0.864	0.858
	2	0.914	0.910	0.905	0.901	0.896	0.891	0.886	0.881	0.876	0.870	0.864
	1	0.918	0.914	0.909	0.905	0.901	0.896	0.892	0.887	0.882	0.876	0.871
Beneficiary same age as Retiree	0	0.921	0.918	0.914	0.910	0.906	0.901	0.897	0.892	0.887	0.883	0.877

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 9a: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

Beneficiary Age Difference	Attained Age at Retirement										
	65	66	67	68	69	70	71	72	73	74	75
Beneficiary older than Retiree -1	0.925	0.922	0.918	0.914	0.910	0.906	0.902	0.898	0.893	0.889	0.884
-2	0.929	0.925	0.922	0.918	0.915	0.911	0.907	0.903	0.899	0.895	0.890
-3	0.932	0.929	0.926	0.923	0.919	0.916	0.912	0.908	0.904	0.900	0.896
-4	0.936	0.933	0.930	0.927	0.923	0.920	0.917	0.913	0.910	0.906	0.902
-5	0.939	0.936	0.933	0.931	0.928	0.925	0.921	0.918	0.915	0.911	0.908
-6	0.942	0.940	0.937	0.934	0.932	0.929	0.926	0.923	0.920	0.916	0.913
-7	0.946	0.943	0.941	0.938	0.936	0.933	0.930	0.927	0.925	0.921	0.918
-8	0.949	0.946	0.944	0.942	0.939	0.937	0.934	0.932	0.929	0.926	0.923
-9	0.952	0.949	0.947	0.945	0.943	0.941	0.938	0.936	0.933	0.931	0.928
-10	0.954	0.952	0.950	0.948	0.946	0.944	0.942	0.940	0.938	0.935	0.932
-11	0.957	0.955	0.953	0.952	0.950	0.948	0.946	0.944	0.941	0.939	0.937
-12	0.960	0.958	0.956	0.955	0.953	0.951	0.949	0.947	0.945	0.943	0.940
-13	0.962	0.960	0.959	0.957	0.956	0.954	0.952	0.950	0.948	0.946	0.944
-14	0.964	0.963	0.961	0.960	0.959	0.957	0.955	0.954	0.952	0.950	0.947
-15	0.967	0.965	0.964	0.963	0.961	0.960	0.958	0.956	0.955	0.953	0.950
-16	0.969	0.967	0.966	0.965	0.964	0.962	0.961	0.959	0.957	0.955	0.953
-17	0.971	0.970	0.968	0.967	0.966	0.965	0.963	0.962	0.960	0.958	0.956
-18	0.973	0.971	0.970	0.969	0.968	0.967	0.965	0.964	0.962	0.960	0.958
-19	0.974	0.973	0.972	0.971	0.970	0.969	0.967	0.966	0.964	0.962	0.960
-20	0.976	0.975	0.974	0.973	0.972	0.971	0.969	0.968	0.966	0.964	0.962
-21	0.978	0.977	0.976	0.975	0.973	0.972	0.971	0.969	0.968	0.966	0.964
-22	0.979	0.978	0.977	0.976	0.975	0.974	0.972	0.971	0.969	0.967	0.965
-23	0.980	0.979	0.978	0.977	0.976	0.975	0.974	0.972	0.971	0.969	0.967
-24	0.981	0.981	0.980	0.979	0.978	0.976	0.975	0.974	0.972	0.970	0.968
-25	0.983	0.982	0.981	0.980	0.979	0.978	0.976	0.975	0.973	0.971	0.969
-26	0.984	0.983	0.982	0.981	0.980	0.979	0.977	0.976	0.974	0.972	0.970
-27	0.984	0.984	0.983	0.982	0.981	0.979	0.978	0.977	0.975	0.973	0.971
-28	0.985	0.984	0.984	0.983	0.982	0.980	0.979	0.977	0.976	0.974	0.972
-29	0.986	0.985	0.984	0.983	0.982	0.981	0.980	0.978	0.977	0.975	0.972
-30	0.987	0.986	0.985	0.984	0.983	0.982	0.980	0.979	0.977	0.975	0.973
-31	0.987	0.986	0.986	0.985	0.984	0.982	0.981	0.979	0.978	0.976	0.974
-32	0.988	0.987	0.986	0.985	0.984	0.983	0.981	0.980	0.978	0.976	0.974
-33	0.988	0.988	0.987	0.986	0.985	0.983	0.982	0.980	0.979	0.977	0.974
-34	0.989	0.988	0.987	0.986	0.985	0.984	0.982	0.981	0.979	0.977	0.975
-35	0.989	0.988	0.987	0.986	0.985	0.984	0.983	0.981	0.979	0.978	0.975
Beneficiary older than Retiree -36	0.990	0.989	0.988	0.987	0.986	0.984	0.983	0.981	0.980	0.978	
-37	0.990	0.989	0.988	0.987	0.986	0.985	0.983	0.982	0.980		
-38	0.990	0.989	0.988	0.987	0.986	0.985	0.984	0.982			
Beneficiary older than Retiree -39	0.990	0.990	0.989	0.988	0.986	0.985	0.984				
-40	0.991	0.990	0.989	0.988	0.987	0.986					

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 9a: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Healthy Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity)

	Beneficiary Age Difference	Attained Age at Retirement										
		65	66	67	68	69	70	71	72	73	74	75
Beneficiary	-41	0.991	0.990	0.989	0.988	0.987						
older	-42	0.991	0.990	0.989	0.988							
than	-43	0.991	0.990	0.989								
Retiree	-44	0.991	0.990									
	-45	0.992										
	-46											
	-47											
	-48											
	-49											
	-50											
	-51											
	-52											
	-53											
	-54											
	-55											
	-56											
	-57											
	-58											
	-59											
	-60											
Beneficiary	-61											
older	-62											
than	-63											
Retiree	-64											
	-65											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 9b: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

Beneficiary Age Difference	Attained Age at Retirement																			
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Beneficiary 70																				
younger 69																				
than 68																				
Retiree 67																				
66																				
65																				
64																				
63																				
62																				
61																				
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46																				
45																				
44																				
43																				
42																				
41																				
40																				
39																				0.824
38																			0.825	0.824
37																		0.826	0.825	0.824
36																	0.827	0.826	0.825	0.825
Beneficiary 35																0.828	0.827	0.826	0.826	0.825
younger 34															0.829	0.828	0.827	0.827	0.826	0.825
than 33														0.829	0.828	0.828	0.827	0.827	0.826	0.825
Retiree 32													0.830	0.830	0.829	0.828	0.827	0.827	0.827	0.826
31											0.831	0.830	0.830	0.829	0.829	0.828	0.828	0.828	0.827	0.826

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 9b: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

Beneficiary Age Difference	Attained Age at Retirement																			
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Beneficiary younger than Retiree	30										0.831	0.831	0.831	0.830	0.830	0.829	0.829	0.828	0.827	0.827
	29									0.832	0.832	0.832	0.831	0.831	0.831	0.830	0.830	0.829	0.828	0.827
	28								0.832	0.832	0.832	0.832	0.831	0.831	0.831	0.830	0.830	0.829	0.828	0.827
	27							0.833	0.833	0.832	0.832	0.832	0.832	0.831	0.831	0.830	0.830	0.829	0.829	0.828
	26						0.833	0.833	0.833	0.833	0.832	0.832	0.832	0.832	0.831	0.831	0.830	0.830	0.829	0.829
	25					0.834	0.834	0.834	0.833	0.833	0.833	0.833	0.833	0.832	0.832	0.832	0.831	0.831	0.830	0.830
	24				0.834	0.834	0.834	0.834	0.834	0.834	0.833	0.833	0.833	0.833	0.832	0.832	0.832	0.831	0.831	0.830
	23			0.834	0.834	0.834	0.834	0.834	0.834	0.834	0.833	0.833	0.833	0.833	0.832	0.832	0.832	0.832	0.831	0.831
	22		0.835	0.835	0.835	0.835	0.835	0.834	0.834	0.834	0.834	0.834	0.834	0.833	0.833	0.833	0.833	0.832	0.832	0.831
	21	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.834	0.834	0.834	0.834	0.834	0.833	0.833	0.833	0.832	0.832
	20	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.834	0.834	0.834	0.834	0.834	0.833	0.833	0.832
	19	0.836	0.836	0.836	0.836	0.836	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.835	0.834	0.834	0.834	0.833	0.833
	18	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.835	0.835	0.835	0.835	0.835	0.834	0.834	0.833
	17	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.835	0.835	0.835	0.834
	16	0.836	0.836	0.836	0.836	0.837	0.837	0.837	0.837	0.837	0.837	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.836	0.835
	15	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.836	0.836
	14	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.837	0.838	0.838	0.838	0.838	0.837	0.837	0.837	0.837	0.837	0.837
	13	0.837	0.837	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838
	12	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.838	0.839	0.839	0.839	0.839	0.839	0.839	0.839	0.839	0.839	0.839	0.839
11	0.838	0.838	0.838	0.838	0.839	0.839	0.839	0.839	0.839	0.839	0.839	0.839	0.840	0.840	0.840	0.840	0.840	0.840	0.840	
10	0.838	0.839	0.839	0.839	0.839	0.839	0.839	0.840	0.840	0.840	0.840	0.840	0.840	0.840	0.841	0.841	0.841	0.841	0.841	
9	0.839	0.839	0.839	0.839	0.840	0.840	0.840	0.840	0.840	0.841	0.841	0.841	0.841	0.841	0.841	0.842	0.842	0.842	0.842	
8	0.839	0.839	0.840	0.840	0.840	0.840	0.840	0.841	0.841	0.841	0.841	0.842	0.842	0.842	0.842	0.842	0.843	0.843	0.843	
7	0.840	0.840	0.840	0.840	0.841	0.841	0.841	0.841	0.841	0.842	0.842	0.842	0.842	0.843	0.843	0.843	0.843	0.844	0.844	
6	0.840	0.840	0.841	0.841	0.841	0.841	0.842	0.842	0.842	0.843	0.843	0.843	0.844	0.844	0.844	0.844	0.845	0.845	0.845	
5	0.841	0.841	0.841	0.841	0.842	0.842	0.842	0.843	0.843	0.843	0.844	0.844	0.844	0.845	0.845	0.846	0.846	0.846	0.847	
4	0.841	0.841	0.842	0.842	0.842	0.843	0.843	0.843	0.844	0.844	0.845	0.845	0.845	0.846	0.846	0.847	0.847	0.848	0.848	
3	0.842	0.842	0.842	0.843	0.843	0.843	0.844	0.844	0.845	0.845	0.845	0.846	0.846	0.847	0.847	0.848	0.848	0.849	0.849	
2	0.842	0.843	0.843	0.843	0.844	0.844	0.845	0.845	0.845	0.846	0.846	0.847	0.847	0.848	0.848	0.849	0.850	0.850	0.851	
1	0.843	0.843	0.844	0.844	0.844	0.845	0.845	0.846	0.846	0.847	0.847	0.848	0.848	0.849	0.850	0.850	0.851	0.851	0.852	
Beneficiary same age as Retiree	0	0.843	0.844	0.844	0.845	0.845	0.846	0.846	0.847	0.847	0.848	0.848	0.849	0.850	0.850	0.851	0.852	0.853	0.854	

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 9b: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

Beneficiary Age Difference	Attained Age at Retirement																					
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39		
Beneficiary older than Retiree	-1	0.844	0.844	0.845	0.845	0.846	0.846	0.847	0.848	0.848	0.849	0.850	0.851	0.852	0.853	0.853	0.854	0.855	0.856	0.855	0.856	
	-2	0.845	0.845	0.846	0.846	0.847	0.847	0.848	0.848	0.849	0.850	0.851	0.852	0.852	0.853	0.854	0.855	0.856	0.856	0.857	0.858	0.859
	-3	0.845	0.846	0.846	0.847	0.847	0.848	0.849	0.849	0.850	0.851	0.852	0.852	0.853	0.854	0.855	0.856	0.857	0.858	0.859	0.860	0.861
	-4	0.846	0.846	0.847	0.848	0.848	0.849	0.850	0.850	0.851	0.852	0.853	0.853	0.854	0.855	0.856	0.857	0.858	0.859	0.860	0.861	0.862
	-5	0.847	0.847	0.848	0.849	0.849	0.850	0.851	0.851	0.852	0.853	0.854	0.855	0.856	0.856	0.857	0.858	0.859	0.861	0.862	0.862	0.863
	-6	0.847	0.848	0.849	0.849	0.850	0.851	0.852	0.853	0.853	0.854	0.855	0.856	0.857	0.858	0.859	0.860	0.861	0.862	0.863	0.864	0.864
	-7	0.848	0.849	0.850	0.850	0.851	0.852	0.853	0.853	0.854	0.855	0.856	0.857	0.858	0.859	0.860	0.861	0.863	0.864	0.865	0.866	0.866
	-8	0.849	0.850	0.850	0.851	0.852	0.853	0.854	0.855	0.856	0.856	0.857	0.859	0.860	0.861	0.862	0.863	0.864	0.866	0.867	0.868	0.868
	-9	0.850	0.851	0.851	0.852	0.853	0.854	0.855	0.856	0.857	0.858	0.859	0.860	0.861	0.862	0.863	0.865	0.866	0.867	0.869	0.870	0.870
	-10	0.851	0.851	0.852	0.853	0.854	0.855	0.856	0.857	0.858	0.859	0.860	0.861	0.862	0.864	0.865	0.866	0.868	0.869	0.870	0.872	0.872
	-11	0.852	0.852	0.853	0.854	0.855	0.856	0.857	0.858	0.859	0.860	0.861	0.863	0.864	0.865	0.867	0.868	0.869	0.871	0.872	0.874	0.874
	-12	0.852	0.853	0.854	0.855	0.856	0.857	0.858	0.859	0.860	0.862	0.863	0.864	0.866	0.867	0.868	0.870	0.871	0.873	0.874	0.876	0.876
	-13	0.853	0.854	0.855	0.856	0.857	0.858	0.859	0.861	0.862	0.863	0.864	0.866	0.867	0.868	0.870	0.871	0.873	0.875	0.876	0.878	0.878
	-14	0.854	0.855	0.856	0.857	0.858	0.860	0.861	0.862	0.863	0.864	0.866	0.867	0.869	0.870	0.872	0.873	0.875	0.876	0.878	0.880	0.880
	-15	0.855	0.856	0.857	0.859	0.860	0.861	0.862	0.863	0.865	0.866	0.867	0.869	0.870	0.872	0.873	0.875	0.877	0.878	0.880	0.882	0.882
-16	0.856	0.857	0.859	0.860	0.861	0.862	0.863	0.865	0.866	0.867	0.869	0.870	0.872	0.874	0.875	0.877	0.879	0.880	0.882	0.884	0.884	
-17	0.858	0.859	0.860	0.861	0.862	0.863	0.865	0.866	0.868	0.869	0.870	0.872	0.874	0.875	0.877	0.879	0.881	0.882	0.884	0.886	0.886	
-18	0.859	0.860	0.861	0.862	0.863	0.865	0.866	0.868	0.869	0.871	0.872	0.874	0.875	0.877	0.879	0.881	0.883	0.884	0.886	0.888	0.888	
-19	0.860	0.861	0.862	0.864	0.865	0.866	0.868	0.869	0.871	0.872	0.874	0.875	0.877	0.879	0.881	0.883	0.885	0.887	0.889	0.891	0.891	
-20	0.861	0.862	0.864	0.865	0.866	0.868	0.869	0.871	0.872	0.874	0.876	0.877	0.879	0.881	0.883	0.885	0.887	0.889	0.891	0.893	0.893	
-21	0.862	0.864	0.865	0.866	0.868	0.869	0.871	0.872	0.874	0.876	0.877	0.879	0.881	0.883	0.885	0.887	0.889	0.891	0.893	0.895	0.895	
-22	0.864	0.865	0.866	0.868	0.869	0.871	0.872	0.874	0.876	0.877	0.879	0.881	0.883	0.885	0.887	0.889	0.891	0.893	0.895	0.897	0.897	
-23	0.865	0.866	0.868	0.869	0.871	0.872	0.874	0.876	0.877	0.879	0.881	0.883	0.885	0.887	0.889	0.891	0.893	0.895	0.897	0.900	0.900	
-24	0.866	0.868	0.869	0.871	0.872	0.874	0.876	0.877	0.879	0.881	0.883	0.885	0.887	0.889	0.891	0.893	0.895	0.897	0.900	0.902	0.902	
-25	0.868	0.869	0.871	0.872	0.874	0.876	0.877	0.879	0.881	0.883	0.885	0.887	0.889	0.891	0.893	0.895	0.897	0.900	0.902	0.904	0.904	
-26	0.869	0.871	0.872	0.874	0.876	0.877	0.879	0.881	0.883	0.885	0.887	0.889	0.891	0.893	0.895	0.897	0.900	0.902	0.904	0.907	0.907	
-27	0.871	0.872	0.874	0.876	0.877	0.879	0.881	0.883	0.885	0.887	0.889	0.891	0.893	0.895	0.897	0.900	0.902	0.904	0.907	0.909	0.909	
-28	0.872	0.874	0.876	0.877	0.879	0.881	0.883	0.885	0.887	0.889	0.891	0.893	0.895	0.897	0.900	0.902	0.904	0.907	0.909	0.912	0.912	
-29	0.874	0.876	0.877	0.879	0.881	0.883	0.885	0.887	0.889	0.891	0.893	0.895	0.897	0.900	0.902	0.904	0.907	0.909	0.912	0.914	0.914	
-30	0.876	0.877	0.879	0.881	0.883	0.885	0.887	0.889	0.891	0.893	0.895	0.897	0.900	0.902	0.904	0.907	0.909	0.912	0.914	0.916	0.916	
-31	0.877	0.879	0.881	0.883	0.885	0.887	0.889	0.891	0.893	0.895	0.897	0.900	0.902	0.904	0.907	0.909	0.912	0.914	0.916	0.919	0.919	
-32	0.879	0.881	0.883	0.885	0.887	0.889	0.891	0.893	0.895	0.897	0.900	0.902	0.904	0.907	0.909	0.912	0.914	0.916	0.919	0.922	0.922	
-33	0.881	0.883	0.885	0.887	0.889	0.891	0.893	0.895	0.897	0.900	0.902	0.904	0.907	0.909	0.912	0.914	0.916	0.919	0.922	0.924	0.924	
-34	0.883	0.885	0.887	0.889	0.891	0.893	0.895	0.897	0.900	0.902	0.904	0.907	0.909	0.912	0.914	0.916	0.919	0.922	0.924	0.927	0.927	
-35	0.885	0.887	0.889	0.891	0.893	0.895	0.897	0.900	0.902	0.904	0.907	0.909	0.912	0.914	0.916	0.919	0.922	0.924	0.927	0.929	0.929	
Beneficiary older than Retiree	-36	0.887	0.889	0.891	0.893	0.895	0.897	0.900	0.902	0.904	0.907	0.909	0.912	0.914	0.916	0.919	0.922	0.924	0.927	0.929	0.932	
	-37	0.889	0.891	0.893	0.895	0.897	0.900	0.902	0.904	0.907	0.909	0.912	0.914	0.916	0.919	0.922	0.924	0.927	0.929	0.932	0.934	
	-38	0.891	0.893	0.895	0.897	0.900	0.902	0.904	0.907	0.909	0.912	0.914	0.916	0.919	0.922	0.924	0.927	0.929	0.932	0.934	0.937	
	-39	0.893	0.895	0.897	0.900	0.902	0.904	0.907	0.909	0.912	0.914	0.916	0.919	0.922	0.924	0.927	0.929	0.932	0.934	0.937	0.939	0.939
	-40	0.895	0.897	0.900	0.902	0.904	0.907	0.909	0.912	0.914	0.916	0.919	0.922	0.924	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.942

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 9b: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Beneficiary older than Retiree	-41	0.897	0.900	0.902	0.904	0.907	0.909	0.912	0.914	0.916	0.919	0.922	0.924	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.944
	-42	0.900	0.902	0.904	0.907	0.909	0.912	0.914	0.916	0.919	0.922	0.924	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947
	-43	0.902	0.904	0.907	0.909	0.912	0.914	0.916	0.919	0.922	0.924	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949
	-44	0.904	0.907	0.909	0.912	0.914	0.916	0.919	0.922	0.924	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.952
	-45	0.907	0.909	0.912	0.914	0.916	0.919	0.922	0.924	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.952	0.954
	-46	0.909	0.912	0.914	0.916	0.919	0.922	0.924	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.952	0.954	0.956
	-47	0.912	0.914	0.916	0.919	0.922	0.924	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.952	0.954	0.956	0.958
	-48	0.914	0.916	0.919	0.922	0.924	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960
	-49	0.916	0.919	0.922	0.924	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962
	-50	0.919	0.922	0.924	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964
-51	0.922	0.924	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.966	
-52	0.924	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	
-53	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	
-54	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	
-55	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	
-56	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	
-57	0.937	0.939	0.942	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	
-58	0.939	0.942	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	
-59	0.942	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	
-60	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	
-61	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	
-62	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	
-63	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	
-64	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	
-65	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	
-66	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	
-67	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	
-68	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	
-69	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	
-70	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	
-71	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981	
-72	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981		
-73	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981			
-74	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981				
-75	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981					
-76	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981						
-77	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981							
-78	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981								
-79	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981									
-80	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981										

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 9b: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Beneficiary	-81	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981										
older	-82	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981											
than	-83	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981												
Retiree	-84	0.979	0.979	0.980	0.980	0.980	0.981	0.981													
	-85	0.979	0.980	0.980	0.980	0.981	0.981														
	-86	0.980	0.980	0.980	0.981	0.981															
	-87	0.980	0.980	0.981	0.981																
	-88	0.980	0.981	0.981																	
	-89	0.981	0.981																		
	-90	0.981																			

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 9b: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

Beneficiary Age Difference	Attained Age at Retirement																			
	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
Beneficiary younger than Retiree 70																				
69																				
68																				
67																				
66																				
65																				
64																				
63																				
62																				
61																				
60																				
59																				0.761
58																			0.767	0.761
57																		0.773	0.767	0.761
56																	0.778	0.773	0.768	0.761
55																0.783	0.778	0.773	0.768	0.762
54															0.788	0.783	0.779	0.774	0.768	0.762
53														0.792	0.788	0.784	0.779	0.774	0.768	0.762
52													0.795	0.792	0.788	0.784	0.779	0.774	0.769	0.763
51												0.799	0.796	0.792	0.788	0.784	0.780	0.775	0.769	0.763
50											0.802	0.799	0.796	0.792	0.789	0.785	0.780	0.775	0.770	0.764
49										0.805	0.802	0.799	0.796	0.793	0.789	0.785	0.780	0.775	0.770	0.764
48								0.808	0.808	0.805	0.803	0.800	0.797	0.793	0.789	0.785	0.781	0.776	0.770	0.765
47								0.810	0.810	0.808	0.806	0.803	0.800	0.797	0.793	0.790	0.786	0.781	0.776	0.771
46							0.812	0.810	0.808	0.806	0.803	0.800	0.797	0.794	0.790	0.786	0.782	0.777	0.771	0.766
45						0.814	0.813	0.811	0.808	0.806	0.803	0.801	0.798	0.794	0.791	0.786	0.782	0.777	0.772	0.766
44					0.816	0.815	0.813	0.811	0.809	0.806	0.804	0.801	0.798	0.795	0.791	0.787	0.783	0.778	0.772	0.767
43				0.818	0.816	0.815	0.813	0.811	0.809	0.807	0.804	0.801	0.798	0.795	0.791	0.787	0.783	0.778	0.773	0.767
42			0.820	0.818	0.817	0.815	0.813	0.811	0.809	0.807	0.805	0.802	0.799	0.796	0.792	0.788	0.784	0.779	0.774	0.768
41		0.821	0.820	0.819	0.817	0.815	0.814	0.812	0.810	0.807	0.805	0.802	0.799	0.796	0.792	0.789	0.784	0.779	0.774	0.769
40	0.822	0.821	0.820	0.819	0.817	0.816	0.814	0.812	0.810	0.808	0.805	0.803	0.800	0.797	0.793	0.789	0.785	0.780	0.775	0.769
39	0.823	0.822	0.820	0.819	0.818	0.816	0.814	0.813	0.811	0.808	0.806	0.803	0.800	0.797	0.794	0.790	0.785	0.781	0.776	0.770
38	0.823	0.822	0.821	0.819	0.818	0.816	0.815	0.813	0.811	0.809	0.806	0.804	0.801	0.798	0.794	0.790	0.786	0.782	0.776	0.771
37	0.823	0.822	0.821	0.820	0.818	0.817	0.815	0.813	0.811	0.809	0.807	0.804	0.801	0.798	0.795	0.791	0.787	0.782	0.777	0.772
36	0.824	0.823	0.821	0.820	0.819	0.817	0.816	0.814	0.812	0.810	0.807	0.805	0.802	0.799	0.795	0.792	0.788	0.783	0.778	0.773
Beneficiary younger than Retiree 35	0.824	0.823	0.822	0.821	0.819	0.818	0.816	0.814	0.812	0.810	0.808	0.805	0.803	0.800	0.796	0.792	0.788	0.784	0.779	0.774
34	0.824	0.823	0.822	0.821	0.820	0.818	0.817	0.815	0.813	0.811	0.809	0.806	0.803	0.800	0.797	0.793	0.789	0.785	0.780	0.775
33	0.825	0.824	0.823	0.821	0.820	0.819	0.817	0.815	0.813	0.811	0.809	0.807	0.804	0.801	0.798	0.794	0.790	0.786	0.781	0.776
32	0.825	0.824	0.823	0.822	0.821	0.819	0.818	0.816	0.814	0.812	0.810	0.807	0.805	0.802	0.799	0.795	0.791	0.787	0.782	0.777
31	0.825	0.824	0.823	0.822	0.821	0.820	0.818	0.817	0.815	0.813	0.811	0.808	0.806	0.803	0.799	0.796	0.792	0.788	0.783	0.778

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 9b: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
Beneficiary younger than Retiree	30	0.826	0.825	0.824	0.823	0.822	0.820	0.819	0.817	0.815	0.813	0.811	0.809	0.806	0.804	0.800	0.797	0.793	0.789	0.784	0.779
	29	0.826	0.825	0.824	0.823	0.822	0.821	0.819	0.818	0.816	0.814	0.812	0.810	0.807	0.804	0.801	0.798	0.794	0.790	0.786	0.781
	28	0.827	0.826	0.825	0.824	0.823	0.821	0.820	0.819	0.817	0.815	0.813	0.811	0.808	0.805	0.802	0.799	0.795	0.791	0.787	0.782
	27	0.827	0.826	0.825	0.824	0.823	0.822	0.821	0.819	0.818	0.816	0.814	0.812	0.809	0.807	0.804	0.800	0.797	0.793	0.788	0.784
	26	0.828	0.827	0.826	0.825	0.824	0.823	0.821	0.820	0.818	0.817	0.815	0.813	0.810	0.808	0.805	0.802	0.798	0.794	0.790	0.785
	25	0.828	0.828	0.827	0.826	0.825	0.824	0.822	0.821	0.819	0.818	0.816	0.814	0.811	0.809	0.806	0.803	0.799	0.796	0.791	0.787
	24	0.829	0.828	0.827	0.826	0.825	0.824	0.823	0.822	0.820	0.819	0.817	0.815	0.813	0.810	0.807	0.804	0.801	0.797	0.793	0.788
	23	0.829	0.829	0.828	0.827	0.826	0.825	0.824	0.823	0.821	0.820	0.818	0.816	0.814	0.811	0.809	0.806	0.802	0.799	0.795	0.790
	22	0.830	0.829	0.829	0.828	0.827	0.826	0.825	0.824	0.822	0.821	0.819	0.817	0.815	0.813	0.810	0.807	0.804	0.801	0.797	0.792
	21	0.831	0.830	0.829	0.829	0.828	0.827	0.826	0.825	0.823	0.822	0.820	0.818	0.816	0.814	0.812	0.809	0.806	0.802	0.799	0.794
	20	0.831	0.831	0.830	0.830	0.829	0.828	0.827	0.826	0.824	0.823	0.821	0.820	0.818	0.816	0.813	0.811	0.808	0.804	0.801	0.796
	19	0.832	0.832	0.831	0.830	0.830	0.829	0.828	0.827	0.826	0.824	0.823	0.821	0.819	0.817	0.815	0.812	0.809	0.806	0.803	0.799
	18	0.833	0.833	0.832	0.831	0.831	0.830	0.829	0.828	0.827	0.826	0.824	0.823	0.821	0.819	0.817	0.814	0.811	0.808	0.805	0.801
	17	0.834	0.833	0.833	0.832	0.832	0.831	0.830	0.829	0.828	0.827	0.826	0.824	0.823	0.821	0.819	0.816	0.814	0.811	0.807	0.803
	16	0.835	0.834	0.834	0.833	0.833	0.832	0.831	0.831	0.830	0.828	0.827	0.826	0.824	0.822	0.820	0.818	0.816	0.813	0.810	0.806
	15	0.836	0.835	0.835	0.834	0.834	0.833	0.833	0.832	0.831	0.830	0.829	0.828	0.826	0.824	0.822	0.820	0.818	0.815	0.812	0.809
	14	0.837	0.836	0.836	0.836	0.835	0.835	0.834	0.833	0.832	0.832	0.831	0.829	0.828	0.826	0.825	0.823	0.820	0.818	0.815	0.812
	13	0.838	0.837	0.837	0.837	0.836	0.836	0.835	0.835	0.834	0.833	0.832	0.831	0.830	0.828	0.827	0.825	0.823	0.820	0.818	0.814
	12	0.839	0.838	0.838	0.838	0.838	0.837	0.837	0.836	0.836	0.835	0.834	0.833	0.832	0.831	0.829	0.827	0.825	0.823	0.820	0.817
	11	0.840	0.840	0.839	0.839	0.839	0.839	0.838	0.838	0.837	0.837	0.836	0.835	0.834	0.833	0.831	0.830	0.828	0.826	0.823	0.821
10	0.841	0.841	0.841	0.841	0.840	0.840	0.840	0.840	0.839	0.839	0.838	0.837	0.836	0.835	0.834	0.832	0.831	0.829	0.827	0.824	
9	0.842	0.842	0.842	0.842	0.842	0.842	0.842	0.841	0.841	0.841	0.840	0.839	0.839	0.838	0.837	0.835	0.834	0.832	0.830	0.827	
8	0.843	0.843	0.843	0.844	0.844	0.843	0.843	0.843	0.843	0.843	0.842	0.842	0.841	0.840	0.839	0.838	0.837	0.835	0.833	0.831	
7	0.845	0.845	0.845	0.845	0.845	0.845	0.845	0.845	0.845	0.845	0.844	0.844	0.843	0.843	0.842	0.841	0.840	0.838	0.836	0.834	
6	0.846	0.846	0.846	0.847	0.847	0.847	0.847	0.847	0.847	0.847	0.847	0.846	0.846	0.845	0.845	0.844	0.843	0.842	0.840	0.838	
5	0.847	0.848	0.848	0.848	0.848	0.849	0.849	0.849	0.849	0.849	0.849	0.849	0.849	0.848	0.848	0.847	0.846	0.845	0.844	0.842	
4	0.849	0.849	0.850	0.850	0.850	0.851	0.851	0.851	0.851	0.851	0.851	0.851	0.851	0.851	0.851	0.850	0.849	0.848	0.847	0.846	
3	0.850	0.851	0.851	0.852	0.852	0.853	0.853	0.853	0.853	0.854	0.854	0.854	0.854	0.854	0.854	0.853	0.853	0.852	0.851	0.850	
2	0.852	0.852	0.853	0.853	0.854	0.855	0.855	0.855	0.855	0.856	0.856	0.857	0.857	0.857	0.857	0.857	0.856	0.856	0.855	0.854	
1	0.853	0.854	0.855	0.855	0.856	0.857	0.857	0.857	0.858	0.858	0.859	0.859	0.860	0.860	0.860	0.860	0.860	0.859	0.859	0.858	
Beneficiary same age as Retiree	0	0.855	0.856	0.856	0.857	0.858	0.859	0.859	0.860	0.861	0.861	0.862	0.862	0.863	0.863	0.863	0.863	0.863	0.863	0.862	

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 9b: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

Beneficiary Age Difference	Attained Age at Retirement																				
	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	
Beneficiary older than Retiree	-1	0.857	0.857	0.858	0.859	0.860	0.861	0.862	0.862	0.863	0.864	0.865	0.865	0.866	0.866	0.867	0.867	0.867	0.867	0.866	
	-2	0.858	0.859	0.860	0.861	0.862	0.863	0.864	0.865	0.866	0.866	0.867	0.868	0.869	0.870	0.871	0.872	0.873	0.874	0.875	0.875
	-3	0.860	0.861	0.862	0.863	0.864	0.865	0.866	0.866	0.867	0.868	0.869	0.870	0.871	0.872	0.873	0.874	0.874	0.875	0.875	0.875
	-4	0.862	0.863	0.864	0.865	0.866	0.867	0.869	0.870	0.871	0.872	0.873	0.874	0.875	0.876	0.877	0.877	0.878	0.878	0.879	0.879
	-5	0.864	0.865	0.866	0.867	0.868	0.870	0.871	0.872	0.873	0.875	0.876	0.877	0.878	0.879	0.880	0.881	0.882	0.882	0.883	0.883
	-6	0.866	0.867	0.868	0.869	0.871	0.872	0.873	0.875	0.876	0.877	0.879	0.880	0.881	0.882	0.883	0.884	0.885	0.886	0.887	0.887
	-7	0.868	0.869	0.870	0.872	0.873	0.874	0.876	0.877	0.879	0.880	0.881	0.883	0.884	0.885	0.887	0.888	0.889	0.890	0.891	0.891
	-8	0.870	0.871	0.872	0.874	0.875	0.877	0.878	0.880	0.881	0.883	0.884	0.886	0.887	0.889	0.890	0.891	0.893	0.894	0.895	0.896
	-9	0.871	0.873	0.874	0.876	0.878	0.879	0.881	0.882	0.884	0.886	0.887	0.889	0.890	0.892	0.893	0.895	0.896	0.897	0.899	0.900
	-10	0.873	0.875	0.877	0.878	0.880	0.882	0.883	0.885	0.887	0.888	0.890	0.892	0.893	0.895	0.897	0.898	0.900	0.901	0.902	0.904
-11	0.876	0.877	0.879	0.880	0.882	0.884	0.886	0.888	0.889	0.891	0.893	0.895	0.897	0.898	0.900	0.902	0.903	0.905	0.906	0.908	
-12	0.878	0.879	0.881	0.883	0.885	0.886	0.888	0.890	0.892	0.894	0.896	0.898	0.900	0.901	0.903	0.905	0.906	0.908	0.910	0.911	
-13	0.880	0.881	0.883	0.885	0.887	0.889	0.891	0.893	0.895	0.897	0.899	0.901	0.903	0.905	0.906	0.908	0.910	0.912	0.914	0.915	
-14	0.882	0.884	0.885	0.887	0.889	0.891	0.893	0.895	0.897	0.899	0.901	0.904	0.906	0.908	0.910	0.912	0.914	0.915	0.917	0.919	
-15	0.884	0.886	0.888	0.890	0.892	0.894	0.896	0.898	0.900	0.902	0.904	0.906	0.909	0.911	0.913	0.915	0.917	0.919	0.921	0.922	
-16	0.886	0.888	0.890	0.892	0.894	0.896	0.898	0.900	0.903	0.905	0.907	0.909	0.911	0.914	0.916	0.918	0.920	0.922	0.924	0.926	
-17	0.888	0.890	0.892	0.894	0.897	0.899	0.901	0.903	0.905	0.908	0.910	0.912	0.914	0.917	0.919	0.921	0.923	0.925	0.927	0.929	
-18	0.890	0.893	0.895	0.897	0.899	0.901	0.903	0.906	0.908	0.910	0.913	0.915	0.917	0.920	0.922	0.924	0.926	0.929	0.931	0.933	
-19	0.893	0.895	0.897	0.899	0.901	0.904	0.906	0.908	0.911	0.913	0.915	0.918	0.920	0.922	0.925	0.927	0.929	0.932	0.934	0.936	
-20	0.895	0.897	0.899	0.902	0.904	0.906	0.908	0.911	0.913	0.916	0.918	0.920	0.923	0.925	0.928	0.930	0.932	0.935	0.937	0.939	
-21	0.897	0.899	0.902	0.904	0.906	0.909	0.911	0.913	0.916	0.918	0.921	0.923	0.926	0.928	0.931	0.933	0.935	0.938	0.940	0.942	
-22	0.900	0.902	0.904	0.906	0.909	0.911	0.914	0.916	0.919	0.921	0.923	0.926	0.928	0.931	0.933	0.936	0.938	0.941	0.943	0.945	
-23	0.902	0.904	0.907	0.909	0.911	0.914	0.916	0.919	0.921	0.924	0.926	0.929	0.931	0.934	0.936	0.938	0.941	0.943	0.945	0.947	
-24	0.904	0.907	0.909	0.911	0.914	0.916	0.919	0.921	0.924	0.926	0.929	0.931	0.934	0.936	0.939	0.941	0.944	0.946	0.948	0.950	
-25	0.907	0.909	0.911	0.914	0.916	0.919	0.921	0.924	0.926	0.929	0.931	0.934	0.937	0.939	0.941	0.944	0.946	0.948	0.951	0.953	
-26	0.909	0.911	0.914	0.916	0.919	0.921	0.924	0.926	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.946	0.949	0.951	0.953	0.955	
-27	0.911	0.914	0.916	0.919	0.921	0.924	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.951	0.953	0.955	0.957	
-28	0.914	0.916	0.919	0.921	0.924	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.951	0.953	0.956	0.958	0.959	
-29	0.916	0.919	0.922	0.924	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.951	0.954	0.956	0.958	0.960	0.962	
-30	0.919	0.922	0.924	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.951	0.954	0.956	0.958	0.960	0.962	0.963	
-31	0.922	0.924	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.951	0.954	0.956	0.958	0.960	0.962	0.964	0.965	
-32	0.924	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.951	0.954	0.956	0.958	0.960	0.962	0.964	0.965	0.967	
-33	0.927	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.965	0.967	0.968	
-34	0.929	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.965	0.967	0.968	0.970	
-35	0.932	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.965	0.967	0.968	0.970	0.971	
Beneficiary older than Retiree	-36	0.934	0.937	0.939	0.942	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.965	0.967	0.969	0.970	0.972	
	-37	0.937	0.939	0.942	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973
	-38	0.939	0.942	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974
	-39	0.942	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975
	-40	0.944	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 9b: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
Beneficiary	-41	0.947	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977
older	-42	0.949	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977
than	-43	0.952	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978
Retiree	-44	0.954	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978
	-45	0.956	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979
	-46	0.958	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979
	-47	0.960	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980
	-48	0.962	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980
	-49	0.964	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980
	-50	0.966	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981
	-51	0.967	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981
	-52	0.969	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981	
	-53	0.970	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.980	0.981	0.981	
	-54	0.971	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981			
	-55	0.972	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981				
	-56	0.973	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981					
	-57	0.974	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981						
	-58	0.975	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981							
	-59	0.976	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981								
	-60	0.977	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981									
	-61	0.977	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981										
	-62	0.978	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981											
	-63	0.978	0.979	0.979	0.980	0.980	0.980	0.981	0.981												
	-64	0.979	0.979	0.980	0.980	0.980	0.981	0.981													
	-65	0.979	0.980	0.980	0.980	0.981	0.981														
	-66	0.980	0.980	0.980	0.981	0.981															
	-67	0.980	0.980	0.981	0.981																
	-68	0.980	0.981	0.981																	
	-69	0.981	0.981																		
	-70	0.981																			
	-71																				
	-72																				
	-73																				
	-74																				
	-75																				
Beneficiary	-76																				
older	-77																				
than	-78																				
Retiree	-79																				
	-80																				

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 9b: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement																			
		40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
Beneficiary	-81																				
older	-82																				
than	-83																				
Retiree	-84																				
	-85																				
	-86																				
	-87																				
	-88																				
	-89																				
	-90																				

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 9b: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

Beneficiary Age Difference	Attained Age at Retirement										
	60	61	62	63	64	65	66	67	68	69	70
Beneficiary younger than Retiree											0.636
70											0.636
69										0.652	0.636
68									0.667	0.652	0.637
67								0.681	0.668	0.653	0.637
66							0.695	0.682	0.668	0.653	0.637
65						0.707	0.695	0.682	0.668	0.653	0.638
64					0.718	0.707	0.695	0.682	0.668	0.654	0.638
63				0.728	0.718	0.708	0.696	0.683	0.669	0.654	0.638
62			0.738	0.729	0.719	0.708	0.696	0.683	0.669	0.654	0.639
61		0.746	0.738	0.729	0.719	0.708	0.696	0.683	0.669	0.655	0.639
60	0.754	0.746	0.738	0.729	0.719	0.708	0.697	0.684	0.670	0.655	0.640
59	0.754	0.747	0.738	0.730	0.720	0.709	0.697	0.684	0.670	0.656	0.640
58	0.754	0.747	0.739	0.730	0.720	0.709	0.697	0.684	0.671	0.656	0.640
57	0.754	0.747	0.739	0.730	0.720	0.710	0.698	0.685	0.671	0.657	0.641
56	0.755	0.747	0.739	0.731	0.721	0.710	0.698	0.685	0.672	0.657	0.641
55	0.755	0.748	0.740	0.731	0.721	0.710	0.699	0.686	0.672	0.658	0.642
54	0.755	0.748	0.740	0.731	0.722	0.711	0.699	0.686	0.673	0.658	0.643
53	0.756	0.749	0.741	0.732	0.722	0.711	0.700	0.687	0.673	0.659	0.643
52	0.756	0.749	0.741	0.732	0.723	0.712	0.700	0.687	0.674	0.659	0.644
51	0.757	0.749	0.742	0.733	0.723	0.712	0.701	0.688	0.674	0.660	0.645
50	0.757	0.750	0.742	0.733	0.724	0.713	0.701	0.689	0.675	0.661	0.645
49	0.758	0.750	0.743	0.734	0.724	0.714	0.702	0.689	0.676	0.661	0.646
48	0.758	0.751	0.743	0.734	0.725	0.714	0.703	0.690	0.677	0.662	0.647
47	0.759	0.751	0.744	0.735	0.725	0.715	0.703	0.691	0.677	0.663	0.648
46	0.759	0.752	0.744	0.736	0.726	0.716	0.704	0.692	0.678	0.664	0.649
45	0.760	0.753	0.745	0.736	0.727	0.716	0.705	0.692	0.679	0.665	0.650
44	0.760	0.753	0.746	0.737	0.728	0.717	0.706	0.693	0.680	0.666	0.651
43	0.761	0.754	0.746	0.738	0.728	0.718	0.707	0.694	0.681	0.667	0.652
42	0.762	0.755	0.747	0.739	0.729	0.719	0.707	0.695	0.682	0.668	0.653
41	0.762	0.755	0.748	0.739	0.730	0.720	0.708	0.696	0.683	0.669	0.654
40	0.763	0.756	0.749	0.740	0.731	0.721	0.710	0.697	0.684	0.670	0.655
39	0.764	0.757	0.750	0.741	0.732	0.722	0.711	0.699	0.686	0.672	0.657
38	0.765	0.758	0.751	0.742	0.733	0.723	0.712	0.700	0.687	0.673	0.658
37	0.766	0.759	0.752	0.743	0.734	0.724	0.713	0.701	0.688	0.675	0.660
36	0.767	0.760	0.753	0.745	0.736	0.726	0.714	0.703	0.690	0.676	0.661
Beneficiary younger than Retiree											0.663
35	0.768	0.761	0.754	0.746	0.737	0.727	0.716	0.704	0.691	0.678	0.663
34	0.769	0.762	0.755	0.747	0.738	0.728	0.717	0.706	0.693	0.679	0.665
33	0.770	0.763	0.756	0.748	0.740	0.730	0.719	0.707	0.695	0.681	0.667
32	0.771	0.765	0.758	0.750	0.741	0.731	0.721	0.709	0.697	0.683	0.669
31	0.772	0.766	0.759	0.751	0.743	0.733	0.722	0.711	0.699	0.685	0.671

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 9b: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement										
		60	61	62	63	64	65	66	67	68	69	70
Beneficiary younger than Retiree	30	0.774	0.767	0.761	0.753	0.744	0.735	0.724	0.713	0.701	0.688	0.674
	29	0.775	0.769	0.762	0.755	0.746	0.737	0.726	0.715	0.703	0.690	0.676
	28	0.777	0.770	0.764	0.756	0.748	0.739	0.728	0.717	0.705	0.692	0.679
	27	0.778	0.772	0.766	0.758	0.750	0.741	0.731	0.720	0.708	0.695	0.681
	26	0.780	0.774	0.767	0.760	0.752	0.743	0.733	0.722	0.710	0.698	0.684
	25	0.782	0.776	0.769	0.762	0.754	0.745	0.735	0.725	0.713	0.701	0.687
	24	0.783	0.778	0.771	0.764	0.757	0.748	0.738	0.727	0.716	0.704	0.690
	23	0.785	0.780	0.774	0.767	0.759	0.750	0.741	0.730	0.719	0.707	0.694
	22	0.787	0.782	0.776	0.769	0.762	0.753	0.744	0.733	0.722	0.710	0.697
	21	0.790	0.784	0.778	0.772	0.764	0.756	0.747	0.736	0.726	0.714	0.701
	20	0.792	0.787	0.781	0.774	0.767	0.759	0.750	0.740	0.729	0.717	0.705
	19	0.794	0.789	0.784	0.777	0.770	0.762	0.753	0.743	0.733	0.721	0.709
	18	0.797	0.792	0.786	0.780	0.773	0.765	0.757	0.747	0.737	0.725	0.713
	17	0.799	0.795	0.789	0.783	0.776	0.769	0.760	0.751	0.741	0.730	0.718
	16	0.802	0.797	0.792	0.786	0.780	0.772	0.764	0.755	0.745	0.734	0.723
	15	0.805	0.800	0.795	0.790	0.783	0.776	0.768	0.759	0.749	0.739	0.728
	14	0.808	0.804	0.799	0.793	0.787	0.780	0.772	0.763	0.754	0.744	0.733
	13	0.811	0.807	0.802	0.797	0.791	0.784	0.776	0.768	0.759	0.749	0.738
	12	0.814	0.810	0.806	0.801	0.795	0.788	0.781	0.773	0.764	0.754	0.743
	11	0.817	0.814	0.810	0.805	0.799	0.793	0.786	0.777	0.769	0.759	0.749
10	0.821	0.817	0.813	0.809	0.803	0.797	0.790	0.783	0.774	0.765	0.755	
9	0.824	0.821	0.817	0.813	0.808	0.802	0.795	0.788	0.780	0.771	0.761	
8	0.828	0.825	0.822	0.817	0.813	0.807	0.800	0.793	0.785	0.777	0.767	
7	0.832	0.829	0.826	0.822	0.817	0.812	0.806	0.799	0.791	0.783	0.774	
6	0.836	0.833	0.830	0.826	0.822	0.817	0.811	0.804	0.797	0.789	0.780	
Beneficiary younger than Retiree	5	0.840	0.837	0.835	0.831	0.827	0.822	0.816	0.810	0.803	0.795	0.787
	4	0.844	0.842	0.839	0.836	0.832	0.827	0.822	0.816	0.809	0.802	0.794
	3	0.848	0.846	0.844	0.841	0.837	0.833	0.828	0.822	0.816	0.808	0.801
	2	0.852	0.851	0.848	0.846	0.842	0.838	0.833	0.828	0.822	0.815	0.808
	1	0.857	0.855	0.853	0.851	0.848	0.844	0.839	0.834	0.828	0.822	0.815
Beneficiary same age as Retiree	0	0.861	0.860	0.858	0.856	0.853	0.850	0.845	0.840	0.835	0.829	0.822

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
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Table 9b: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement										
		60	61	62	63	64	65	66	67	68	69	70
Beneficiary older than Retiree	-1	0.865	0.864	0.863	0.861	0.858	0.855	0.851	0.847	0.842	0.836	0.830
	-2	0.870	0.869	0.868	0.866	0.864	0.861	0.857	0.853	0.848	0.843	0.837
	-3	0.874	0.874	0.873	0.871	0.869	0.866	0.863	0.859	0.855	0.850	0.844
	-4	0.879	0.878	0.877	0.876	0.874	0.872	0.869	0.865	0.861	0.857	0.851
	-5	0.883	0.883	0.882	0.881	0.880	0.878	0.875	0.872	0.868	0.863	0.859
	-6	0.887	0.887	0.887	0.886	0.885	0.883	0.881	0.878	0.874	0.870	0.866
	-7	0.892	0.892	0.892	0.891	0.890	0.889	0.887	0.884	0.881	0.877	0.872
	-8	0.896	0.897	0.897	0.896	0.896	0.894	0.892	0.890	0.887	0.883	0.879
	-9	0.900	0.901	0.901	0.901	0.901	0.899	0.898	0.895	0.893	0.890	0.886
	-10	0.905	0.905	0.906	0.906	0.906	0.905	0.903	0.901	0.899	0.896	0.892
	-11	0.909	0.910	0.910	0.910	0.910	0.910	0.908	0.907	0.904	0.902	0.898
	-12	0.913	0.914	0.914	0.915	0.915	0.914	0.913	0.912	0.910	0.907	0.904
	-13	0.917	0.918	0.919	0.919	0.919	0.919	0.918	0.917	0.915	0.913	0.910
	-14	0.920	0.922	0.923	0.923	0.924	0.924	0.923	0.922	0.920	0.918	0.915
	-15	0.924	0.925	0.927	0.928	0.928	0.928	0.927	0.926	0.925	0.923	0.920
-16	0.928	0.929	0.930	0.931	0.932	0.932	0.932	0.931	0.929	0.928	0.925	
-17	0.931	0.933	0.934	0.935	0.936	0.936	0.936	0.935	0.934	0.932	0.930	
-18	0.934	0.936	0.938	0.939	0.940	0.940	0.940	0.939	0.938	0.936	0.934	
-19	0.938	0.939	0.941	0.942	0.943	0.943	0.943	0.943	0.942	0.940	0.938	
-20	0.941	0.943	0.944	0.945	0.946	0.947	0.947	0.946	0.945	0.943	0.941	
-21	0.944	0.946	0.947	0.949	0.949	0.950	0.950	0.949	0.948	0.947	0.944	
-22	0.947	0.948	0.950	0.951	0.952	0.953	0.953	0.952	0.951	0.950	0.947	
-23	0.949	0.951	0.953	0.954	0.955	0.956	0.955	0.955	0.954	0.952	0.950	
-24	0.952	0.954	0.955	0.957	0.958	0.958	0.958	0.957	0.956	0.955	0.953	
-25	0.955	0.956	0.958	0.959	0.960	0.960	0.960	0.960	0.959	0.957	0.955	
-26	0.957	0.959	0.960	0.961	0.962	0.963	0.962	0.962	0.961	0.959	0.957	
-27	0.959	0.961	0.962	0.963	0.964	0.965	0.964	0.964	0.963	0.961	0.959	
-28	0.961	0.963	0.964	0.965	0.966	0.966	0.966	0.965	0.964	0.963	0.960	
-29	0.963	0.965	0.966	0.967	0.968	0.968	0.968	0.967	0.966	0.964	0.962	
-30	0.965	0.966	0.968	0.968	0.969	0.969	0.969	0.968	0.967	0.965	0.963	
-31	0.967	0.968	0.969	0.970	0.971	0.971	0.970	0.970	0.968	0.967	0.964	
-32	0.968	0.969	0.970	0.971	0.972	0.972	0.971	0.971	0.970	0.968	0.965	
-33	0.970	0.971	0.972	0.972	0.973	0.973	0.972	0.972	0.970	0.969	0.966	
-34	0.971	0.972	0.973	0.973	0.974	0.974	0.973	0.973	0.971	0.970	0.967	
-35	0.972	0.973	0.974	0.974	0.975	0.975	0.974	0.973	0.972	0.970	0.968	
Beneficiary older than Retiree	-36	0.973	0.974	0.975	0.975	0.976	0.976	0.975	0.974	0.973	0.971	0.968
	-37	0.974	0.975	0.976	0.976	0.976	0.976	0.975	0.973	0.971	0.969	
	-38	0.975	0.976	0.976	0.977	0.977	0.977	0.976	0.975	0.974	0.972	0.970
	-39	0.976	0.977	0.977	0.977	0.978	0.977	0.977	0.976	0.974	0.973	0.970
	-40	0.977	0.977	0.978	0.978	0.978	0.978	0.977	0.976	0.975	0.973	0.971

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
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Table 9b: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement										
		60	61	62	63	64	65	66	67	68	69	70
Beneficiary	-41	0.977	0.978	0.978	0.978	0.978	0.978	0.978	0.977	0.975	0.974	
older	-42	0.978	0.978	0.979	0.979	0.979	0.979	0.978	0.977	0.976		
than	-43	0.978	0.979	0.979	0.979	0.979	0.979	0.978	0.977			
Retiree	-44	0.979	0.979	0.979	0.980	0.980	0.979	0.979				
	-45	0.979	0.980	0.980	0.980	0.980	0.980					
	-46	0.980	0.980	0.980	0.980	0.980						
	-47	0.980	0.980	0.980	0.981							
	-48	0.980	0.980	0.981								
	-49	0.981	0.981									
	-50	0.981										
	-51											
	-52											
	-53											
	-54											
	-55											
	-56											
	-57											
	-58											
	-59											
	-60											
	-61											
	-62											
	-63											
	-64											
	-65											
	-66											
	-67											
	-68											
	-69											
	-70											
	-71											
	-72											
	-73											
	-74											
	-75											
Beneficiary	-76											
older	-77											
than	-78											
Retiree	-79											
	-80											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 9b: 50% Joint and Survivor Annuity with Pop-up Feature - Option 3A - Disabled Members
 (Factor Multiplied by Option 1 Non-Refund Life Annuity for Disabled Members)

	Beneficiary Age Difference	Attained Age at Retirement										
		60	61	62	63	64	65	66	67	68	69	70
Beneficiary	-81											
older	-82											
than	-83											
Retiree	-84											
	-85											
	-86											
	-87											
	-88											
	-89											
	-90											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 10: P&F Additional Unit Benefits - After Age 60 - Healthy and Disabled Members (Tier 1 / Tier 2 only)
 (Amount of Monthly Annuity per \$1,000 Paid by Member - Member's Portion Only)

No. of Months Units are Paid, up to Age 65	Factor	No. of Months Units are Paid, up to Age 65	Factor
1	1,000.00	31	35.46
2	501.60	32	34.46
3	335.47	33	33.52
4	252.41	34	32.63
5	202.57	35	31.80
6	169.35	36	31.01
7	145.62	37	30.26
8	127.82	38	29.56
9	113.98	39	28.89
10	102.91	40	28.25
11	93.85	41	27.65
12	86.30	42	27.07
13	79.92	43	26.52
14	74.44	44	26.00
15	69.70	45	25.50
16	65.55	46	25.02
17	61.89	47	24.57
18	58.64	48	24.13
19	55.72	49	23.71
20	53.10	50	23.30
21	50.73	51	22.92
22	48.58	52	22.54
23	46.61	53	22.18
24	44.81	54	21.84
25	43.15	55	21.51
26	41.62	56	21.19
27	40.21	57	20.88
28	38.89	58	20.58
29	37.67	59	20.29
30	36.53	60	20.01

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 11: P&F Additional Unit Benefits - Before Age 60 - Healthy and Disabled Members (Tier 1 / Tier 2 only)
 (Amount of Monthly Annuity per \$1,000 - Member's Portion Plus Matching Employer Portion)

No. of Months Units are Paid, up to Age 65		No. of Months Units are Paid, up to Age 65		No. of Months Units are Paid, up to Age 65		No. of Months Units are Paid, up to Age 65		No. of Months Units are Paid, up to Age 65		No. of Months Units are Paid, up to Age 65	
	Factor		Factor		Factor		Factor		Factor		Factor
60	40.03	90	29.16	120	23.82	150	20.69	180	18.67	210	17.28
61	39.49	91	28.92	121	23.69	151	20.61	181	18.62	211	17.24
62	38.97	92	28.69	122	23.56	152	20.53	182	18.56	212	17.20
63	38.47	93	28.46	123	23.43	153	20.45	183	18.51	213	17.16
64	37.98	94	28.24	124	23.31	154	20.37	184	18.46	214	17.13
65	37.51	95	28.02	125	23.19	155	20.30	185	18.40	215	17.09
66	37.05	96	27.81	126	23.07	156	20.22	186	18.35	216	17.05
67	36.60	97	27.60	127	22.95	157	20.15	187	18.30	217	17.02
68	36.17	98	27.40	128	22.83	158	20.07	188	18.25	218	16.98
69	35.76	99	27.20	129	22.72	159	20.00	189	18.20	219	16.95
70	35.35	100	27.01	130	22.61	160	19.93	190	18.15	220	16.91
71	34.96	101	26.82	131	22.50	161	19.86	191	18.10	221	16.88
72	34.57	102	26.63	132	22.39	162	19.79	192	18.06	222	16.84
73	34.20	103	26.45	133	22.28	163	19.72	193	18.01	223	16.81
74	33.84	104	26.27	134	22.18	164	19.65	194	17.96	224	16.77
75	33.48	105	26.09	135	22.07	165	19.58	195	17.92	225	16.74
76	33.14	106	25.92	136	21.97	166	19.52	196	17.87	226	16.71
77	32.81	107	25.75	137	21.87	167	19.45	197	17.82	227	16.67
78	32.48	108	25.58	138	21.77	168	19.39	198	17.78	228	16.64
79	32.17	109	25.42	139	21.67	169	19.32	199	17.74	229	16.61
80	31.86	110	25.26	140	21.58	170	19.26	200	17.69	230	16.58
81	31.56	111	25.11	141	21.48	171	19.20	201	17.65	231	16.55
82	31.26	112	24.95	142	21.39	172	19.14	202	17.61	232	16.52
83	30.98	113	24.80	143	21.30	173	19.08	203	17.56	233	16.49
84	30.70	114	24.65	144	21.21	174	19.02	204	17.52	234	16.45
85	30.43	115	24.51	145	21.12	175	18.96	205	17.48	235	16.42
86	30.16	116	24.36	146	21.03	176	18.90	206	17.44	236	16.39
87	29.90	117	24.22	147	20.94	177	18.84	207	17.40	237	16.37
88	29.65	118	24.09	148	20.86	178	18.78	208	17.36	238	16.34
89	29.40	119	23.95	149	20.78	179	18.73	209	17.32	239	16.31
										240	16.28

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 12: P&F Additional Unit Purchases by Payroll Deductions - Healthy and Disabled Members (Tier 1 / Tier 2 only)
 (Based on a Purchase of 8 Units and a Monthly Payroll Period)

Age	Months of Attained Age at Commencement of Payroll Deduction											
	0	1	2	3	4	5	6	7	8	9	10	11
20	1.24	1.25	1.26	1.27	1.28	1.28	1.29	1.30	1.31	1.32	1.33	1.34
21	1.35	1.36	1.36	1.37	1.38	1.39	1.40	1.41	1.42	1.43	1.44	1.45
22	1.46	1.47	1.48	1.49	1.50	1.51	1.52	1.53	1.54	1.55	1.56	1.57
23	1.58	1.60	1.61	1.62	1.63	1.64	1.65	1.66	1.67	1.68	1.70	1.71
24	1.72	1.73	1.74	1.76	1.77	1.78	1.79	1.80	1.82	1.83	1.84	1.85
25	1.87	1.88	1.89	1.91	1.92	1.93	1.95	1.96	1.97	1.99	2.00	2.01
26	2.03	2.04	2.06	2.07	2.09	2.10	2.11	2.13	2.14	2.16	2.17	2.19
27	2.20	2.22	2.24	2.25	2.27	2.28	2.30	2.31	2.33	2.35	2.36	2.38
28	2.40	2.41	2.43	2.45	2.47	2.48	2.50	2.52	2.54	2.55	2.57	2.59
29	2.61	2.63	2.65	2.66	2.68	2.70	2.72	2.74	2.76	2.78	2.80	2.82
30	2.84	2.86	2.88	2.90	2.92	2.94	2.96	2.99	3.01	3.03	3.05	3.07
31	3.09	3.12	3.14	3.16	3.18	3.21	3.23	3.25	3.28	3.30	3.33	3.35
32	3.37	3.40	3.42	3.45	3.47	3.50	3.52	3.55	3.58	3.60	3.63	3.66
33	3.68	3.71	3.74	3.76	3.79	3.82	3.85	3.88	3.91	3.94	3.96	3.99
34	4.02	4.05	4.08	4.11	4.14	4.18	4.21	4.24	4.27	4.30	4.33	4.37
35	4.40	4.43	4.47	4.50	4.53	4.57	4.60	4.64	4.67	4.71	4.75	4.78
36	4.82	4.86	4.89	4.93	4.97	5.01	5.04	5.08	5.12	5.16	5.20	5.24
37	5.28	5.32	5.37	5.41	5.45	5.49	5.53	5.58	5.62	5.67	5.71	5.76
38	5.80	5.85	5.89	5.94	5.99	6.03	6.08	6.13	6.18	6.23	6.28	6.33
39	6.38	6.43	6.48	6.54	6.59	6.64	6.70	6.75	6.80	6.86	6.92	6.97

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 12: P&F Additional Unit Purchases by Payroll Deductions - Healthy and Disabled Members (Tier 1 / Tier 2 only)
 (Based on a Purchase of 8 Units and a Monthly Payroll Period)

Age	Months of Attained Age at Commencement of Payroll Deduction											
	0	1	2	3	4	5	6	7	8	9	10	11
40	7.03	7.09	7.15	7.20	7.26	7.32	7.38	7.45	7.51	7.57	7.63	7.70
41	7.76	7.83	7.89	7.96	8.03	8.09	8.16	8.23	8.30	8.37	8.44	8.52
42	8.59	8.66	8.74	8.81	8.89	8.97	9.05	9.12	9.20	9.28	9.37	9.45
43	9.53	9.62	9.70	9.79	9.87	9.96	10.05	10.14	10.23	10.33	10.42	10.51
44	10.61	10.71	10.80	10.90	11.00	11.10	11.21	11.31	11.41	11.52	11.63	11.74
45	11.85	11.96	12.07	12.19	12.30	12.42	12.54	12.66	12.78	12.91	13.03	13.16
46	13.29	13.42	13.55	13.68	13.82	13.95	14.09	14.23	14.38	14.52	14.67	14.82
47	14.97	15.12	15.27	15.43	15.59	15.75	15.92	16.08	16.25	16.42	16.60	16.77
48	16.95	17.13	17.32	17.51	17.70	17.89	18.08	18.28	18.49	18.69	18.90	19.11
49	19.33	19.55	19.77	19.99	20.22	20.46	20.69	20.94	21.18	21.43	21.69	21.94
50	22.21	22.47	22.75	23.02	23.31	23.59	23.89	24.18	24.49	24.80	25.11	25.43
51	25.76	26.10	26.44	26.78	27.14	27.50	27.87	28.24	28.63	29.02	29.42	29.83
52	30.24	30.67	31.11	31.55	32.01	32.47	32.95	33.44	33.94	34.45	34.97	35.51
53	36.05	36.62	37.19	37.78	38.39	39.01	39.65	40.30	40.97	41.66	42.37	43.10
54	43.85	44.62	45.42	46.24	47.08	47.94	48.84	49.76	50.71	51.69	52.71	53.75
55	54.84	55.96	57.12	58.32	59.56	60.85	62.19	63.57	65.02	66.52	68.08	69.70
56	71.39	73.16	75.00	76.92	78.94	81.04	83.25	85.57	88.00	90.56	93.26	96.10
57	99.09	102.27	105.62	109.19	112.97	117.00	121.31	125.90	130.83	136.13	141.83	147.99
58	154.66	161.92	169.84	178.51	188.05	198.60	210.32	223.42	238.16	254.86	273.96	295.99
59	321.70	352.09	388.55	433.13	488.85	560.49	656.02	789.77	990.40	1324.79	1993.59	4000.00

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 13a: Full Cost Factors for Purchasing Service - Factor 1 - Healthy Members (Tier 1 / Tier 2 only)
(Present value of \$1 of increased benefit beginning at retirement age)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
45	184.73	184.61	184.49	184.37	184.25	184.13	184.01	183.89	183.77	183.65	183.53	183.41
46	183.29	183.16	183.04	182.91	182.78	182.66	182.53	182.40	182.28	182.15	182.02	181.90
47	181.77	181.64	181.50	181.37	181.24	181.10	180.97	180.84	180.70	180.57	180.44	180.30
48	180.17	180.03	179.89	179.75	179.61	179.47	179.33	179.19	179.05	178.91	178.77	178.63
49	178.49	178.34	178.19	178.05	177.90	177.75	177.60	177.45	177.30	177.16	177.01	176.86
50	176.71	176.56	176.40	176.25	176.09	175.94	175.78	175.63	175.47	175.32	175.16	175.01
51	174.85	174.69	174.52	174.36	174.20	174.03	173.87	173.71	173.54	173.38	173.22	173.05
52	172.89	172.72	172.55	172.38	172.21	172.04	171.87	171.70	171.53	171.36	171.19	171.02
53	170.85	170.67	170.49	170.31	170.13	169.95	169.78	169.60	169.42	169.24	169.06	168.88
54	168.70	168.51	168.33	168.14	167.95	167.76	167.58	167.39	167.20	167.01	166.83	166.64
55	166.45	166.25	166.06	165.86	165.67	165.47	165.28	165.08	164.88	164.69	164.49	164.30
56	164.10	163.90	163.69	163.49	163.29	163.08	162.88	162.68	162.47	162.27	162.07	161.86
57	161.66	161.45	161.24	161.03	160.82	160.61	160.40	160.18	159.97	159.76	159.55	159.34
58	159.13	158.91	158.69	158.47	158.25	158.03	157.81	157.59	157.37	157.15	156.93	156.71
59	156.49	156.26	156.03	155.81	155.58	155.35	155.12	154.89	154.66	154.44	154.21	153.98
60	153.75	153.51	153.28	153.04	152.80	152.56	152.33	152.09	151.85	151.61	151.38	151.14
61	150.90	150.66	150.41	150.17	149.92	149.68	149.43	149.19	148.94	148.70	148.45	148.21
62	147.96	147.71	147.46	147.21	146.95	146.70	146.45	146.20	145.95	145.70	145.44	145.19
63	144.94	144.68	144.42	144.17	143.91	143.65	143.39	143.13	142.87	142.62	142.36	142.10
64	141.84	141.58	141.31	141.05	140.78	140.52	140.25	139.99	139.72	139.46	139.19	138.93
65	138.66	138.39	138.12	137.85	137.58	137.31	137.04	136.76	136.49	136.22	135.95	135.68
66	135.41	135.13	134.86	134.58	134.31	134.03	133.76	133.48	133.20	132.93	132.65	132.38
67	132.10	131.82	131.54	131.26	130.97	130.69	130.41	130.13	129.85	129.57	129.28	129.00
68	128.72	128.43	128.14	127.86	127.57	127.28	126.99	126.70	126.41	126.13	125.84	125.55
69	125.26	124.96	124.67	124.37	124.08	123.78	123.49	123.19	122.89	122.60	122.30	122.01
70	121.71	121.41	121.11	120.81	120.50	120.20	119.90	119.60	119.30	119.00	118.69	118.39
71	118.09	117.78	117.48	117.17	116.86	116.55	116.25	115.94	115.63	115.32	115.02	114.71
72	114.40	114.09	113.78	113.46	113.15	112.84	112.53	112.21	111.90	111.59	111.28	110.96
73	110.65	110.33	110.02	109.70	109.38	109.06	108.75	108.43	108.11	107.79	107.48	107.16
74	106.84	106.52	106.20	105.88	105.55	105.23	104.91	104.59	104.27	103.95	103.62	103.30

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 13a: Full Cost Factors for Purchasing Service - Factor 1 - Healthy Members (Tier 1 / Tier 2 only)
(Present value of \$1 of increased benefit beginning at retirement age)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
75	102.98	102.66	102.33	102.01	101.68	101.36	101.03	100.71	100.38	100.06	99.73	99.41
76	99.08	98.75	98.43	98.10	97.77	97.44	97.12	96.79	96.46	96.13	95.81	95.48
77	95.15	94.82	94.49	94.17	93.84	93.51	93.18	92.85	92.52	92.20	91.87	91.54
78	91.21	90.88	90.55	90.23	89.90	89.57	89.24	88.91	88.58	88.26	87.93	87.60
79	87.27	86.94	86.62	86.29	85.96	85.64	85.31	84.98	84.66	84.33	84.00	83.68
80	83.35	83.02	82.70	82.37	82.05	81.72	81.40	81.07	80.74	80.42	80.09	79.77
81	79.44	79.12	78.80	78.48	78.15	77.83	77.51	77.19	76.87	76.55	76.22	75.90
82	75.58	75.26	74.95	74.63	74.31	74.00	73.68	73.36	73.05	72.73	72.41	72.10
83	71.78	71.47	71.16	70.85	70.53	70.22	69.91	69.60	69.29	68.98	68.66	68.35
84	68.04	67.74	67.43	67.13	66.83	66.52	66.22	65.92	65.61	65.31	65.01	64.70
85	64.40	64.11	63.81	63.52	63.22	62.93	62.63	62.34	62.04	61.75	61.45	61.16
86	60.86	60.58	60.29	60.01	59.72	59.44	59.16	58.87	58.59	58.30	58.02	57.73
87	57.45	57.18	56.91	56.64	56.37	56.10	55.83	55.56	55.29	55.02	54.75	54.48
88	54.21	53.96	53.70	53.45	53.20	52.94	52.69	52.44	52.18	51.93	51.68	51.42
89	51.17	50.93	50.70	50.46	50.22	49.99	49.75	49.51	49.28	49.04	48.80	48.57
90	48.33	48.11	47.90	47.68	47.46	47.24	47.03	46.81	46.59	46.37	46.16	45.94
91	45.72	45.52	45.32	45.12	44.91	44.71	44.51	44.31	44.11	43.91	43.70	43.50
92	43.30	43.12	42.93	42.75	42.56	42.38	42.19	42.01	41.82	41.64	41.45	41.27
93	41.08	40.91	40.74	40.57	40.40	40.23	40.07	39.90	39.73	39.56	39.39	39.22
94	39.05	38.89	38.74	38.58	38.42	38.26	38.11	37.95	37.79	37.63	37.48	37.32
95	37.16	37.02	36.87	36.73	36.58	36.44	36.29	36.15	36.00	35.86	35.71	35.57
96	35.42	35.30	35.17	35.05	34.92	34.80	34.67	34.55	34.42	34.30	34.17	34.05
97	33.92	33.81	33.70	33.59	33.48	33.37	33.27	33.16	33.05	32.94	32.83	32.72
98	32.61	32.52	32.42	32.33	32.23	32.14	32.05	31.95	31.86	31.76	31.67	31.57
99	31.48	31.39	31.31	31.22	31.13	31.05	30.96	30.87	30.79	30.70	30.61	30.53
100	30.44											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 13b: Full Cost Factors for Purchasing Service - Factor 1 - Disabled Members (Tier 1 / Tier 2 only)
(Present value of \$1 of increased benefit beginning at retirement age)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
45	143.25	143.20	143.15	143.10	143.05	143.00	142.95	142.89	142.84	142.79	142.74	142.69
46	142.64	142.58	142.53	142.47	142.42	142.36	142.31	142.25	142.19	142.14	142.08	142.03
47	141.97	141.91	141.85	141.79	141.73	141.67	141.61	141.55	141.49	141.43	141.37	141.31
48	141.25	141.18	141.12	141.05	140.99	140.92	140.86	140.79	140.72	140.66	140.59	140.53
49	140.46	140.39	140.32	140.25	140.18	140.11	140.04	139.96	139.89	139.82	139.75	139.68
50	139.61	139.53	139.46	139.38	139.30	139.23	139.15	139.07	139.00	138.92	138.84	138.77
51	138.69	138.61	138.53	138.44	138.36	138.28	138.20	138.11	138.03	137.95	137.87	137.78
52	137.70	137.61	137.52	137.43	137.34	137.25	137.16	137.07	136.98	136.89	136.80	136.71
53	136.62	136.52	136.43	136.33	136.23	136.13	136.04	135.94	135.84	135.74	135.65	135.55
54	135.45	135.34	135.24	135.13	135.03	134.92	134.82	134.71	134.60	134.50	134.39	134.29
55	134.18	134.07	133.95	133.84	133.72	133.61	133.50	133.38	133.27	133.15	133.04	132.92
56	132.81	132.69	132.56	132.44	132.32	132.19	132.07	131.95	131.82	131.70	131.58	131.45
57	131.33	131.20	131.06	130.93	130.79	130.66	130.53	130.39	130.26	130.12	129.99	129.85
58	129.72	129.58	129.43	129.29	129.14	129.00	128.85	128.71	128.56	128.42	128.27	128.13
59	127.98	127.82	127.67	127.51	127.35	127.19	127.04	126.88	126.72	126.56	126.41	126.25
60	126.09	125.92	125.75	125.58	125.41	125.24	125.07	124.89	124.72	124.55	124.38	124.21
61	124.04	123.86	123.67	123.49	123.30	123.12	122.94	122.75	122.57	122.38	122.20	122.01
62	121.83	121.63	121.43	121.23	121.03	120.83	120.63	120.43	120.23	120.03	119.83	119.63
63	119.43	119.21	119.00	118.78	118.56	118.35	118.13	117.91	117.70	117.48	117.26	117.05
64	116.83	116.60	116.36	116.13	115.89	115.66	115.43	115.19	114.96	114.72	114.49	114.25
65	114.02	113.77	113.51	113.26	113.00	112.75	112.50	112.24	111.99	111.73	111.48	111.22
66	110.97	110.70	110.44	110.17	109.90	109.63	109.37	109.10	108.83	108.56	108.30	108.03
67	107.76	107.48	107.20	106.92	106.64	106.36	106.08	105.80	105.52	105.24	104.96	104.68
68	104.40	104.11	103.82	103.53	103.23	102.94	102.65	102.36	102.07	101.78	101.48	101.19
69	100.90	100.60	100.30	99.99	99.69	99.39	99.09	98.78	98.48	98.18	97.88	97.57
70	97.27	96.97	96.66	96.36	96.06	95.75	95.45	95.15	94.84	94.54	94.24	93.93
71	93.63	93.33	93.02	92.72	92.41	92.11	91.81	91.50	91.20	90.89	90.59	90.28
72	89.98	89.68	89.37	89.07	88.76	88.46	88.16	87.85	87.55	87.24	86.94	86.63
73	86.33	86.03	85.72	85.42	85.11	84.81	84.51	84.20	83.90	83.59	83.29	82.98
74	82.68	82.38	82.07	81.77	81.46	81.16	80.86	80.55	80.25	79.94	79.64	79.33

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 13b: Full Cost Factors for Purchasing Service - Factor 1 - Disabled Members (Tier 1 / Tier 2 only)
(Present value of \$1 of increased benefit beginning at retirement age)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
75	79.03	78.73	78.43	78.13	77.82	77.52	77.22	76.92	76.62	76.32	76.01	75.71
76	75.41	75.11	74.81	74.52	74.22	73.92	73.62	73.32	73.02	72.73	72.43	72.13
77	71.83	71.54	71.24	70.95	70.65	70.36	70.07	69.77	69.48	69.18	68.89	68.59
78	68.30	68.01	67.73	67.44	67.15	66.86	66.58	66.29	66.00	65.71	65.43	65.14
79	64.85	64.57	64.29	64.01	63.73	63.45	63.17	62.88	62.60	62.32	62.04	61.76
80	61.48	61.21	60.94	60.66	60.39	60.12	59.85	59.57	59.30	59.03	58.76	58.48
81	58.21	57.95	57.68	57.42	57.16	56.89	56.63	56.37	56.10	55.84	55.58	55.31
82	55.05	54.80	54.55	54.30	54.05	53.80	53.55	53.29	53.04	52.79	52.54	52.29
83	52.04	51.80	51.57	51.33	51.09	50.85	50.62	50.38	50.14	49.90	49.67	49.43
84	49.19	48.97	48.75	48.53	48.30	48.08	47.86	47.64	47.42	47.20	46.97	46.75
85	46.53	46.33	46.12	45.92	45.72	45.51	45.31	45.11	44.90	44.70	44.50	44.29
86	44.09	43.90	43.72	43.53	43.34	43.16	42.97	42.78	42.60	42.41	42.22	42.04
87	41.85	41.68	41.51	41.34	41.17	41.00	40.83	40.66	40.49	40.32	40.15	39.98
88	39.81	39.66	39.50	39.35	39.20	39.04	38.89	38.74	38.58	38.43	38.28	38.12
89	37.97	37.83	37.70	37.56	37.42	37.28	37.15	37.01	36.87	36.73	36.60	36.46
90	36.32	36.20	36.07	35.95	35.83	35.70	35.58	35.46	35.33	35.21	35.09	34.96
91	34.84	34.73	34.62	34.51	34.40	34.29	34.19	34.08	33.97	33.86	33.75	33.64
92	33.53	33.43	33.33	33.24	33.14	33.04	32.94	32.84	32.74	32.65	32.55	32.45
93	32.35	32.26	32.18	32.09	32.00	31.91	31.83	31.74	31.65	31.56	31.48	31.39
94	31.30	31.22	31.14	31.06	30.98	30.90	30.82	30.74	30.66	30.58	30.50	30.42
95	30.34	30.27	30.19	30.12	30.04	29.97	29.89	29.82	29.74	29.67	29.59	29.52
96	29.44	29.37	29.30	29.22	29.15	29.08	29.01	28.93	28.86	28.79	28.72	28.64
97	28.57	28.50	28.43	28.36	28.29	28.22	28.15	28.07	28.00	27.93	27.86	27.79
98	27.72	27.65	27.59	27.52	27.46	27.39	27.33	27.26	27.19	27.13	27.06	27.00
99	26.93	26.87	26.81	26.75	26.69	26.63	26.57	26.51	26.45	26.39	26.33	26.27
100	26.21											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 14: Full Cost Factors for Purchasing Service - Factor 2 - Healthy and Disabled Members (Tier 1 / Tier 2 only)
(Present value adjustment of 2% COLA for years and months prior to earliest retirement age)

Years Prior to Earliest Retirement Age	Months Prior to Earliest Retirement Age											
	0	1	2	3	4	5	6	7	8	9	10	11
0	1.000	0.998	0.997	0.995	0.993	0.992	0.990	0.988	0.987	0.985	0.983	0.982
1	0.980	0.978	0.977	0.975	0.974	0.972	0.971	0.969	0.967	0.966	0.964	0.963
2	0.961	0.959	0.958	0.956	0.955	0.953	0.952	0.950	0.948	0.947	0.945	0.944
3	0.942	0.941	0.939	0.938	0.936	0.935	0.933	0.932	0.930	0.929	0.927	0.926
4	0.924	0.923	0.921	0.920	0.918	0.917	0.915	0.914	0.912	0.911	0.909	0.908
5	0.906	0.905	0.903	0.902	0.900	0.899	0.897	0.896	0.894	0.893	0.891	0.890
6	0.888	0.887	0.885	0.884	0.882	0.881	0.880	0.878	0.877	0.875	0.874	0.872
7	0.871	0.870	0.868	0.867	0.865	0.864	0.862	0.861	0.859	0.858	0.856	0.855
8	0.853	0.852	0.850	0.849	0.848	0.846	0.845	0.844	0.842	0.841	0.840	0.838
9	0.837	0.836	0.834	0.833	0.831	0.830	0.829	0.827	0.826	0.824	0.823	0.821
10	0.820											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 15: Full Cost Factors for Purchasing Service - Factor 3 - Healthy and Disabled Members (Tier 1 / Tier 2 only)
(Present value of monthly benefits that will be distributed because purchase allows the member to retire before earliest retirement age)

Years Prior to Earliest Retirement Age	Months Prior to Earliest Retirement Age											
	0	1	2	3	4	5	6	7	8	9	10	11
0	0.000	0.994	1.979	2.957	3.927	4.889	5.843	6.789	7.728	8.659	9.583	10.499
1	11.408	12.309	13.203	14.089	14.968	15.840	16.705	17.563	18.414	19.257	20.094	20.924
2	21.746	22.562	23.372	24.174	24.970	25.759	26.542	27.317	28.087	28.850	29.606	30.356
3	31.100	31.838	32.569	33.294	34.013	34.725	35.432	36.133	36.827	37.516	38.198	38.875
4	39.546	40.211	40.871	41.524	42.172	42.815	43.451	44.082	44.708	45.328	45.943	46.552
5	47.156	47.754	48.347	48.935	49.518	50.095	50.668	51.235	51.797	52.354	52.906	53.453
6	53.995	54.532	55.064	55.592	56.114	56.632	57.145	57.653	58.157	58.656	59.150	59.640
7	60.125	60.605	61.082	61.553	62.020	62.483	62.942	63.396	63.846	64.291	64.732	65.169
8	65.602	66.031	66.455	66.876	67.292	67.704	68.113	68.517	68.917	69.313	69.706	70.094
9	70.479	70.860	71.237	71.610	71.980	72.345	72.707	73.066	73.421	73.772	74.119	74.463
10	74.804											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 16: Full Cost Factors for Purchasing Service - Factor 4 - Healthy and Disabled Members (Tier 1 / Tier 2 only)
(Present Value of \$1.00 of RHIPA Healthcare Subsidy Payable until Age 65)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
45	122.86	122.65	122.43	122.21	121.99	121.77	121.55	121.32	121.10	120.87	120.64	120.41
46	120.18	119.95	119.71	119.47	119.24	119.00	118.76	118.51	118.27	118.02	117.78	117.53
47	117.28	117.03	116.77	116.52	116.26	116.00	115.74	115.48	115.22	114.95	114.69	114.42
48	114.15	113.88	113.60	113.33	113.05	112.77	112.49	112.21	111.92	111.64	111.35	111.06
49	110.77	110.47	110.18	109.88	109.58	109.28	108.97	108.67	108.36	108.05	107.74	107.43
50	107.11	106.80	106.48	106.15	105.83	105.51	105.18	104.85	104.52	104.18	103.85	103.51
51	103.17	102.82	102.48	102.13	101.78	101.43	101.08	100.72	100.36	100.00	99.64	99.27
52	98.91	98.54	98.16	97.79	97.41	97.03	96.65	96.27	95.88	95.49	95.10	94.70
53	94.31	93.91	93.50	93.10	92.69	92.28	91.87	91.45	91.04	90.61	90.19	89.77
54	89.34	88.90	88.47	88.03	87.59	87.15	86.70	86.26	85.80	85.35	84.89	84.43
55	83.97	83.50	83.03	82.56	82.09	81.61	81.13	80.64	80.15	79.66	79.17	78.67
56	78.17	77.67	77.16	76.65	76.14	75.62	75.10	74.58	74.05	73.52	72.99	72.45
57	71.91	71.37	70.82	70.27	69.72	69.16	68.60	68.03	67.46	66.89	66.32	65.74
58	65.15	64.56	63.97	63.38	62.78	62.18	61.57	60.96	60.35	59.73	59.11	58.48
59	57.85	57.22	56.58	55.94	55.29	54.64	53.98	53.32	52.66	51.99	51.32	50.64
60	49.96	49.28	48.59	47.90	47.20	46.50	45.79	45.08	44.36	43.64	42.91	42.18
61	41.45	40.71	39.96	39.21	38.46	37.70	36.94	36.17	35.39	34.62	33.83	33.04
62	32.25	31.45	30.65	29.84	29.02	28.20	27.38	26.55	25.71	24.87	24.02	23.17
63	22.32	21.45	20.58	19.71	18.83	17.95	17.05	16.16	15.26	14.35	13.43	12.51
64	11.59	10.66	9.72	8.77	7.82	6.87	5.90	4.94	3.96	2.98	1.99	1.00
65	0.00											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 17a: Full Cost Factors for Purchasing Service - Factor 5 - Healthy Members (Tier 1 / Tier 2 only)
(Present value of RHIA benefit payable at age 65, or retirement age if later, with no mortality during deferral period)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
45	1,509	1,519	1,529	1,539	1,549	1,559	1,570	1,580	1,590	1,600	1,610	1,620
46	1,630	1,641	1,652	1,663	1,674	1,685	1,696	1,706	1,717	1,728	1,739	1,750
47	1,761	1,773	1,784	1,796	1,808	1,819	1,831	1,843	1,854	1,866	1,878	1,889
48	1,901	1,914	1,926	1,939	1,952	1,964	1,977	1,990	2,002	2,015	2,028	2,040
49	2,053	2,067	2,081	2,094	2,108	2,122	2,136	2,149	2,163	2,177	2,191	2,204
50	2,218	2,233	2,248	2,262	2,277	2,292	2,307	2,321	2,336	2,351	2,366	2,380
51	2,395	2,411	2,427	2,443	2,459	2,475	2,491	2,507	2,523	2,539	2,555	2,571
52	2,587	2,604	2,622	2,639	2,656	2,673	2,691	2,708	2,725	2,742	2,760	2,777
53	2,794	2,813	2,831	2,850	2,868	2,887	2,906	2,924	2,943	2,961	2,980	2,998
54	3,017	3,037	3,057	3,078	3,098	3,118	3,138	3,158	3,178	3,199	3,219	3,239
55	3,259	3,281	3,302	3,324	3,346	3,367	3,389	3,411	3,432	3,454	3,476	3,497
56	3,519	3,543	3,566	3,590	3,613	3,637	3,660	3,684	3,707	3,731	3,754	3,778
57	3,801	3,826	3,852	3,877	3,902	3,928	3,953	3,978	4,004	4,029	4,054	4,080
58	4,105	4,132	4,160	4,187	4,214	4,242	4,269	4,296	4,324	4,351	4,378	4,406
59	4,433	4,463	4,492	4,522	4,551	4,581	4,611	4,640	4,670	4,699	4,729	4,758
60	4,788	4,820	4,852	4,884	4,916	4,948	4,980	5,011	5,043	5,075	5,107	5,139
61	5,171	5,206	5,240	5,275	5,309	5,344	5,378	5,413	5,447	5,482	5,516	5,551
62	5,585	5,622	5,659	5,697	5,734	5,771	5,808	5,845	5,882	5,920	5,957	5,994
63	6,031	6,071	6,112	6,152	6,192	6,232	6,273	6,313	6,353	6,393	6,434	6,474
64	6,514	6,557	6,601	6,644	6,688	6,731	6,775	6,818	6,861	6,905	6,948	6,992
65	7,035	7,024	7,012	7,001	6,990	6,978	6,967	6,956	6,944	6,933	6,922	6,910
66	6,899	6,887	6,876	6,864	6,852	6,841	6,829	6,817	6,806	6,794	6,782	6,771
67	6,759	6,747	6,735	6,723	6,711	6,699	6,687	6,674	6,662	6,650	6,638	6,626
68	6,614	6,602	6,589	6,577	6,564	6,552	6,539	6,527	6,514	6,502	6,489	6,477
69	6,464	6,451	6,438	6,425	6,412	6,399	6,386	6,373	6,360	6,347	6,334	6,321
70	6,308	6,295	6,281	6,268	6,254	6,241	6,228	6,214	6,201	6,187	6,174	6,160
71	6,147	6,133	6,120	6,106	6,092	6,078	6,065	6,051	6,037	6,023	6,010	5,996
72	5,982	5,968	5,954	5,939	5,925	5,911	5,897	5,882	5,868	5,854	5,840	5,825
73	5,811	5,796	5,782	5,767	5,753	5,738	5,724	5,709	5,694	5,680	5,665	5,651
74	5,636	5,621	5,606	5,591	5,576	5,561	5,547	5,532	5,517	5,502	5,487	5,472

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 17a: Full Cost Factors for Purchasing Service - Factor 5 - Healthy Members (Tier 1 / Tier 2 only)
(Present value of RHIA benefit payable at age 65, or retirement age if later, with no mortality during deferral period)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
75	5,457	5,442	5,427	5,411	5,396	5,381	5,366	5,350	5,335	5,320	5,305	5,289
76	5,274	5,258	5,243	5,227	5,212	5,196	5,181	5,165	5,149	5,134	5,118	5,103
77	5,087	5,071	5,056	5,040	5,024	5,008	4,993	4,977	4,961	4,945	4,930	4,914
78	4,898	4,882	4,866	4,850	4,834	4,818	4,803	4,787	4,771	4,755	4,739	4,723
79	4,707	4,691	4,675	4,659	4,643	4,627	4,611	4,595	4,579	4,563	4,547	4,531
80	4,515	4,499	4,483	4,467	4,451	4,435	4,419	4,402	4,386	4,370	4,354	4,338
81	4,322	4,306	4,290	4,274	4,258	4,242	4,226	4,209	4,193	4,177	4,161	4,145
82	4,129	4,113	4,097	4,081	4,065	4,049	4,034	4,018	4,002	3,986	3,970	3,954
83	3,938	3,922	3,906	3,891	3,875	3,859	3,843	3,827	3,811	3,796	3,780	3,764
84	3,748	3,732	3,717	3,701	3,686	3,670	3,655	3,639	3,623	3,608	3,592	3,577
85	3,561	3,546	3,531	3,515	3,500	3,485	3,470	3,454	3,439	3,424	3,409	3,393
86	3,378	3,363	3,348	3,334	3,319	3,304	3,289	3,274	3,259	3,245	3,230	3,215
87	3,200	3,186	3,172	3,158	3,143	3,129	3,115	3,101	3,087	3,073	3,058	3,044
88	3,030	3,017	3,003	2,990	2,976	2,963	2,950	2,936	2,923	2,909	2,896	2,882
89	2,869	2,857	2,844	2,832	2,819	2,807	2,794	2,782	2,769	2,757	2,744	2,732
90	2,719	2,707	2,696	2,684	2,672	2,661	2,649	2,637	2,626	2,614	2,602	2,591
91	2,579	2,568	2,557	2,547	2,536	2,525	2,514	2,503	2,492	2,482	2,471	2,460
92	2,449	2,439	2,429	2,419	2,409	2,399	2,389	2,379	2,369	2,359	2,349	2,339
93	2,329	2,320	2,311	2,302	2,292	2,283	2,274	2,265	2,256	2,247	2,237	2,228
94	2,219	2,210	2,202	2,193	2,185	2,176	2,168	2,159	2,150	2,142	2,133	2,125
95	2,116	2,108	2,100	2,092	2,084	2,076	2,069	2,061	2,053	2,045	2,037	2,029
96	2,021	2,014	2,007	2,001	1,994	1,987	1,980	1,973	1,966	1,960	1,953	1,946
97	1,939	1,933	1,927	1,921	1,915	1,909	1,903	1,897	1,891	1,885	1,879	1,873
98	1,867	1,862	1,857	1,852	1,846	1,841	1,836	1,831	1,826	1,821	1,815	1,810
99	1,805	1,800	1,796	1,791	1,786	1,781	1,777	1,772	1,767	1,762	1,758	1,753
100	1,748											

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 17b: Full Cost Factors for Purchasing Service - Factor 5 - Disabled Members (Tier 1 / Tier 2 only)
(Present value of RHIA benefit payable at age 65, or retirement age if later, with no mortality during deferral period)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
45	1,278	1,287	1,295	1,304	1,312	1,321	1,329	1,338	1,346	1,355	1,363	1,372
46	1,380	1,389	1,398	1,408	1,417	1,426	1,435	1,444	1,453	1,463	1,472	1,481
47	1,490	1,500	1,510	1,520	1,530	1,540	1,550	1,559	1,569	1,579	1,589	1,599
48	1,609	1,620	1,631	1,641	1,652	1,663	1,674	1,684	1,695	1,706	1,717	1,727
49	1,738	1,750	1,761	1,773	1,784	1,796	1,808	1,819	1,831	1,842	1,854	1,865
50	1,877	1,890	1,902	1,915	1,927	1,940	1,952	1,965	1,977	1,990	2,002	2,015
51	2,027	2,041	2,054	2,068	2,081	2,095	2,109	2,122	2,136	2,149	2,163	2,176
52	2,190	2,205	2,219	2,234	2,248	2,263	2,278	2,292	2,307	2,321	2,336	2,350
53	2,365	2,381	2,397	2,412	2,428	2,444	2,460	2,475	2,491	2,507	2,523	2,538
54	2,554	2,571	2,588	2,605	2,622	2,639	2,656	2,673	2,690	2,707	2,724	2,741
55	2,758	2,776	2,795	2,813	2,832	2,850	2,869	2,887	2,905	2,924	2,942	2,961
56	2,979	2,999	3,019	3,039	3,058	3,078	3,098	3,118	3,138	3,158	3,177	3,197
57	3,217	3,239	3,260	3,282	3,303	3,325	3,346	3,368	3,389	3,411	3,432	3,454
58	3,475	3,498	3,521	3,545	3,568	3,591	3,614	3,637	3,660	3,684	3,707	3,730
59	3,753	3,778	3,803	3,828	3,853	3,878	3,903	3,928	3,953	3,978	4,003	4,028
60	4,053	4,080	4,107	4,134	4,161	4,188	4,215	4,242	4,269	4,296	4,323	4,350
61	4,377	4,406	4,435	4,465	4,494	4,523	4,552	4,581	4,610	4,640	4,669	4,698
62	4,727	4,759	4,790	4,822	4,853	4,885	4,916	4,948	4,979	5,011	5,042	5,074
63	5,105	5,139	5,173	5,207	5,241	5,275	5,310	5,344	5,378	5,412	5,446	5,480
64	5,514	5,551	5,588	5,624	5,661	5,698	5,735	5,771	5,808	5,845	5,882	5,918
65	5,955	5,944	5,932	5,921	5,910	5,898	5,887	5,876	5,864	5,853	5,842	5,830
66	5,819	5,807	5,795	5,783	5,771	5,759	5,747	5,734	5,722	5,710	5,698	5,686
67	5,674	5,661	5,648	5,636	5,623	5,610	5,597	5,584	5,571	5,559	5,546	5,533
68	5,520	5,506	5,493	5,479	5,466	5,452	5,439	5,425	5,411	5,398	5,384	5,371
69	5,357	5,343	5,328	5,314	5,300	5,285	5,271	5,257	5,242	5,228	5,214	5,199
70	5,185	5,171	5,156	5,142	5,127	5,113	5,099	5,084	5,070	5,055	5,041	5,026
71	5,012	4,997	4,983	4,968	4,954	4,939	4,925	4,910	4,895	4,881	4,866	4,852
72	4,837	4,822	4,808	4,793	4,778	4,763	4,749	4,734	4,719	4,704	4,690	4,675
73	4,660	4,645	4,630	4,615	4,600	4,585	4,571	4,556	4,541	4,526	4,511	4,496
74	4,481	4,466	4,451	4,436	4,421	4,406	4,391	4,375	4,360	4,345	4,330	4,315

Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010

Table 17b: Full Cost Factors for Purchasing Service - Factor 5 - Disabled Members (Tier 1 / Tier 2 only)
(Present value of RHIA benefit payable at age 65, or retirement age if later, with no mortality during deferral period)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
75	4,300	4,285	4,270	4,255	4,240	4,225	4,210	4,195	4,180	4,165	4,150	4,135
76	4,120	4,105	4,090	4,075	4,060	4,045	4,030	4,014	3,999	3,984	3,969	3,954
77	3,939	3,924	3,909	3,895	3,880	3,865	3,850	3,835	3,820	3,806	3,791	3,776
78	3,761	3,746	3,732	3,717	3,702	3,687	3,673	3,658	3,643	3,628	3,614	3,599
79	3,584	3,570	3,555	3,541	3,526	3,512	3,497	3,483	3,468	3,454	3,439	3,425
80	3,410	3,396	3,382	3,368	3,353	3,339	3,325	3,311	3,297	3,283	3,268	3,254
81	3,240	3,226	3,213	3,199	3,185	3,171	3,158	3,144	3,130	3,116	3,103	3,089
82	3,075	3,062	3,048	3,035	3,022	3,008	2,995	2,982	2,968	2,955	2,942	2,928
83	2,915	2,902	2,890	2,877	2,865	2,852	2,840	2,827	2,814	2,802	2,789	2,777
84	2,764	2,752	2,740	2,729	2,717	2,705	2,693	2,681	2,669	2,658	2,646	2,634
85	2,622	2,611	2,600	2,589	2,578	2,567	2,557	2,546	2,535	2,524	2,513	2,502
86	2,491	2,481	2,471	2,461	2,451	2,441	2,431	2,420	2,410	2,400	2,390	2,380
87	2,370	2,361	2,352	2,343	2,333	2,324	2,315	2,306	2,297	2,288	2,278	2,269
88	2,260	2,252	2,243	2,235	2,227	2,218	2,210	2,202	2,193	2,185	2,177	2,168
89	2,160	2,153	2,145	2,138	2,130	2,123	2,115	2,108	2,100	2,093	2,085	2,078
90	2,070	2,063	2,057	2,050	2,043	2,036	2,030	2,023	2,016	2,009	2,003	1,996
91	1,989	1,983	1,977	1,971	1,965	1,959	1,953	1,947	1,941	1,935	1,929	1,923
92	1,917	1,912	1,906	1,901	1,896	1,890	1,885	1,880	1,874	1,869	1,864	1,858
93	1,853	1,848	1,843	1,839	1,834	1,829	1,824	1,819	1,814	1,810	1,805	1,800
94	1,795	1,791	1,786	1,782	1,777	1,773	1,769	1,764	1,760	1,755	1,751	1,746
95	1,742	1,738	1,734	1,730	1,726	1,722	1,718	1,713	1,709	1,705	1,701	1,697
96	1,693	1,689	1,685	1,681	1,677	1,673	1,669	1,664	1,660	1,656	1,652	1,648
97	1,644	1,640	1,636	1,633	1,629	1,625	1,621	1,617	1,613	1,610	1,606	1,602
98	1,598	1,594	1,591	1,587	1,583	1,580	1,576	1,572	1,569	1,565	1,561	1,558
99	1,554	1,551	1,547	1,544	1,540	1,537	1,534	1,530	1,527	1,523	1,520	1,516
100	1,513											

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 18: Lump Sum Cash Out Factors Prior to Early Retirement Eligibility - General Service with Less than 30 Years of Service- Healthy Members (OPSRP only)
(Factor Multiplied by Monthly Retirement Benefit at Normal Retirement Age 65)

Age	Months of Attained Age When Cashied Out											
	0	1	2	3	4	5	6	7	8	9	10	11
15	2.52745	2.54400	2.56056	2.57711	2.59366	2.61022	2.62677	2.64332	2.65988	2.67643	2.69298	2.70954
16	2.72609	2.74395	2.76180	2.77966	2.79751	2.81537	2.83322	2.85108	2.86893	2.88679	2.90464	2.92250
17	2.94035	2.95961	2.97886	2.99812	3.01738	3.03663	3.05589	3.07515	3.09440	3.11366	3.13292	3.15217
18	3.17143	3.19220	3.21297	3.23374	3.25451	3.27528	3.29605	3.31681	3.33758	3.35835	3.37912	3.39989
19	3.42066	3.44306	3.46546	3.48786	3.51026	3.53266	3.55507	3.57747	3.59987	3.62227	3.64467	3.66707
20	3.68947	3.71363	3.73778	3.76194	3.78609	3.81025	3.83441	3.85856	3.88272	3.90687	3.93103	3.95518
21	3.97934	4.00540	4.03145	4.05751	4.08357	4.10962	4.13568	4.16174	4.18779	4.21385	4.23991	4.26596
22	4.29202	4.32012	4.34821	4.37631	4.40441	4.43250	4.46060	4.48870	4.51679	4.54489	4.57299	4.60108
23	4.62918	4.65948	4.68979	4.72009	4.75040	4.78070	4.81101	4.84131	4.87161	4.90192	4.93222	4.96253
24	4.99283	5.02551	5.05819	5.09088	5.12356	5.15624	5.18892	5.22160	5.25428	5.28697	5.31965	5.35233
25	5.38501	5.42026	5.45550	5.49075	5.52599	5.56124	5.59649	5.63173	5.66698	5.70222	5.73747	5.77271
26	5.80796	5.84597	5.88399	5.92200	5.96001	5.99803	6.03604	6.07405	6.11207	6.15008	6.18809	6.22611
27	6.26412	6.30512	6.34611	6.38711	6.42810	6.46910	6.51010	6.55109	6.59209	6.63308	6.67408	6.71507
28	6.75607	6.80028	6.84450	6.88871	6.93292	6.97714	7.02135	7.06556	7.10978	7.15399	7.19820	7.24242
29	7.28663	7.33431	7.38200	7.42968	7.47737	7.52505	7.57274	7.62042	7.66810	7.71579	7.76347	7.81116
30	7.85884	7.91027	7.96170	8.01313	8.06456	8.11599	8.16743	8.21886	8.27029	8.32172	8.37315	8.42458
31	8.47601	8.53150	8.58699	8.64248	8.69797	8.75346	8.80895	8.86443	8.91992	8.97541	9.03090	9.08639
32	9.14188	9.20175	9.26161	9.32148	9.38134	9.44121	9.50107	9.56094	9.62080	9.68067	9.74053	9.80040
33	9.86026	9.92485	9.98944	10.05403	10.11862	10.18321	10.24780	10.31239	10.37698	10.44157	10.50616	10.57075
34	10.63534	10.70503	10.77473	10.84442	10.91411	10.98381	11.05350	11.12319	11.19289	11.26258	11.33227	11.40197
35	11.47166	11.54686	11.62207	11.69727	11.77247	11.84768	11.92288	11.99808	12.07329	12.14849	12.22369	12.29890
36	12.37410	12.45525	12.53640	12.61756	12.69871	12.77986	12.86101	12.94216	13.02331	13.10447	13.18562	13.26677
37	13.34792	13.43549	13.52306	13.61063	13.69819	13.78576	13.87333	13.96090	14.04847	14.13604	14.22360	14.31117
38	14.39874	14.49324	14.58774	14.68224	14.77673	14.87123	14.96573	15.06023	15.15473	15.24923	15.34372	15.43822
39	15.53272	15.63469	15.73667	15.83864	15.94061	16.04259	16.14456	16.24653	16.34851	16.45048	16.55245	16.65443
40	16.75640	16.86646	16.97652	17.08659	17.19665	17.30671	17.41677	17.52683	17.63689	17.74696	17.85702	17.96708
41	18.07714	18.19595	18.31475	18.43356	18.55236	18.67117	18.78997	18.90878	19.02758	19.14639	19.26519	19.38400
42	19.50280	19.63105	19.75931	19.88756	20.01581	20.14407	20.27232	20.40057	20.52883	20.65708	20.78533	20.91359
43	21.04184	21.18032	21.31880	21.45729	21.59577	21.73425	21.87273	22.01121	22.14969	22.28818	22.42666	22.56514
44	22.70362	22.85318	23.00275	23.15231	23.30187	23.45144	23.60100	23.75056	23.90013	24.04969	24.19925	24.34882

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 18: Lump Sum Cash Out Factors Prior to Early Retirement Eligibility - General Service with Less than 30 Years of Service- Healthy Members (OPSRP only)
(Factor Multiplied by Monthly Retirement Benefit at Normal Retirement Age 65)

Age	Months of Attained Age When Cashd Out											
	0	1	2	3	4	5	6	7	8	9	10	11
45	24.49838	24.65992	24.82147	24.98301	25.14456	25.30610	25.46765	25.62919	25.79073	25.95228	26.11382	26.27537
46	26.43691	26.61144	26.78596	26.96049	27.13501	27.30954	27.48406	27.65859	27.83311	28.00764	28.18216	28.35669
47	28.53121	28.71978	28.90834	29.09691	29.28547	29.47404	29.66260	29.85117	30.03973	30.22830	30.41686	30.60543
48	30.79399	30.99778	31.20156	31.40535	31.60913	31.81292	32.01671	32.22049	32.42428	32.62806	32.83185	33.03563
49	33.23942	33.45970	33.67997	33.90025	34.12052	34.34080	34.56107	34.78135	35.00162	35.22190	35.44217	35.66245
50	35.88272	36.12088	36.35905	36.59721	36.83538	37.07354	37.31171	37.54987	37.78803	38.02620	38.26436	38.50253
51	38.74069	38.99845	39.25620	39.51396	39.77171	40.02947	40.28722	40.54498	40.80273	41.06049	41.31824	41.57600
52	41.83375	42.11275	42.39175	42.67074	42.94974	43.22874	43.50774	43.78673	44.06573	44.34473	44.62373	44.90272
53	45.18172	45.48382	45.78592	46.08803	46.39013	46.69223	46.99433	47.29643	47.59853	47.90064	48.20274	48.50484
54	48.80694	49.13423	49.46153	49.78882	50.11612	50.44341	50.77071	51.09800	51.42529	51.75259	52.07988	52.40718
55	52.73447	53.08946	53.44445	53.79943	54.15442	54.50941	54.86440	55.21938	55.57437	55.92936	56.28435	56.63933
56	56.99432	57.37986	57.76541	58.15095	58.53649	58.92204	59.30758	59.69312	60.07867	60.46421	60.84975	61.23530
57	61.62084	62.03979	62.45873	62.87768	63.29662	63.71557	64.13451	64.55346	64.97240	65.39135	65.81029	66.22924
58	66.64818	67.10376	67.55935	68.01493	68.47052	68.92610	69.38169	69.83727	70.29285	70.74844	71.20402	71.65961
59	72.11519	72.61103	73.10686	73.60270	74.09853	74.59437	75.09020	75.58604	76.08187	76.57771	77.07354	77.56938
60	78.06521	78.60564	79.14606	79.68649	80.22691	80.76734	81.30777	81.84819	82.38862	82.92904	83.46947	84.00989
61	84.55032	85.14062	85.73092	86.32122	86.91152	87.50182	88.09212	88.68242	89.27272	89.86302	90.45332	91.04362
62	91.63392	92.28000	92.92609	93.57217	94.21825	94.86434	95.51042	96.15650	96.80259	97.44867	98.09475	98.74084
63	99.38692	100.09604	100.80516	101.51428	102.22340	102.93252	103.64165	104.35077	105.05989	105.76901	106.47813	107.18725
64	107.89637	108.67585	109.45532	110.23480	111.01427	111.79375	112.57322	113.35270	114.13217	114.91165	115.69112	116.47060
65	117.25007											

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 19: Lump Sum Cash Out Factors Prior to Early Retirement Eligibility - Police & Fire with Less than 25 Years of Service- Healthy Members (OPSRP only)
(Factor Multiplied by Monthly Retirement Benefit at Normal Retirement Age 60)

Age	Months of Attained Age When Cashed Out											
	0	1	2	3	4	5	6	7	8	9	10	11
15	4.03730	4.06389	4.09047	4.11706	4.14365	4.17023	4.19682	4.22341	4.24999	4.27658	4.30317	4.32975
16	4.35634	4.38503	4.41372	4.44241	4.47109	4.49978	4.52847	4.55716	4.58585	4.61454	4.64322	4.67191
17	4.70060	4.73156	4.76251	4.79347	4.82443	4.85538	4.88634	4.91730	4.94825	4.97921	5.01017	5.04112
18	5.07208	5.10548	5.13888	5.17228	5.20568	5.23908	5.27249	5.30589	5.33929	5.37269	5.40609	5.43949
19	5.47289	5.50893	5.54497	5.58101	5.61705	5.65309	5.68914	5.72518	5.76122	5.79726	5.83330	5.86934
20	5.90538	5.94427	5.98315	6.02204	6.06092	6.09981	6.13869	6.17758	6.21646	6.25535	6.29423	6.33312
21	6.37200	6.41396	6.45592	6.49788	6.53984	6.58180	6.62377	6.66573	6.70769	6.74965	6.79161	6.83357
22	6.87553	6.92080	6.96607	7.01134	7.05661	7.10188	7.14716	7.19243	7.23770	7.28297	7.32824	7.37351
23	7.41878	7.46763	7.51648	7.56533	7.61417	7.66302	7.71187	7.76072	7.80957	7.85842	7.90726	7.95611
24	8.00496	8.05767	8.11037	8.16308	8.21578	8.26849	8.32120	8.37390	8.42661	8.47931	8.53202	8.58472
25	8.63743	8.69430	8.75117	8.80804	8.86491	8.92178	8.97865	9.03552	9.09239	9.14926	9.20613	9.26300
26	9.31987	9.38123	9.44260	9.50396	9.56533	9.62669	9.68806	9.74942	9.81078	9.87215	9.93351	9.99488
27	10.05624	10.12245	10.18866	10.25487	10.32108	10.38729	10.45351	10.51972	10.58593	10.65214	10.71835	10.78456
28	10.85077	10.92221	10.99365	11.06509	11.13653	11.20797	11.27942	11.35086	11.42230	11.49374	11.56518	11.63662
29	11.70806	11.78515	11.86224	11.93933	12.01642	12.09351	12.17060	12.24769	12.32478	12.40187	12.47896	12.55605
30	12.63314	12.71633	12.79952	12.88271	12.96589	13.04908	13.13227	13.21546	13.29865	13.38184	13.46502	13.54821
31	13.63140	13.72120	13.81099	13.90079	13.99058	14.08038	14.17018	14.25997	14.34977	14.43956	14.52936	14.61915
32	14.70895	14.80588	14.90281	14.99974	15.09666	15.19359	15.29052	15.38745	15.48438	15.58131	15.67823	15.77516
33	15.87209	15.97672	16.08136	16.18599	16.29062	16.39525	16.49989	16.60452	16.70915	16.81378	16.91842	17.02305
34	17.12768	17.24064	17.35360	17.46655	17.57951	17.69247	17.80543	17.91838	18.03134	18.14430	18.25726	18.37021
35	18.48317	18.60512	18.72707	18.84902	18.97097	19.09292	19.21488	19.33683	19.45878	19.58073	19.70268	19.82463
36	19.94658	20.07825	20.20991	20.34158	20.47324	20.60491	20.73658	20.86824	20.99991	21.13157	21.26324	21.39490
37	21.52657	21.66872	21.81088	21.95303	22.09518	22.23733	22.37949	22.52164	22.66379	22.80594	22.94810	23.09025
38	23.23240	23.38588	23.53937	23.69285	23.84633	23.99982	24.15330	24.30678	24.46027	24.61375	24.76723	24.92072
39	25.07420	25.23992	25.40563	25.57135	25.73706	25.90278	26.06849	26.23421	26.39992	26.56564	26.73135	26.89707
40	27.06278	27.24174	27.42069	27.59965	27.77861	27.95756	28.13652	28.31548	28.49443	28.67339	28.85235	29.03130
41	29.21026	29.40354	29.59681	29.79009	29.98336	30.17664	30.36991	30.56319	30.75646	30.94974	31.14301	31.33629
42	31.52956	31.73833	31.94710	32.15586	32.36463	32.57340	32.78217	32.99093	33.19970	33.40847	33.61724	33.82600
43	34.03477	34.26031	34.48585	34.71139	34.93693	35.16247	35.38801	35.61355	35.83909	36.06463	36.29017	36.51571
44	36.74125	36.98498	37.22870	37.47243	37.71615	37.95988	38.20360	38.44733	38.69105	38.93478	39.17850	39.42223

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 19: Lump Sum Cash Out Factors Prior to Early Retirement Eligibility - Police & Fire with Less than 25 Years of Service- Healthy Members (OPSRP only)
(Factor Multiplied by Monthly Retirement Benefit at Normal Retirement Age 60)

Age	Months of Attained Age When Cashed Out											
	0	1	2	3	4	5	6	7	8	9	10	11
45	39.66595	39.92935	40.19275	40.45614	40.71954	40.98294	41.24634	41.50973	41.77313	42.03653	42.29993	42.56332
46	42.82672	43.11145	43.39617	43.68090	43.96562	44.25035	44.53507	44.81980	45.10452	45.38925	45.67397	45.95870
47	46.24342	46.55123	46.85904	47.16685	47.47466	47.78247	48.09028	48.39809	48.70590	49.01371	49.32152	49.62933
48	49.93714	50.26999	50.60283	50.93568	51.26853	51.60137	51.93422	52.26707	52.59991	52.93276	53.26561	53.59845
49	53.93130	54.29129	54.65128	55.01127	55.37126	55.73125	56.09124	56.45122	56.81121	57.17120	57.53119	57.89118
50	58.25117	58.64062	59.03008	59.41953	59.80898	60.19843	60.58789	60.97734	61.36679	61.75624	62.14570	62.53515
51	62.92460	63.34634	63.76808	64.18982	64.61155	65.03329	65.45503	65.87677	66.29851	66.72025	67.14198	67.56372
52	67.98546	68.44223	68.89899	69.35576	69.81252	70.26929	70.72605	71.18282	71.63958	72.09635	72.55311	73.00988
53	73.46664	73.96153	74.45642	74.95132	75.44621	75.94110	76.43599	76.93088	77.42577	77.92067	78.41556	78.91045
54	79.40534	79.94182	80.47830	81.01477	81.55125	82.08773	82.62421	83.16068	83.69716	84.23364	84.77012	85.30659
55	85.84307	86.42529	87.00752	87.58974	88.17196	88.75418	89.33641	89.91863	90.50085	91.08307	91.66530	92.24752
56	92.82974	93.46245	94.09517	94.72788	95.36060	95.99331	96.62603	97.25874	97.89145	98.52417	99.15688	99.78960
57	100.42231	101.11026	101.79821	102.48616	103.17411	103.86206	104.55001	105.23795	105.92590	106.61385	107.30180	107.98975
58	108.67770	109.42626	110.17482	110.92339	111.67195	112.42051	113.16907	113.91763	114.66619	115.41476	116.16332	116.91188
59	117.66044	118.47564	119.29084	120.10604	120.92124	121.73644	122.55164	123.36683	124.18203	124.99723	125.81243	126.62763
60	127.44283											

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 20: Lump Sum Cash Out Factors at or after Early Retirement Age - Healthy Members (OPSRP only)
(Factor Multiplied by Monthly Retirement Benefit at or after Early Retirement Age)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
50	141.53856	141.44977	141.36099	141.27220	141.18341	141.09463	141.00584	140.91705	140.82827	140.73948	140.65069	140.56191
51	140.47312	140.37878	140.28444	140.19010	140.09575	140.00141	139.90707	139.81273	139.71839	139.62405	139.52970	139.43536
52	139.34102	139.24058	139.14015	139.03971	138.93927	138.83884	138.73840	138.63796	138.53753	138.43709	138.33665	138.23622
53	138.13578	138.02886	137.92194	137.81502	137.70810	137.60118	137.49427	137.38735	137.28043	137.17351	137.06659	136.95967
54	136.85275	136.73901	136.62528	136.51154	136.39781	136.28407	136.17034	136.05660	135.94286	135.82913	135.71539	135.60166
55	135.48792	135.36754	135.24716	135.12678	135.00639	134.88601	134.76563	134.64525	134.52487	134.40449	134.28410	134.16372
56	134.04334	133.91658	133.78982	133.66306	133.53630	133.40954	133.28278	133.15602	133.02926	132.90250	132.77574	132.64898
57	132.52222	132.38856	132.25490	132.12125	131.98759	131.85393	131.72027	131.58661	131.45295	131.31930	131.18564	131.05198
58	130.91832	130.77736	130.63640	130.49544	130.35447	130.21351	130.07255	129.93159	129.79063	129.64967	129.50870	129.36774
59	129.22678	129.07812	128.92946	128.78079	128.63213	128.48347	128.33481	128.18614	128.03748	127.88882	127.74016	127.59149
60	127.44283	127.28649	127.13015	126.97381	126.81747	126.66113	126.50479	126.34845	126.19211	126.03577	125.87943	125.72309
61	125.56675	125.40326	125.23976	125.07627	124.91277	124.74928	124.58578	124.42229	124.25879	124.09530	123.93180	123.76831
62	123.60481	123.43445	123.26410	123.09374	122.92338	122.75302	122.58267	122.41231	122.24195	122.07159	121.90124	121.73088
63	121.56052	121.38412	121.20772	121.03132	120.85492	120.67852	120.50213	120.32573	120.14933	119.97293	119.79653	119.62013
64	119.44373	119.26093	119.07812	118.89532	118.71251	118.52971	118.34690	118.16410	117.98129	117.79849	117.61568	117.43288
65	117.25007	117.06098	116.87188	116.68279	116.49369	116.30460	116.11551	115.92641	115.73732	115.54822	115.35913	115.17003
66	114.98094	114.78619	114.59144	114.39669	114.20194	114.00719	113.81244	113.61768	113.42293	113.22818	113.03343	112.83868
67	112.64393	112.44269	112.24144	112.04020	111.83895	111.63771	111.43646	111.23522	111.03397	110.83273	110.63148	110.43024
68	110.22899	110.02036	109.81173	109.60309	109.39446	109.18583	108.97720	108.76856	108.55993	108.35130	108.14267	107.93403
69	107.72540	107.50920	107.29301	107.07681	106.86061	106.64441	106.42822	106.21202	105.99582	105.77962	105.56343	105.34723
70	105.13103	104.90818	104.68533	104.46248	104.23963	104.01678	103.79394	103.57109	103.34824	103.12539	102.90254	102.67969
71	102.45684	102.22677	101.99669	101.76662	101.53654	101.30647	101.07640	100.84632	100.61625	100.38617	100.15610	99.92602
72	99.69595	99.45938	99.22280	98.98623	98.74965	98.51308	98.27651	98.03993	97.80336	97.56678	97.33021	97.09363
73	96.85706	96.61385	96.37063	96.12742	95.88420	95.64099	95.39777	95.15456	94.91134	94.66813	94.42491	94.18170
74	93.93848	93.68952	93.44056	93.19160	92.94263	92.69367	92.44471	92.19575	91.94679	91.69783	91.44886	91.19990
75	90.95094	90.69661	90.44228	90.18795	89.93361	89.67928	89.42495	89.17062	88.91629	88.66196	88.40762	88.15329
76	87.89896	87.63973	87.38049	87.12126	86.86202	86.60279	86.34356	86.08432	85.82509	85.56585	85.30662	85.04738
77	84.78815	84.52554	84.26293	84.00031	83.73770	83.47509	83.21248	82.94986	82.68725	82.42464	82.16203	81.89941
78	81.63680	81.37160	81.10639	80.84119	80.57599	80.31078	80.04558	79.78038	79.51517	79.24997	78.98477	78.71956
79	78.45436	78.18729	77.92021	77.65314	77.38606	77.11899	76.85191	76.58484	76.31776	76.05069	75.78361	75.51654

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 20: Lump Sum Cash Out Factors at or after Early Retirement Age - Healthy Members (OPSRP only)
(Factor Multiplied by Monthly Retirement Benefit at or after Early Retirement Age)

Age	Months of Attained Age at Retirement											
	0	1	2	3	4	5	6	7	8	9	10	11
80	75.24946	74.98115	74.71283	74.44452	74.17620	73.90789	73.63957	73.37126	73.10294	72.83463	72.56631	72.29800
81	72.02968	71.76194	71.49419	71.22645	70.95870	70.69096	70.42321	70.15547	69.88772	69.61998	69.35223	69.08449
82	68.81674	68.55100	68.28526	68.01952	67.75378	67.48804	67.22230	66.95656	66.69082	66.42508	66.15934	65.89360
83	65.62786	65.36416	65.10046	64.83675	64.57305	64.30935	64.04565	63.78194	63.51824	63.25454	62.99084	62.72713
84	62.46343	62.20374	61.94404	61.68435	61.42465	61.16496	60.90527	60.64557	60.38588	60.12618	59.86649	59.60679
85	59.34710	59.09286	58.83863	58.58439	58.33015	58.07591	57.82168	57.56744	57.31320	57.05896	56.80473	56.55049
86	56.29625	56.04917	55.80210	55.55502	55.30794	55.06086	54.81379	54.56671	54.31963	54.07255	53.82548	53.57840
87	53.33132	53.09545	52.85958	52.62372	52.38785	52.15198	51.91611	51.68024	51.44437	51.20851	50.97264	50.73677
88	50.50090	50.27764	50.05437	49.83111	49.60785	49.38458	49.16132	48.93806	48.71479	48.49153	48.26827	48.04500
89	47.82174	47.61234	47.40293	47.19353	46.98413	46.77472	46.56532	46.35592	46.14651	45.93711	45.72771	45.51830
90	45.30890	45.11513	44.92137	44.72760	44.53383	44.34007	44.14630	43.95253	43.75877	43.56500	43.37123	43.17747
91	42.98370	42.80324	42.62278	42.44232	42.26186	42.08140	41.90095	41.72049	41.54003	41.35957	41.17911	40.99865
92	40.81819	40.65161	40.48503	40.31844	40.15186	39.98528	39.81870	39.65211	39.48553	39.31895	39.15237	38.98578
93	38.81920	38.66627	38.51334	38.36041	38.20748	38.05455	37.90162	37.74869	37.59576	37.44283	37.28990	37.13697
94	36.98404	36.84127	36.69850	36.55573	36.41296	36.27019	36.12743	35.98466	35.84189	35.69912	35.55635	35.41358
95	35.27081	35.13850	35.00618	34.87387	34.74155	34.60924	34.47692	34.34461	34.21229	34.07998	33.94766	33.81535
96	33.68303	33.56903	33.45503	33.34104	33.22704	33.11304	32.99904	32.88504	32.77104	32.65705	32.54305	32.42905
97	32.31505	32.21509	32.11513	32.01517	31.91521	31.81525	31.71529	31.61533	31.51537	31.41541	31.31545	31.21549
98	31.11553	31.02942	30.94331	30.85720	30.77109	30.68498	30.59887	30.51275	30.42664	30.34053	30.25442	30.16831
99	30.08220	30.00264	29.92308	29.84352	29.76396	29.68440	29.60484	29.52527	29.44571	29.36615	29.28659	29.20703
100	29.12747											

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 21: Lump Sum Cash Out Factors - Beneficiaries (OPSRP only)
(Factor Multiplied by Survivor Benefit Payable to Spouse at Commencement Date)

Age	Months of Attained Age at Date Cashed Out											
	0	1	2	3	4	5	6	7	8	9	10	11
15	155.06587	155.05813	155.05040	155.04266	155.03492	155.02719	155.01945	155.01171	155.00398	154.99624	154.98850	154.98077
16	154.97303	154.96476	154.95650	154.94823	154.93997	154.93170	154.92344	154.91517	154.90690	154.89864	154.89037	154.88211
17	154.87384	154.86499	154.85614	154.84729	154.83843	154.82958	154.82073	154.81188	154.80303	154.79418	154.78532	154.77647
18	154.76762	154.75810	154.74859	154.73907	154.72956	154.72004	154.71053	154.70101	154.69149	154.68198	154.67246	154.66295
19	154.65343	154.64318	154.63294	154.62269	154.61244	154.60220	154.59195	154.58170	154.57146	154.56121	154.55096	154.54072
20	154.53047	154.51940	154.50832	154.49725	154.48617	154.47510	154.46402	154.45295	154.44187	154.43080	154.41972	154.40865
21	154.39757	154.38567	154.37376	154.36186	154.34995	154.33805	154.32614	154.31424	154.30233	154.29043	154.27852	154.26662
22	154.25471	154.24183	154.22894	154.21606	154.20317	154.19029	154.17741	154.16452	154.15164	154.13875	154.12587	154.11298
23	154.10010	154.08623	154.07236	154.05849	154.04462	154.03075	154.01689	154.00302	153.98915	153.97528	153.96141	153.94754
24	153.93367	153.91871	153.90375	153.88878	153.87382	153.85886	153.84390	153.82893	153.81397	153.79901	153.78405	153.76908
25	153.75412	153.73793	153.72175	153.70556	153.68937	153.67318	153.65700	153.64081	153.62462	153.60843	153.59225	153.57606
26	153.55987	153.54243	153.52499	153.50755	153.49011	153.47267	153.45523	153.43778	153.42034	153.40290	153.38546	153.36802
27	153.35058	153.33172	153.31285	153.29399	153.27512	153.25626	153.23739	153.21853	153.19966	153.18080	153.16193	153.14307
28	153.12420	153.10379	153.08337	153.06296	153.04254	153.02213	153.00172	152.98130	152.96089	152.94047	152.92006	152.89964
29	152.87923	152.85723	152.83523	152.81323	152.79123	152.76923	152.74723	152.72523	152.70323	152.68123	152.65923	152.63723
30	152.61523	152.59158	152.56792	152.54427	152.52061	152.49696	152.47330	152.44965	152.42599	152.40234	152.37868	152.35503
31	152.33137	152.30614	152.28092	152.25569	152.23047	152.20524	152.18002	152.15479	152.12956	152.10434	152.07911	152.05389
32	152.02866	152.00171	151.97475	151.94780	151.92084	151.89389	151.86693	151.83998	151.81302	151.78607	151.75911	151.73216
33	151.70520	151.67641	151.64763	151.61884	151.59006	151.56127	151.53249	151.50370	151.47491	151.44613	151.41734	151.38856
34	151.35977	151.32900	151.29822	151.26745	151.23668	151.20590	151.17513	151.14436	151.11358	151.08281	151.05204	151.02126
35	150.99049	150.95760	150.92471	150.89182	150.85893	150.82604	150.79316	150.76027	150.72738	150.69449	150.66160	150.62871
36	150.59582	150.56064	150.52546	150.49029	150.45511	150.41993	150.38475	150.34957	150.31439	150.27922	150.24404	150.20886
37	150.17368	150.13596	150.09824	150.06052	150.02279	149.98507	149.94735	149.90963	149.87191	149.83419	149.79646	149.75874
38	149.72102	149.68056	149.64010	149.59964	149.55917	149.51871	149.47825	149.43779	149.39733	149.35687	149.31640	149.27594
39	149.23548	149.19203	149.14859	149.10514	149.06169	149.01825	148.97480	148.93135	148.88791	148.84446	148.80101	148.75757
40	148.71412	148.66750	148.62087	148.57425	148.52762	148.48100	148.43437	148.38775	148.34112	148.29450	148.24787	148.20125
41	148.15462	148.10461	148.05460	148.00459	147.95458	147.90457	147.85456	147.80455	147.75454	147.70453	147.65452	147.60451
42	147.55450	147.50091	147.44733	147.39374	147.34015	147.28656	147.23298	147.17939	147.12580	147.07221	147.01863	146.96504
43	146.91145	146.85405	146.79666	146.73926	146.68186	146.62446	146.56707	146.50967	146.45227	146.39487	146.33748	146.28008
44	146.22268	146.16129	146.09989	146.03850	145.97710	145.91571	145.85432	145.79292	145.73153	145.67013	145.60874	145.54734

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 21: Lump Sum Cash Out Factors - Beneficiaries (OPSRP only)
(Factor Multiplied by Survivor Benefit Payable to Spouse at Commencement Date)

Age	Months of Attained Age at Date Cashed Out											
	0	1	2	3	4	5	6	7	8	9	10	11
45	145.48595	145.42026	145.35456	145.28887	145.22317	145.15748	145.09178	145.02609	144.96039	144.89470	144.82900	144.76331
46	144.69761	144.62727	144.55693	144.48659	144.41625	144.34591	144.27557	144.20523	144.13489	144.06455	143.99421	143.92387
47	143.85353	143.77819	143.70285	143.62751	143.55217	143.47683	143.40149	143.32615	143.25081	143.17547	143.10013	143.02479
48	142.94945	142.86876	142.78806	142.70737	142.62667	142.54598	142.46529	142.38459	142.30390	142.22320	142.14251	142.06181
49	141.98112	141.89465	141.80819	141.72172	141.63525	141.54879	141.46232	141.37585	141.28939	141.20292	141.11645	141.02999
50	140.94352	140.85088	140.75824	140.66560	140.57295	140.48031	140.38767	140.29503	140.20239	140.10975	140.01710	139.92446
51	139.83182	139.73380	139.63577	139.53775	139.43972	139.34170	139.24367	139.14565	139.04762	138.94960	138.85157	138.75355
52	138.65552	138.55086	138.44619	138.34153	138.23687	138.13220	138.02754	137.92288	137.81821	137.71355	137.60889	137.50422
53	137.39956	137.28802	137.17648	137.06495	136.95341	136.84187	136.73033	136.61879	136.50725	136.39572	136.28418	136.17264
54	136.06110	135.94231	135.82352	135.70473	135.58594	135.46715	135.34836	135.22956	135.11077	134.99198	134.87319	134.75440
55	134.63561	134.51008	134.38454	134.25901	134.13347	134.00794	133.88240	133.75687	133.63133	133.50580	133.38026	133.25473
56	133.12919	132.99714	132.86509	132.73304	132.60099	132.46894	132.33689	132.20483	132.07278	131.94073	131.80868	131.67663
57	131.54458	131.40482	131.26507	131.12531	130.98555	130.84580	130.70604	130.56628	130.42653	130.28677	130.14701	130.00726
58	129.86750	129.71971	129.57193	129.42414	129.27636	129.12857	128.98079	128.83300	128.68521	128.53743	128.38964	128.24186
59	128.09407	127.93793	127.78179	127.62564	127.46950	127.31336	127.15722	127.00107	126.84493	126.68879	126.53265	126.37650
60	126.22036	126.05615	125.89193	125.72772	125.56350	125.39929	125.23508	125.07086	124.90665	124.74243	124.57822	124.41400
61	124.24979	124.07840	123.90701	123.73561	123.56422	123.39283	123.22144	123.05004	122.87865	122.70726	122.53587	122.36447
62	122.19308	122.01477	121.83646	121.65815	121.47984	121.30153	121.12322	120.94491	120.76660	120.58829	120.40998	120.23167
63	120.05336	119.86942	119.68547	119.50153	119.31758	119.13364	118.94969	118.76575	118.58180	118.39786	118.21391	118.02997
64	117.84602	117.65548	117.46494	117.27440	117.08386	116.89332	116.70278	116.51224	116.32170	116.13116	115.94062	115.75008
65	115.55954	115.36275	115.16596	114.96917	114.77238	114.57559	114.37880	114.18201	113.98522	113.78843	113.59164	113.39485
66	113.19806	112.99600	112.79394	112.59188	112.38982	112.18776	111.98570	111.78363	111.58157	111.37951	111.17745	110.97539
67	110.77333	110.56407	110.35481	110.14555	109.93629	109.72703	109.51778	109.30852	109.09926	108.89000	108.68074	108.47148
68	108.26222	108.04456	107.82690	107.60924	107.39158	107.17392	106.95626	106.73859	106.52093	106.30327	106.08561	105.86795
69	105.65029	105.42452	105.19876	104.97299	104.74722	104.52146	104.29569	104.06992	103.84416	103.61839	103.39262	103.16686
70	102.94109	102.70855	102.47602	102.24348	102.01095	101.77841	101.54588	101.31334	101.08080	100.84827	100.61573	100.38320
71	100.15066	99.91027	99.66987	99.42948	99.18908	98.94869	98.70829	98.46790	98.22750	97.98711	97.74671	97.50632
72	97.26592	97.01890	96.77187	96.52485	96.27782	96.03080	95.78378	95.53675	95.28973	95.04270	94.79568	94.54865
73	94.30163	94.04793	93.79424	93.54054	93.28684	93.03314	92.77945	92.52575	92.27205	92.01835	91.76466	91.51096
74	91.25726	90.99801	90.73877	90.47952	90.22027	89.96103	89.70178	89.44253	89.18329	88.92404	88.66479	88.40555

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 21: Lump Sum Cash Out Factors - Beneficiaries (OPSRP only)
(Factor Multiplied by Survivor Benefit Payable to Spouse at Commencement Date)

<u>Age</u>	<u>Months of Attained Age at Date Cashed Out</u>											
	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>
75	88.14630	87.88230	87.61830	87.35431	87.09031	86.82631	86.56231	86.29831	86.03431	85.77032	85.50632	85.24232
76	84.97832	84.70975	84.44118	84.17261	83.90404	83.63547	83.36690	83.09832	82.82975	82.56118	82.29261	82.02404
77	81.75547	81.48484	81.21421	80.94358	80.67295	80.40232	80.13170	79.86107	79.59044	79.31981	79.04918	78.77855
78	78.50792	78.23548	77.96303	77.69059	77.41814	77.14570	76.87325	76.60081	76.32836	76.05592	75.78347	75.51103
79	75.23858	74.96518	74.69177	74.41837	74.14497	73.87156	73.59816	73.32476	73.05135	72.77795	72.50455	72.23114
80	71.95774											

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 22: Conversion to Monthly Spouse Benefit at Later of Member's Death or Earliest Retirement Age (OPSRP only)
(Factor Multiplied by 50% of Retirement Benefit)

Spouse Age*	Age of Member at Later of Death or Earliest Early Retirement Age										
	50	51	52	53	54	55	56	57	58	59	60
15	0.860	0.851	0.841	0.831	0.821	0.810	0.799	0.787	0.774	0.762	0.748
16	0.861	0.852	0.843	0.833	0.822	0.811	0.800	0.788	0.775	0.763	0.749
17	0.862	0.853	0.844	0.834	0.823	0.812	0.801	0.789	0.777	0.764	0.750
18	0.864	0.855	0.845	0.835	0.825	0.814	0.802	0.790	0.778	0.765	0.751
19	0.865	0.856	0.846	0.836	0.826	0.815	0.803	0.791	0.779	0.766	0.753
20	0.867	0.858	0.848	0.838	0.827	0.816	0.805	0.793	0.780	0.767	0.754
21	0.868	0.859	0.850	0.839	0.829	0.818	0.806	0.794	0.782	0.769	0.755
22	0.870	0.861	0.851	0.841	0.831	0.819	0.808	0.796	0.783	0.770	0.757
23	0.872	0.863	0.853	0.843	0.832	0.821	0.810	0.798	0.785	0.772	0.758
24	0.874	0.865	0.855	0.845	0.834	0.823	0.811	0.799	0.787	0.774	0.760
25	0.876	0.867	0.857	0.847	0.836	0.825	0.813	0.801	0.789	0.776	0.762
26	0.878	0.869	0.859	0.849	0.838	0.827	0.815	0.803	0.791	0.778	0.764
27	0.880	0.871	0.861	0.851	0.840	0.829	0.817	0.805	0.793	0.780	0.766
28	0.883	0.873	0.864	0.853	0.843	0.832	0.820	0.808	0.795	0.782	0.768
29	0.885	0.876	0.866	0.856	0.845	0.834	0.822	0.810	0.797	0.784	0.770
30	0.888	0.879	0.869	0.859	0.848	0.837	0.825	0.813	0.800	0.787	0.773
31	0.891	0.882	0.872	0.862	0.851	0.840	0.828	0.815	0.803	0.789	0.775
32	0.895	0.885	0.875	0.865	0.854	0.843	0.831	0.818	0.806	0.792	0.778
33	0.898	0.888	0.879	0.868	0.857	0.846	0.834	0.821	0.809	0.795	0.781
34	0.902	0.892	0.882	0.872	0.861	0.849	0.837	0.825	0.812	0.798	0.784
35	0.905	0.896	0.886	0.875	0.864	0.853	0.841	0.828	0.815	0.802	0.788
36	0.909	0.900	0.890	0.879	0.868	0.857	0.845	0.832	0.819	0.805	0.791
37	0.914	0.904	0.894	0.883	0.872	0.861	0.849	0.836	0.823	0.809	0.795
38	0.918	0.909	0.899	0.888	0.877	0.865	0.853	0.840	0.827	0.813	0.799
39	0.923	0.914	0.903	0.893	0.881	0.870	0.857	0.845	0.831	0.818	0.803
40	0.929	0.919	0.909	0.898	0.887	0.875	0.862	0.850	0.836	0.822	0.808
41	0.934	0.924	0.914	0.903	0.892	0.880	0.868	0.855	0.841	0.827	0.813
42	0.940	0.930	0.920	0.909	0.898	0.886	0.873	0.860	0.847	0.833	0.818
43	0.947	0.937	0.926	0.915	0.904	0.892	0.879	0.866	0.852	0.838	0.824
44	0.954	0.943	0.933	0.922	0.910	0.898	0.886	0.872	0.859	0.844	0.830
45	0.961	0.951	0.940	0.929	0.917	0.905	0.892	0.879	0.865	0.851	0.836
46	0.969	0.959	0.948	0.937	0.925	0.912	0.900	0.886	0.872	0.858	0.843
47	0.977	0.967	0.956	0.945	0.933	0.920	0.907	0.894	0.880	0.865	0.850
48	0.986	0.976	0.965	0.953	0.941	0.929	0.916	0.902	0.888	0.873	0.858
49	0.996	0.985	0.974	0.963	0.951	0.938	0.925	0.911	0.897	0.882	0.866

*at later of member's death or early retirement age

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 22: Conversion to Monthly Spouse Benefit at Later of Member's Death or Earliest Retirement Age (OPSRP only)
(Factor Multiplied by 50% of Retirement Benefit)

Spouse Age*	Age of Member at Later of Death or Earliest Early Retirement Age									
	61	62	63	64	65	66	67	68	69	70
15	0.734	0.720	0.705	0.690	0.675	0.659	0.643	0.626	0.610	0.592
16	0.735	0.721	0.706	0.691	0.676	0.660	0.644	0.627	0.610	0.593
17	0.736	0.722	0.707	0.692	0.677	0.661	0.645	0.628	0.611	0.594
18	0.738	0.723	0.708	0.693	0.678	0.662	0.646	0.629	0.612	0.595
19	0.739	0.724	0.710	0.694	0.679	0.663	0.647	0.630	0.613	0.596
20	0.740	0.726	0.711	0.696	0.680	0.664	0.648	0.631	0.614	0.597
21	0.741	0.727	0.712	0.697	0.681	0.665	0.649	0.632	0.615	0.598
22	0.743	0.728	0.714	0.698	0.683	0.667	0.650	0.634	0.617	0.599
23	0.744	0.730	0.715	0.700	0.684	0.668	0.652	0.635	0.618	0.600
24	0.746	0.732	0.717	0.701	0.686	0.670	0.653	0.636	0.619	0.602
25	0.748	0.733	0.718	0.703	0.687	0.671	0.655	0.638	0.621	0.603
26	0.750	0.735	0.720	0.705	0.689	0.673	0.656	0.640	0.622	0.605
27	0.752	0.737	0.722	0.707	0.691	0.675	0.658	0.641	0.624	0.606
28	0.754	0.739	0.724	0.709	0.693	0.676	0.660	0.643	0.626	0.608
29	0.756	0.741	0.726	0.711	0.695	0.679	0.662	0.645	0.628	0.610
30	0.759	0.744	0.729	0.713	0.697	0.681	0.664	0.647	0.630	0.612
31	0.761	0.746	0.731	0.715	0.699	0.683	0.666	0.649	0.632	0.614
32	0.764	0.749	0.734	0.718	0.702	0.685	0.669	0.652	0.634	0.616
33	0.767	0.752	0.736	0.721	0.705	0.688	0.671	0.654	0.636	0.618
34	0.770	0.755	0.739	0.724	0.707	0.691	0.674	0.657	0.639	0.621
35	0.773	0.758	0.743	0.727	0.710	0.694	0.677	0.659	0.642	0.624
36	0.777	0.761	0.746	0.730	0.714	0.697	0.680	0.662	0.645	0.626
37	0.780	0.765	0.749	0.733	0.717	0.700	0.683	0.666	0.648	0.629
38	0.784	0.769	0.753	0.737	0.721	0.704	0.687	0.669	0.651	0.633
39	0.788	0.773	0.757	0.741	0.725	0.708	0.690	0.673	0.654	0.636
40	0.793	0.778	0.762	0.745	0.729	0.712	0.694	0.676	0.658	0.640
41	0.798	0.782	0.766	0.750	0.733	0.716	0.698	0.681	0.662	0.643
42	0.803	0.787	0.771	0.755	0.738	0.721	0.703	0.685	0.666	0.648
43	0.808	0.793	0.776	0.760	0.743	0.725	0.708	0.690	0.671	0.652
44	0.814	0.798	0.782	0.765	0.748	0.731	0.713	0.695	0.676	0.657
45	0.821	0.805	0.788	0.771	0.754	0.736	0.718	0.700	0.681	0.662
46	0.827	0.811	0.795	0.778	0.760	0.742	0.724	0.706	0.687	0.667
47	0.834	0.818	0.801	0.784	0.767	0.749	0.730	0.712	0.693	0.673
48	0.842	0.826	0.809	0.792	0.774	0.756	0.737	0.718	0.699	0.679
49	0.850	0.834	0.817	0.799	0.781	0.763	0.744	0.725	0.706	0.686

*at later of member's death or early retirement age

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 22: Conversion to Monthly Spouse Benefit at Later of Member's Death or Earliest Retirement Age (OPSRP only)
(Factor Multiplied by 50% of Retirement Benefit)

Spouse Age*	Age of Member at Later of Death or Earliest Early Retirement Age									
	71	72	73	74	75	76	77	78	79	80
15	0.575	0.557	0.538	0.520	0.501	0.482	0.463	0.444	0.425	0.406
16	0.575	0.558	0.539	0.521	0.502	0.483	0.464	0.444	0.425	0.406
17	0.576	0.558	0.540	0.521	0.503	0.484	0.464	0.445	0.426	0.407
18	0.577	0.559	0.541	0.522	0.503	0.484	0.465	0.446	0.427	0.407
19	0.578	0.560	0.542	0.523	0.504	0.485	0.466	0.447	0.427	0.408
20	0.579	0.561	0.543	0.524	0.505	0.486	0.467	0.447	0.428	0.409
21	0.580	0.562	0.544	0.525	0.506	0.487	0.468	0.448	0.429	0.410
22	0.581	0.563	0.545	0.526	0.507	0.488	0.468	0.449	0.430	0.410
23	0.583	0.564	0.546	0.527	0.508	0.489	0.469	0.450	0.431	0.411
24	0.584	0.566	0.547	0.528	0.509	0.490	0.470	0.451	0.432	0.412
25	0.585	0.567	0.548	0.529	0.510	0.491	0.472	0.452	0.433	0.413
26	0.587	0.568	0.550	0.531	0.512	0.492	0.473	0.453	0.434	0.414
27	0.588	0.570	0.551	0.532	0.513	0.494	0.474	0.454	0.435	0.415
28	0.590	0.572	0.553	0.534	0.514	0.495	0.475	0.456	0.436	0.416
29	0.592	0.573	0.554	0.535	0.516	0.496	0.477	0.457	0.437	0.418
30	0.594	0.575	0.556	0.537	0.518	0.498	0.478	0.459	0.439	0.419
31	0.596	0.577	0.558	0.539	0.519	0.500	0.480	0.460	0.440	0.420
32	0.598	0.579	0.560	0.541	0.521	0.502	0.482	0.462	0.442	0.422
33	0.600	0.581	0.562	0.543	0.523	0.503	0.484	0.463	0.443	0.424
34	0.602	0.584	0.565	0.545	0.525	0.505	0.485	0.465	0.445	0.425
35	0.605	0.586	0.567	0.547	0.528	0.508	0.488	0.467	0.447	0.427
36	0.608	0.589	0.569	0.550	0.530	0.510	0.490	0.469	0.449	0.429
37	0.611	0.592	0.572	0.552	0.533	0.512	0.492	0.472	0.451	0.431
38	0.614	0.595	0.575	0.555	0.535	0.515	0.495	0.474	0.454	0.433
39	0.617	0.598	0.578	0.558	0.538	0.518	0.497	0.477	0.456	0.435
40	0.621	0.601	0.581	0.561	0.541	0.521	0.500	0.479	0.459	0.438
41	0.624	0.605	0.585	0.565	0.544	0.524	0.503	0.482	0.461	0.441
42	0.628	0.609	0.589	0.568	0.548	0.527	0.506	0.485	0.464	0.443
43	0.633	0.613	0.593	0.572	0.552	0.531	0.510	0.489	0.468	0.446
44	0.637	0.617	0.597	0.577	0.556	0.535	0.513	0.492	0.471	0.450
45	0.642	0.622	0.602	0.581	0.560	0.539	0.517	0.496	0.475	0.453
46	0.647	0.627	0.607	0.586	0.565	0.543	0.522	0.500	0.478	0.457
47	0.653	0.633	0.612	0.591	0.569	0.548	0.526	0.504	0.483	0.461
48	0.659	0.638	0.618	0.596	0.575	0.553	0.531	0.509	0.487	0.465
49	0.665	0.645	0.624	0.602	0.580	0.558	0.536	0.514	0.492	0.470

*at later of member's death or early retirement age

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 22: Conversion to Monthly Spouse Benefit at Later of Member's Death or Earliest Retirement Age (OPSRP only)
(Factor Multiplied by 50% of Retirement Benefit)

Spouse Age*	Age of Member at Later of Death or Earliest Early Retirement Age										
	50	51	52	53	54	55	56	57	58	59	60
50	1.006	0.996	0.984	0.973	0.961	0.948	0.934	0.921	0.906	0.891	0.875
51	1.017	1.007	0.995	0.984	0.971	0.958	0.945	0.931	0.916	0.901	0.885
52	1.029	1.019	1.007	0.995	0.983	0.970	0.956	0.942	0.927	0.912	0.896
53	1.042	1.031	1.020	1.008	0.995	0.982	0.968	0.954	0.939	0.923	0.907
54	1.056	1.045	1.033	1.021	1.008	0.995	0.981	0.966	0.951	0.935	0.919
55	1.071	1.060	1.048	1.035	1.022	1.009	0.995	0.980	0.964	0.948	0.932
56	1.087	1.076	1.064	1.051	1.038	1.024	1.009	0.994	0.979	0.963	0.946
57	1.104	1.093	1.080	1.068	1.054	1.040	1.025	1.010	0.994	0.978	0.961
58	1.123	1.111	1.098	1.085	1.072	1.057	1.043	1.027	1.011	0.994	0.977
59	1.143	1.131	1.118	1.105	1.091	1.076	1.061	1.045	1.029	1.012	0.994
60	1.164	1.152	1.139	1.125	1.111	1.096	1.081	1.065	1.048	1.031	1.013
61	1.187	1.175	1.162	1.148	1.133	1.118	1.102	1.086	1.069	1.051	1.033
62	1.212	1.199	1.186	1.172	1.157	1.142	1.126	1.109	1.091	1.073	1.055
63	1.239	1.226	1.212	1.198	1.183	1.167	1.150	1.133	1.115	1.097	1.078
64	1.267	1.254	1.240	1.225	1.210	1.194	1.177	1.159	1.141	1.122	1.103
65	1.298	1.284	1.270	1.255	1.239	1.222	1.205	1.187	1.169	1.149	1.129
66	1.330	1.316	1.302	1.286	1.270	1.253	1.236	1.217	1.198	1.178	1.158
67	1.365	1.351	1.336	1.320	1.304	1.286	1.268	1.249	1.230	1.209	1.188
68	1.403	1.388	1.373	1.357	1.340	1.322	1.303	1.284	1.264	1.243	1.221
69	1.444	1.429	1.413	1.396	1.379	1.360	1.341	1.321	1.301	1.279	1.257
70	1.489	1.473	1.457	1.440	1.421	1.402	1.383	1.362	1.341	1.319	1.295
71	1.537	1.521	1.504	1.486	1.468	1.448	1.428	1.406	1.384	1.361	1.338
72	1.590	1.573	1.556	1.537	1.518	1.498	1.477	1.455	1.432	1.408	1.383
73	1.648	1.630	1.612	1.593	1.573	1.552	1.530	1.507	1.484	1.459	1.433
74	1.710	1.692	1.673	1.653	1.633	1.611	1.588	1.565	1.540	1.515	1.488
75	1.779	1.760	1.740	1.720	1.698	1.675	1.652	1.627	1.602	1.575	1.548
76	1.853	1.834	1.813	1.792	1.769	1.746	1.721	1.696	1.669	1.641	1.612
77	1.935	1.915	1.893	1.871	1.847	1.823	1.797	1.770	1.743	1.714	1.684
78	2.024	2.003	1.980	1.957	1.932	1.907	1.880	1.852	1.823	1.793	1.761
79	2.121	2.099	2.076	2.051	2.025	1.998	1.970	1.941	1.910	1.879	1.846
80	2.228	2.204	2.180	2.154	2.127	2.098	2.069	2.038	2.006	1.973	1.938

*at later of member's death or early retirement age

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 22: Conversion to Monthly Spouse Benefit at Later of Member's Death or Earliest Retirement Age (OPSRP only)
(Factor Multiplied by 50% of Retirement Benefit)

Spouse Age*	Age of Member at Later of Death or Earliest Early Retirement Age									
	61	62	63	64	65	66	67	68	69	70
50	0.859	0.843	0.825	0.808	0.790	0.771	0.752	0.733	0.713	0.693
51	0.869	0.852	0.834	0.817	0.798	0.780	0.761	0.741	0.721	0.701
52	0.879	0.862	0.844	0.826	0.808	0.789	0.770	0.750	0.730	0.709
53	0.890	0.873	0.855	0.837	0.818	0.799	0.779	0.759	0.739	0.718
54	0.902	0.884	0.866	0.848	0.829	0.809	0.790	0.769	0.749	0.727
55	0.915	0.897	0.878	0.860	0.840	0.821	0.801	0.780	0.759	0.738
56	0.928	0.910	0.892	0.873	0.853	0.833	0.813	0.792	0.771	0.749
57	0.943	0.925	0.906	0.886	0.866	0.846	0.825	0.804	0.783	0.760
58	0.959	0.940	0.921	0.901	0.881	0.860	0.839	0.818	0.796	0.773
59	0.976	0.957	0.937	0.917	0.897	0.876	0.854	0.832	0.810	0.787
60	0.994	0.975	0.955	0.934	0.913	0.892	0.870	0.848	0.825	0.802
61	1.014	0.994	0.974	0.953	0.932	0.910	0.888	0.865	0.842	0.818
62	1.035	1.015	0.994	0.973	0.951	0.929	0.906	0.883	0.859	0.835
63	1.058	1.037	1.016	0.994	0.972	0.949	0.926	0.902	0.878	0.853
64	1.082	1.061	1.039	1.017	0.994	0.971	0.947	0.923	0.898	0.873
65	1.108	1.087	1.064	1.042	1.018	0.994	0.970	0.945	0.920	0.894
66	1.136	1.114	1.091	1.068	1.044	1.020	0.995	0.969	0.943	0.916
67	1.166	1.143	1.120	1.096	1.071	1.046	1.021	0.995	0.968	0.940
68	1.198	1.175	1.151	1.126	1.101	1.075	1.049	1.022	0.995	0.966
69	1.233	1.209	1.185	1.159	1.133	1.107	1.080	1.052	1.024	0.995
70	1.271	1.247	1.221	1.195	1.168	1.141	1.113	1.085	1.055	1.026
71	1.313	1.287	1.261	1.234	1.206	1.178	1.149	1.120	1.090	1.059
72	1.358	1.331	1.304	1.276	1.248	1.218	1.189	1.158	1.127	1.095
73	1.407	1.379	1.351	1.322	1.293	1.263	1.232	1.200	1.168	1.135
74	1.460	1.432	1.403	1.373	1.342	1.311	1.279	1.246	1.212	1.178
75	1.519	1.489	1.459	1.428	1.396	1.363	1.330	1.296	1.261	1.225
76	1.583	1.552	1.520	1.488	1.454	1.420	1.385	1.350	1.314	1.276
77	1.652	1.620	1.587	1.553	1.518	1.483	1.447	1.410	1.372	1.333
78	1.728	1.695	1.660	1.625	1.588	1.551	1.513	1.474	1.435	1.394
79	1.812	1.776	1.740	1.703	1.665	1.626	1.586	1.545	1.504	1.461
80	1.902	1.865	1.827	1.788	1.748	1.707	1.665	1.623	1.579	1.534

*at later of member's death or early retirement age

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 22: Conversion to Monthly Spouse Benefit at Later of Member's Death or Earliest Retirement Age (OPSRP only)
(Factor Multiplied by 50% of Retirement Benefit)

Spouse Age*	Age of Member at Later of Death or Earliest Early Retirement Age									
	71	72	73	74	75	76	77	78	79	80
50	0.672	0.651	0.630	0.608	0.586	0.564	0.542	0.519	0.497	0.475
51	0.680	0.659	0.637	0.615	0.593	0.570	0.548	0.525	0.502	0.480
52	0.688	0.666	0.645	0.622	0.600	0.577	0.554	0.531	0.508	0.486
53	0.697	0.675	0.653	0.630	0.607	0.584	0.561	0.538	0.515	0.492
54	0.706	0.684	0.661	0.639	0.615	0.592	0.569	0.545	0.522	0.498
55	0.716	0.693	0.671	0.648	0.624	0.601	0.577	0.553	0.529	0.505
56	0.726	0.704	0.681	0.657	0.634	0.610	0.585	0.561	0.537	0.513
57	0.738	0.715	0.691	0.668	0.643	0.619	0.595	0.570	0.545	0.521
58	0.750	0.727	0.703	0.679	0.654	0.629	0.605	0.579	0.554	0.529
59	0.764	0.740	0.715	0.691	0.666	0.641	0.615	0.590	0.564	0.539
60	0.778	0.754	0.729	0.704	0.678	0.653	0.627	0.601	0.575	0.549
61	0.793	0.769	0.743	0.718	0.692	0.666	0.639	0.613	0.586	0.560
62	0.810	0.785	0.759	0.733	0.706	0.680	0.653	0.626	0.599	0.572
63	0.828	0.802	0.776	0.749	0.722	0.695	0.667	0.639	0.612	0.584
64	0.847	0.820	0.793	0.766	0.738	0.711	0.682	0.654	0.626	0.598
65	0.867	0.840	0.813	0.785	0.756	0.728	0.699	0.670	0.641	0.612
66	0.889	0.861	0.833	0.804	0.775	0.746	0.716	0.687	0.657	0.628
67	0.913	0.884	0.855	0.826	0.796	0.766	0.735	0.705	0.674	0.644
68	0.938	0.908	0.879	0.848	0.818	0.787	0.756	0.724	0.693	0.662
69	0.965	0.935	0.904	0.873	0.842	0.810	0.778	0.746	0.713	0.681
70	0.995	0.964	0.932	0.900	0.868	0.835	0.802	0.769	0.735	0.702
71	1.027	0.995	0.963	0.929	0.896	0.862	0.828	0.794	0.759	0.725
72	1.063	1.029	0.996	0.961	0.927	0.892	0.856	0.821	0.785	0.750
73	1.101	1.067	1.032	0.996	0.960	0.924	0.887	0.850	0.814	0.777
74	1.143	1.107	1.071	1.034	0.997	0.959	0.921	0.883	0.845	0.807
75	1.189	1.152	1.114	1.075	1.037	0.997	0.958	0.918	0.878	0.839
76	1.239	1.200	1.161	1.121	1.080	1.039	0.998	0.957	0.915	0.874
77	1.293	1.253	1.212	1.170	1.128	1.085	1.042	0.999	0.956	0.913
78	1.353	1.310	1.267	1.224	1.180	1.135	1.090	1.045	1.000	0.955
79	1.418	1.373	1.328	1.283	1.236	1.190	1.142	1.095	1.048	1.001
80	1.489	1.442	1.395	1.347	1.298	1.249	1.200	1.150	1.100	1.051

*at later of member's death or early retirement age

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 23: Conversion to Monthly Spouse Benefit at Commencement Date (OPSRP only)
(Factor Multiplied by Benefit to Spouse at Later of Death or Early Retirement Age)

Spouse Age*	Age of Spouse at Later of Member's Date of Death or Earliest Early Retirement Age														
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
15	1.000	0.925	0.855	0.790	0.731	0.675	0.624	0.577	0.533	0.492	0.455	0.420	0.388	0.358	0.331
16	1.082	1.000	0.925	0.855	0.790	0.730	0.675	0.624	0.576	0.532	0.492	0.454	0.420	0.388	0.358
17	1.170	1.082	1.000	0.924	0.855	0.790	0.730	0.675	0.623	0.576	0.532	0.491	0.454	0.419	0.387
18	1.265	1.170	1.082	1.000	0.924	0.854	0.790	0.730	0.674	0.623	0.575	0.532	0.491	0.453	0.419
19	1.369	1.266	1.170	1.082	1.000	0.924	0.854	0.789	0.729	0.674	0.623	0.575	0.531	0.490	0.453
20	1.481	1.370	1.266	1.170	1.082	1.000	0.924	0.854	0.789	0.729	0.673	0.622	0.574	0.530	0.490
21	1.603	1.482	1.370	1.267	1.171	1.082	1.000	0.924	0.854	0.789	0.729	0.673	0.622	0.574	0.530
22	1.735	1.604	1.483	1.371	1.267	1.171	1.082	1.000	0.924	0.854	0.789	0.728	0.673	0.621	0.573
23	1.878	1.736	1.605	1.484	1.371	1.267	1.171	1.082	1.000	0.924	0.853	0.788	0.728	0.672	0.620
24	2.032	1.879	1.737	1.606	1.484	1.372	1.268	1.172	1.082	1.000	0.924	0.853	0.788	0.727	0.672
25	2.201	2.034	1.881	1.739	1.607	1.485	1.373	1.268	1.172	1.083	1.000	0.924	0.853	0.788	0.727
26	2.383	2.203	2.037	1.883	1.740	1.608	1.486	1.373	1.269	1.172	1.083	1.000	0.923	0.853	0.787
27	2.581	2.386	2.206	2.039	1.885	1.742	1.610	1.487	1.374	1.269	1.173	1.083	1.000	0.923	0.852
28	2.795	2.584	2.389	2.209	2.041	1.887	1.743	1.611	1.488	1.375	1.270	1.173	1.083	1.000	0.923
29	3.029	2.800	2.589	2.393	2.212	2.044	1.889	1.745	1.612	1.489	1.376	1.271	1.173	1.083	1.000
30	3.282	3.034	2.805	2.593	2.396	2.215	2.047	1.891	1.747	1.614	1.491	1.377	1.271	1.174	1.083
31	3.557	3.289	3.040	2.810	2.597	2.400	2.218	2.050	1.894	1.749	1.616	1.492	1.378	1.272	1.174
32	3.857	3.566	3.296	3.047	2.816	2.602	2.405	2.222	2.053	1.896	1.751	1.617	1.493	1.379	1.273
33	4.182	3.866	3.574	3.304	3.053	2.822	2.608	2.409	2.226	2.056	1.899	1.754	1.619	1.495	1.380
34	4.537	4.194	3.877	3.583	3.312	3.061	2.828	2.613	2.414	2.230	2.060	1.902	1.756	1.621	1.497
35	4.922	4.550	4.206	3.888	3.593	3.321	3.068	2.835	2.619	2.419	2.234	2.063	1.905	1.759	1.624
36	5.342	4.938	4.565	4.219	3.900	3.604	3.330	3.077	2.842	2.625	2.425	2.239	2.068	1.909	1.762
37	5.800	5.361	4.956	4.581	4.234	3.912	3.615	3.340	3.086	2.850	2.632	2.431	2.244	2.072	1.912
38	6.298	5.823	5.382	4.975	4.598	4.249	3.926	3.627	3.351	3.095	2.858	2.640	2.437	2.250	2.076
39	6.843	6.326	5.847	5.404	4.995	4.616	4.265	3.940	3.640	3.362	3.105	2.867	2.647	2.444	2.256
40	7.437	6.875	6.355	5.873	5.428	5.016	4.635	4.282	3.956	3.654	3.374	3.116	2.877	2.656	2.451
41	8.086	7.474	6.909	6.386	5.902	5.453	5.039	4.655	4.300	3.972	3.668	3.387	3.127	2.887	2.664
42	8.795	8.130	7.515	6.946	6.419	5.932	5.481	5.063	4.677	4.320	3.990	3.684	3.401	3.140	2.898
43	9.571	8.847	8.178	7.558	6.985	6.455	5.964	5.510	5.090	4.701	4.341	4.009	3.701	3.416	3.153
44	10.421	9.633	8.904	8.229	7.605	7.028	6.493	5.999	5.541	5.118	4.726	4.364	4.029	3.719	3.432
45	11.352	10.494	9.699	8.964	8.284	7.655	7.073	6.534	6.036	5.575	5.148	4.753	4.388	4.051	3.738
46	12.373	11.438	10.572	9.771	9.029	8.344	7.709	7.122	6.578	6.076	5.611	5.180	4.783	4.414	4.074
47	13.495	12.474	11.530	10.656	9.848	9.099	8.407	7.767	7.174	6.626	6.119	5.649	5.215	4.814	4.442
48	14.727	13.614	12.583	11.629	10.747	9.930	9.175	8.476	7.829	7.230	6.677	6.165	5.691	5.253	4.847
49	16.084	14.867	13.742	12.700	11.736	10.844	10.019	9.256	8.549	7.896	7.291	6.732	6.214	5.736	5.293

*age of spouse at date of benefit commencement

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 23: Conversion to Monthly Spouse Benefit at Commencement Date (OPSRP only)
(Factor Multiplied by Benefit to Spouse at Later of Death or Early Retirement Age)

Spouse Age*	Age of Spouse at Later of Member's Date of Death or Earliest Early Retirement Age														
	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
15	0.305	0.282	0.260	0.240	0.221	0.204	0.188	0.174	0.160	0.147	0.136	0.125	0.115	0.106	0.097
16	0.330	0.305	0.281	0.260	0.239	0.221	0.204	0.188	0.173	0.159	0.147	0.135	0.124	0.115	0.105
17	0.357	0.330	0.304	0.281	0.259	0.239	0.220	0.203	0.187	0.172	0.159	0.146	0.135	0.124	0.114
18	0.386	0.357	0.329	0.304	0.280	0.258	0.238	0.220	0.202	0.186	0.172	0.158	0.146	0.134	0.123
19	0.418	0.386	0.356	0.328	0.303	0.279	0.258	0.237	0.219	0.202	0.186	0.171	0.157	0.145	0.133
20	0.452	0.417	0.385	0.355	0.328	0.302	0.279	0.257	0.237	0.218	0.201	0.185	0.170	0.157	0.144
21	0.489	0.451	0.417	0.384	0.354	0.327	0.301	0.278	0.256	0.236	0.217	0.200	0.184	0.169	0.156
22	0.529	0.488	0.451	0.416	0.384	0.354	0.326	0.301	0.277	0.255	0.235	0.216	0.199	0.183	0.169
23	0.573	0.529	0.488	0.450	0.415	0.383	0.353	0.325	0.300	0.276	0.254	0.234	0.215	0.198	0.182
24	0.620	0.572	0.528	0.487	0.449	0.414	0.382	0.352	0.324	0.299	0.275	0.253	0.233	0.214	0.197
25	0.671	0.619	0.571	0.527	0.486	0.448	0.413	0.381	0.351	0.323	0.298	0.274	0.252	0.232	0.213
26	0.727	0.670	0.619	0.571	0.526	0.485	0.447	0.412	0.380	0.350	0.322	0.297	0.273	0.251	0.231
27	0.787	0.726	0.670	0.618	0.570	0.525	0.484	0.446	0.411	0.379	0.349	0.321	0.296	0.272	0.250
28	0.852	0.786	0.725	0.669	0.617	0.569	0.525	0.483	0.445	0.410	0.378	0.348	0.320	0.294	0.271
29	0.923	0.852	0.786	0.725	0.668	0.616	0.568	0.524	0.482	0.444	0.409	0.377	0.347	0.319	0.293
30	1.000	0.923	0.851	0.785	0.724	0.668	0.616	0.567	0.523	0.481	0.443	0.408	0.375	0.345	0.317
31	1.084	1.000	0.923	0.851	0.785	0.724	0.667	0.615	0.566	0.522	0.480	0.442	0.407	0.374	0.344
32	1.175	1.084	1.000	0.922	0.851	0.784	0.723	0.666	0.614	0.565	0.520	0.479	0.441	0.405	0.373
33	1.274	1.175	1.084	1.000	0.922	0.850	0.784	0.722	0.665	0.613	0.564	0.519	0.478	0.439	0.404
34	1.381	1.274	1.176	1.084	1.000	0.922	0.850	0.783	0.721	0.664	0.612	0.563	0.518	0.476	0.438
35	1.498	1.383	1.275	1.176	1.085	1.000	0.922	0.849	0.782	0.720	0.663	0.610	0.562	0.517	0.475
36	1.626	1.500	1.384	1.276	1.177	1.085	1.000	0.921	0.849	0.782	0.720	0.662	0.609	0.560	0.515
37	1.765	1.628	1.502	1.385	1.277	1.178	1.085	1.000	0.921	0.848	0.781	0.719	0.661	0.608	0.559
38	1.916	1.768	1.631	1.504	1.387	1.279	1.178	1.086	1.000	0.921	0.848	0.780	0.718	0.660	0.607
39	2.081	1.920	1.771	1.634	1.506	1.389	1.280	1.179	1.086	1.000	0.921	0.847	0.779	0.717	0.659
40	2.262	2.087	1.925	1.775	1.637	1.509	1.390	1.281	1.180	1.086	1.000	0.920	0.846	0.778	0.715
41	2.459	2.268	2.092	1.930	1.779	1.640	1.511	1.392	1.282	1.181	1.087	1.000	0.920	0.846	0.777
42	2.674	2.467	2.275	2.098	1.935	1.783	1.643	1.514	1.394	1.284	1.182	1.087	1.000	0.919	0.845
43	2.909	2.684	2.476	2.283	2.105	1.940	1.788	1.647	1.517	1.396	1.285	1.183	1.088	1.000	0.919
44	3.167	2.922	2.695	2.485	2.291	2.112	1.946	1.792	1.651	1.520	1.399	1.287	1.184	1.088	1.000
45	3.449	3.182	2.935	2.706	2.495	2.300	2.119	1.952	1.798	1.655	1.523	1.401	1.289	1.185	1.089
46	3.759	3.468	3.198	2.949	2.719	2.506	2.309	2.127	1.959	1.803	1.659	1.527	1.404	1.291	1.186
47	4.099	3.781	3.487	3.216	2.964	2.732	2.517	2.319	2.135	1.966	1.809	1.664	1.530	1.407	1.293
48	4.472	4.126	3.805	3.508	3.234	2.981	2.746	2.530	2.329	2.144	1.973	1.815	1.669	1.534	1.410
49	4.883	4.505	4.155	3.831	3.531	3.254	2.998	2.762	2.543	2.341	2.154	1.981	1.822	1.675	1.539

*age of spouse at date of benefit commencement

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 23: Conversion to Monthly Spouse Benefit at Commencement Date (OPSRP only)
(Factor Multiplied by Benefit to Spouse at Later of Death or Early Retirement Age)

Spouse Age*	Age of Spouse at Later of Member's Date of Death or Earliest Early Retirement Age														
	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
15	0.090	0.082	0.076	0.070	0.064	0.059	0.054	0.049	0.045	0.041	0.038	0.034	0.031	0.029	0.026
16	0.097	0.089	0.082	0.075	0.069	0.063	0.058	0.053	0.049	0.045	0.041	0.037	0.034	0.031	0.028
17	0.105	0.096	0.088	0.081	0.075	0.068	0.063	0.057	0.053	0.048	0.044	0.040	0.037	0.033	0.030
18	0.113	0.104	0.096	0.088	0.081	0.074	0.068	0.062	0.057	0.052	0.048	0.043	0.040	0.036	0.033
19	0.122	0.113	0.103	0.095	0.087	0.080	0.073	0.067	0.061	0.056	0.051	0.047	0.043	0.039	0.036
20	0.132	0.122	0.112	0.103	0.094	0.086	0.079	0.073	0.066	0.061	0.056	0.051	0.046	0.042	0.038
21	0.143	0.132	0.121	0.111	0.102	0.093	0.086	0.078	0.072	0.066	0.060	0.055	0.050	0.046	0.042
22	0.155	0.142	0.131	0.120	0.110	0.101	0.093	0.085	0.078	0.071	0.065	0.059	0.054	0.049	0.045
23	0.168	0.154	0.141	0.130	0.119	0.109	0.100	0.092	0.084	0.077	0.070	0.064	0.058	0.053	0.049
24	0.181	0.167	0.153	0.140	0.129	0.118	0.108	0.099	0.091	0.083	0.076	0.069	0.063	0.058	0.052
25	0.196	0.180	0.166	0.152	0.139	0.128	0.117	0.107	0.098	0.090	0.082	0.075	0.068	0.062	0.057
26	0.212	0.195	0.179	0.164	0.151	0.138	0.127	0.116	0.106	0.097	0.089	0.081	0.074	0.067	0.061
27	0.230	0.211	0.194	0.178	0.163	0.150	0.137	0.126	0.115	0.105	0.096	0.088	0.080	0.073	0.066
28	0.249	0.229	0.210	0.193	0.177	0.162	0.149	0.136	0.124	0.114	0.104	0.095	0.087	0.079	0.072
29	0.269	0.248	0.227	0.209	0.191	0.175	0.161	0.147	0.135	0.123	0.113	0.103	0.094	0.085	0.078
30	0.292	0.268	0.246	0.226	0.207	0.190	0.174	0.159	0.146	0.133	0.122	0.111	0.101	0.092	0.084
31	0.316	0.290	0.267	0.245	0.224	0.206	0.189	0.173	0.158	0.144	0.132	0.120	0.110	0.100	0.091
32	0.343	0.315	0.289	0.265	0.243	0.223	0.204	0.187	0.171	0.156	0.143	0.130	0.119	0.108	0.099
33	0.371	0.341	0.313	0.287	0.264	0.242	0.221	0.203	0.185	0.169	0.155	0.141	0.129	0.117	0.107
34	0.402	0.370	0.339	0.311	0.286	0.262	0.240	0.220	0.201	0.184	0.168	0.153	0.139	0.127	0.116
35	0.436	0.401	0.368	0.338	0.310	0.284	0.260	0.238	0.218	0.199	0.182	0.166	0.151	0.138	0.125
36	0.473	0.435	0.399	0.366	0.336	0.308	0.282	0.258	0.236	0.216	0.197	0.180	0.164	0.149	0.136
37	0.513	0.472	0.433	0.397	0.364	0.334	0.306	0.280	0.256	0.234	0.214	0.195	0.178	0.162	0.147
38	0.557	0.512	0.470	0.431	0.395	0.362	0.332	0.304	0.278	0.254	0.232	0.211	0.193	0.175	0.159
39	0.605	0.556	0.510	0.468	0.429	0.393	0.360	0.330	0.301	0.275	0.251	0.229	0.209	0.190	0.173
40	0.657	0.604	0.554	0.508	0.466	0.427	0.391	0.358	0.327	0.299	0.273	0.249	0.227	0.206	0.188
41	0.714	0.656	0.602	0.552	0.506	0.464	0.425	0.389	0.355	0.325	0.296	0.270	0.246	0.224	0.204
42	0.776	0.713	0.654	0.600	0.550	0.504	0.462	0.422	0.386	0.353	0.322	0.294	0.268	0.243	0.221
43	0.844	0.775	0.711	0.653	0.598	0.548	0.502	0.459	0.420	0.383	0.350	0.319	0.291	0.265	0.240
44	0.919	0.843	0.774	0.710	0.651	0.596	0.546	0.499	0.456	0.417	0.381	0.347	0.316	0.288	0.261
45	1.000	0.918	0.842	0.773	0.708	0.649	0.594	0.543	0.497	0.454	0.414	0.377	0.344	0.313	0.284
46	1.089	1.000	0.918	0.842	0.771	0.707	0.647	0.592	0.541	0.494	0.451	0.411	0.374	0.340	0.309
47	1.187	1.090	1.000	0.917	0.840	0.770	0.705	0.645	0.589	0.538	0.491	0.448	0.408	0.371	0.337
48	1.295	1.189	1.091	1.000	0.916	0.839	0.768	0.703	0.642	0.586	0.535	0.488	0.444	0.404	0.367
49	1.413	1.297	1.190	1.091	1.000	0.916	0.838	0.767	0.701	0.640	0.584	0.532	0.484	0.441	0.400

*age of spouse at date of benefit commencement

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 23: Conversion to Monthly Spouse Benefit at Commencement Date (OPSRP only)
(Factor Multiplied by Benefit to Spouse at Later of Death or Early Retirement Age)

Spouse Age*	Age of Spouse at Later of Member's Date of Death or Earliest Early Retirement Age														
	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74
15	0.024	0.022	0.020	0.018	0.016	0.015	0.013	0.012	0.011	0.010	0.009	0.008	0.007	0.006	0.005
16	0.026	0.023	0.021	0.019	0.017	0.016	0.014	0.013	0.012	0.010	0.009	0.008	0.007	0.007	0.006
17	0.028	0.025	0.023	0.021	0.019	0.017	0.015	0.014	0.012	0.011	0.010	0.009	0.008	0.007	0.006
18	0.030	0.027	0.025	0.022	0.020	0.018	0.017	0.015	0.013	0.012	0.011	0.010	0.009	0.008	0.007
19	0.032	0.029	0.027	0.024	0.022	0.020	0.018	0.016	0.014	0.013	0.012	0.010	0.009	0.008	0.007
20	0.035	0.032	0.029	0.026	0.024	0.021	0.019	0.017	0.016	0.014	0.013	0.011	0.010	0.009	0.008
21	0.038	0.034	0.031	0.028	0.026	0.023	0.021	0.019	0.017	0.015	0.014	0.012	0.011	0.010	0.008
22	0.041	0.037	0.034	0.031	0.028	0.025	0.023	0.020	0.018	0.016	0.015	0.013	0.012	0.010	0.009
23	0.044	0.040	0.036	0.033	0.030	0.027	0.024	0.022	0.020	0.018	0.016	0.014	0.013	0.011	0.010
24	0.048	0.043	0.039	0.036	0.032	0.029	0.026	0.024	0.021	0.019	0.017	0.015	0.014	0.012	0.011
25	0.052	0.047	0.043	0.039	0.035	0.031	0.028	0.026	0.023	0.021	0.018	0.016	0.015	0.013	0.012
26	0.056	0.051	0.046	0.042	0.038	0.034	0.031	0.028	0.025	0.022	0.020	0.018	0.016	0.014	0.012
27	0.060	0.055	0.050	0.045	0.041	0.037	0.033	0.030	0.027	0.024	0.021	0.019	0.017	0.015	0.013
28	0.065	0.059	0.054	0.049	0.044	0.040	0.036	0.032	0.029	0.026	0.023	0.021	0.018	0.016	0.014
29	0.071	0.064	0.058	0.053	0.048	0.043	0.039	0.035	0.031	0.028	0.025	0.022	0.020	0.018	0.016
30	0.076	0.069	0.063	0.057	0.052	0.047	0.042	0.038	0.034	0.030	0.027	0.024	0.022	0.019	0.017
31	0.083	0.075	0.068	0.062	0.056	0.050	0.045	0.041	0.037	0.033	0.029	0.026	0.023	0.021	0.018
32	0.090	0.081	0.074	0.067	0.060	0.054	0.049	0.044	0.040	0.035	0.032	0.028	0.025	0.022	0.020
33	0.097	0.088	0.080	0.072	0.065	0.059	0.053	0.048	0.043	0.038	0.034	0.031	0.027	0.024	0.021
34	0.105	0.095	0.086	0.078	0.071	0.064	0.057	0.052	0.046	0.042	0.037	0.033	0.029	0.026	0.023
35	0.114	0.103	0.094	0.085	0.077	0.069	0.062	0.056	0.050	0.045	0.040	0.036	0.032	0.028	0.025
36	0.123	0.112	0.101	0.092	0.083	0.075	0.067	0.061	0.054	0.049	0.043	0.039	0.034	0.030	0.027
37	0.134	0.121	0.110	0.099	0.090	0.081	0.073	0.066	0.059	0.053	0.047	0.042	0.037	0.033	0.029
38	0.145	0.131	0.119	0.108	0.097	0.088	0.079	0.071	0.064	0.057	0.051	0.045	0.040	0.036	0.031
39	0.157	0.143	0.129	0.117	0.106	0.095	0.086	0.077	0.069	0.062	0.055	0.049	0.044	0.039	0.034
40	0.170	0.155	0.140	0.127	0.114	0.103	0.093	0.083	0.075	0.067	0.060	0.053	0.047	0.042	0.037
41	0.185	0.168	0.152	0.138	0.124	0.112	0.101	0.090	0.081	0.073	0.065	0.058	0.051	0.045	0.040
42	0.201	0.182	0.165	0.149	0.135	0.121	0.109	0.098	0.088	0.079	0.070	0.063	0.055	0.049	0.043
43	0.218	0.198	0.179	0.162	0.146	0.132	0.119	0.107	0.096	0.085	0.076	0.068	0.060	0.053	0.047
44	0.237	0.215	0.195	0.176	0.159	0.143	0.129	0.116	0.104	0.093	0.083	0.074	0.065	0.058	0.051
45	0.258	0.234	0.212	0.192	0.173	0.156	0.140	0.126	0.113	0.101	0.090	0.080	0.071	0.063	0.055
46	0.281	0.255	0.230	0.208	0.188	0.169	0.152	0.137	0.122	0.109	0.098	0.087	0.077	0.068	0.060
47	0.306	0.277	0.251	0.227	0.205	0.184	0.166	0.149	0.133	0.119	0.106	0.094	0.084	0.074	0.065
48	0.333	0.302	0.273	0.247	0.223	0.201	0.180	0.162	0.145	0.130	0.115	0.103	0.091	0.080	0.071
49	0.363	0.329	0.298	0.269	0.243	0.219	0.197	0.176	0.158	0.141	0.126	0.112	0.099	0.087	0.077

*age of spouse at date of benefit commencement

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 23: Conversion to Monthly Spouse Benefit at Commencement Date (OPSRP only)
(Factor Multiplied by Benefit to Spouse at Later of Death or Early Retirement Age)

Spouse Age*	Age of Spouse at Later of Member's Date of Death or Earliest Early Retirement Age					
	75	76	77	78	79	80
15	0.005	0.004	0.004	0.003	0.003	0.002
16	0.005	0.005	0.004	0.003	0.003	0.003
17	0.006	0.005	0.004	0.004	0.003	0.003
18	0.006	0.005	0.005	0.004	0.003	0.003
19	0.006	0.006	0.005	0.004	0.004	0.003
20	0.007	0.006	0.005	0.005	0.004	0.003
21	0.007	0.007	0.006	0.005	0.004	0.004
22	0.008	0.007	0.006	0.005	0.005	0.004
23	0.009	0.008	0.007	0.006	0.005	0.004
24	0.009	0.008	0.007	0.006	0.005	0.005
25	0.010	0.009	0.008	0.007	0.006	0.005
26	0.011	0.010	0.008	0.007	0.006	0.005
27	0.012	0.010	0.009	0.008	0.007	0.006
28	0.013	0.011	0.010	0.009	0.007	0.006
29	0.014	0.012	0.011	0.009	0.008	0.007
30	0.015	0.013	0.011	0.010	0.009	0.007
31	0.016	0.014	0.012	0.011	0.009	0.008
32	0.017	0.015	0.013	0.012	0.010	0.009
33	0.019	0.016	0.014	0.012	0.011	0.009
34	0.020	0.018	0.015	0.013	0.012	0.010
35	0.022	0.019	0.017	0.015	0.013	0.011
36	0.024	0.021	0.018	0.016	0.014	0.012
37	0.026	0.022	0.020	0.017	0.015	0.013
38	0.028	0.024	0.021	0.018	0.016	0.014
39	0.030	0.026	0.023	0.020	0.017	0.015
40	0.032	0.028	0.025	0.021	0.018	0.016
41	0.035	0.031	0.027	0.023	0.020	0.017
42	0.038	0.033	0.029	0.025	0.022	0.019
43	0.041	0.036	0.031	0.027	0.023	0.020
44	0.045	0.039	0.034	0.029	0.025	0.022
45	0.048	0.042	0.037	0.032	0.028	0.024
46	0.053	0.046	0.040	0.035	0.030	0.026
47	0.057	0.050	0.043	0.038	0.032	0.028
48	0.062	0.054	0.047	0.041	0.035	0.030
49	0.068	0.059	0.051	0.044	0.038	0.033

*age of spouse at date of benefit commencement

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 23: Conversion to Monthly Spouse Benefit at Commencement Date (OPSRP only)
(Factor Multiplied by Benefit to Spouse at Later of Death or Early Retirement Age)

Spouse Age*	Age of Spouse at Later of Member's Date of Death or Earliest Early Retirement Age														
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
50	17.578	16.249	15.018	13.880	12.826	11.851	10.949	10.115	9.343	8.628	7.968	7.356	6.791	6.268	5.784
51	19.227	17.773	16.427	15.181	14.029	12.962	11.976	11.063	10.218	9.437	8.714	8.045	7.427	6.855	6.325
52	21.049	19.456	17.983	16.619	15.357	14.190	13.110	12.110	11.186	10.330	9.539	8.807	8.129	7.503	6.923
53	23.064	21.319	19.704	18.210	16.827	15.548	14.364	13.269	12.256	11.318	10.451	9.649	8.906	8.220	7.585
54	25.297	23.383	21.611	19.972	18.456	17.052	15.754	14.553	13.441	12.413	11.462	10.582	9.768	9.014	8.318
55	27.776	25.674	23.729	21.929	20.263	18.722	17.297	15.978	14.757	13.628	12.583	11.617	10.723	9.896	9.132
56	30.532	28.221	26.083	24.104	22.273	20.579	19.012	17.562	16.220	14.979	13.831	12.768	11.786	10.877	10.036
57	33.603	31.059	28.706	26.528	24.513	22.648	20.923	19.327	17.850	16.484	15.220	14.051	12.969	11.969	11.044
58	37.030	34.227	31.633	29.233	27.012	24.958	23.056	21.297	19.670	18.164	16.771	15.483	14.291	13.188	12.168
59	40.865	37.771	34.909	32.260	29.809	27.541	25.443	23.501	21.705	20.043	18.506	17.084	15.769	14.552	13.426
60	45.165	41.745	38.581	35.653	32.944	30.438	28.118	25.972	23.987	22.151	20.451	18.880	17.426	16.081	14.837
61	49.998	46.213	42.710	39.468	36.469	33.694	31.126	28.750	26.553	24.519	22.638	20.898	19.288	17.800	16.422
62	55.446	51.248	47.363	43.768	40.441	37.364	34.516	31.881	29.444	27.189	25.103	23.173	21.388	19.737	18.209
63	61.603	56.938	52.621	48.627	44.931	41.511	38.347	35.419	32.711	30.206	27.888	25.743	23.760	21.925	20.228
64	68.581	63.387	58.581	54.134	50.019	46.211	42.689	39.429	36.414	33.625	31.044	28.657	26.449	24.406	22.517
65	76.513	70.718	65.356	60.394	55.803	51.555	47.624	43.988	40.624	37.511	34.632	31.969	29.505	27.226	25.118
66	85.561	79.080	73.083	67.534	62.400	57.649	53.254	49.187	45.425	41.944	38.724	35.746	32.990	30.442	28.085
67	95.915	88.650	81.927	75.706	69.950	64.624	59.696	55.137	50.919	47.017	43.407	40.068	36.979	34.122	31.480
68	107.809	99.643	92.085	85.093	78.622	72.635	67.096	61.971	57.230	52.844	48.786	45.033	41.561	38.349	35.379
69	121.528	112.322	103.802	95.919	88.625	81.876	75.631	69.854	64.509	59.565	54.991	50.759	46.845	43.225	39.876
70	137.422	127.010	117.376	108.461	100.213	92.581	85.519	78.986	72.942	67.350	62.178	57.393	52.967	48.873	45.086
71	155.921	144.108	133.176	123.060	113.701	105.041	97.028	89.615	82.757	76.413	70.543	65.114	60.092	55.447	51.150
72	177.565	164.110	151.660	140.140	129.481	119.618	110.493	102.051	94.240	87.014	80.330	74.147	68.427	63.137	58.244
73	203.023	187.639	173.403	160.230	148.042	136.765	126.331	116.677	107.747	99.485	91.842	84.772	78.232	72.183	66.588
74	233.145	215.477	199.128	184.000	170.003	157.052	145.069	133.983	123.727	114.239	105.461	97.342	89.832	82.885	76.460
75	269.008	248.621	229.757	212.301	196.150	181.206	167.379	154.587	142.753	131.805	121.677	112.308	103.642	95.627	88.213
76	311.994	288.349	266.468	246.222	227.489	210.156	194.120	179.283	165.557	152.859	141.112	130.246	120.195	110.898	102.300
77	363.890	336.310	310.789	287.174	265.324	245.107	226.402	209.097	193.087	178.276	164.575	151.901	140.178	129.335	119.306
78	427.026	394.660	364.709	336.996	311.354	287.628	265.677	245.368	226.580	209.199	193.120	178.247	164.489	151.764	139.994
79	504.464	466.226	430.843	398.102	367.809	339.780	313.847	289.855	267.659	247.125	228.130	210.558	194.305	179.272	165.368
80	600.284	554.781	512.676	473.715	437.666	404.312	373.452	344.902	318.488	294.053	271.449	250.540	231.199	213.310	196.765

*age of spouse at date of benefit commencement

Mortality Table: Blended Beneficiary Mortality
Interest Rate: 8%, with 2% COLA

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 23: Conversion to Monthly Spouse Benefit at Commencement Date (OPSRP only)
(Factor Multiplied by Benefit to Spouse at Later of Death or Early Retirement Age)

Spouse Age*	Age of Spouse at Later of Member's Date of Death or Earliest Early Retirement Age														
	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
50	5.336	4.922	4.540	4.186	3.858	3.556	3.276	3.017	2.778	2.557	2.353	2.165	1.990	1.829	1.681
51	5.836	5.383	4.964	4.577	4.219	3.888	3.582	3.299	3.038	2.796	2.573	2.366	2.176	2.000	1.837
52	6.387	5.892	5.433	5.009	4.617	4.255	3.920	3.610	3.324	3.060	2.815	2.589	2.381	2.188	2.010
53	6.998	6.454	5.952	5.488	5.058	4.661	4.294	3.955	3.641	3.351	3.083	2.836	2.607	2.396	2.201
54	7.674	7.078	6.527	6.017	5.546	5.111	4.708	4.336	3.992	3.674	3.380	3.109	2.858	2.627	2.413
55	8.424	7.770	7.165	6.606	6.088	5.610	5.168	4.759	4.382	4.032	3.710	3.412	3.137	2.882	2.647
56	9.259	8.539	7.874	7.259	6.691	6.165	5.679	5.230	4.815	4.431	4.076	3.749	3.446	3.167	2.908
57	10.188	9.396	8.664	7.988	7.362	6.783	6.248	5.754	5.297	4.875	4.484	4.124	3.791	3.483	3.199
58	11.225	10.353	9.546	8.800	8.111	7.473	6.883	6.339	5.835	5.370	4.940	4.542	4.175	3.836	3.523
59	12.386	11.423	10.533	9.709	8.948	8.245	7.594	6.993	6.437	5.923	5.449	5.011	4.606	4.231	3.886
60	13.686	12.622	11.639	10.729	9.887	9.110	8.391	7.726	7.112	6.544	6.020	5.535	5.088	4.674	4.293
61	15.149	13.971	12.882	11.874	10.943	10.082	9.286	8.550	7.870	7.242	6.661	6.125	5.630	5.172	4.749
62	16.797	15.490	14.282	13.165	12.133	11.178	10.295	9.479	8.725	8.028	7.384	6.790	6.240	5.733	5.264
63	18.659	17.208	15.865	14.624	13.477	12.416	11.435	10.529	9.691	8.917	8.201	7.540	6.930	6.366	5.845
64	20.770	19.154	17.659	16.278	15.000	13.819	12.727	11.718	10.785	9.923	9.127	8.391	7.712	7.084	6.504
65	23.169	21.366	19.698	18.157	16.731	15.414	14.196	13.070	12.029	11.068	10.179	9.358	8.600	7.900	7.253
66	25.905	23.888	22.024	20.300	18.706	17.232	15.870	14.611	13.448	12.372	11.379	10.461	9.613	8.830	8.107
67	29.036	26.775	24.685	22.753	20.966	19.314	17.787	16.375	15.071	13.865	12.752	11.723	10.772	9.984	9.084
68	32.632	30.091	27.742	25.569	23.561	21.704	19.988	18.401	16.935	15.580	14.328	13.172	12.103	11.117	10.206
69	36.780	33.916	31.267	28.818	26.554	24.461	22.526	20.738	19.085	17.558	16.146	14.843	13.638	12.526	11.499
70	41.584	38.346	35.351	32.582	30.021	27.654	25.466	23.444	21.575	19.848	18.252	16.778	15.417	14.159	12.998
71	47.177	43.502	40.104	36.962	34.057	31.371	28.888	26.594	24.473	22.514	20.703	19.031	17.486	16.059	14.741
72	53.719	49.534	45.664	42.086	38.777	35.719	32.892	30.278	27.864	25.632	23.570	21.665	19.906	18.281	16.781
73	61.414	56.629	52.204	48.112	44.329	40.832	37.600	34.612	31.851	29.299	26.942	24.764	22.753	20.895	19.179
74	70.518	65.023	59.941	55.242	50.898	46.882	43.170	39.739	36.568	33.638	30.931	28.430	26.120	23.987	22.017
75	81.357	75.016	69.152	63.731	58.718	54.085	49.801	45.843	42.184	38.803	35.680	32.794	30.129	27.667	25.394
76	94.348	86.993	80.193	73.905	68.091	62.717	57.749	53.158	48.914	44.993	41.371	38.024	34.933	32.078	29.442
77	110.030	101.453	93.521	86.187	79.406	73.138	67.344	61.988	57.039	52.466	48.241	44.337	40.732	37.402	34.328
78	129.109	119.043	109.735	101.128	93.171	85.815	79.015	72.731	66.923	61.556	56.598	52.018	47.787	43.879	40.272
79	152.509	140.617	129.621	119.453	110.053	101.363	93.330	85.906	79.045	72.705	66.847	61.436	56.438	51.823	47.560
80	181.463	167.312	154.226	142.127	130.941	120.600	111.042	102.207	94.043	86.499	79.529	73.090	67.143	61.650	56.579

*age of spouse at date of benefit commencement

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 23: Conversion to Monthly Spouse Benefit at Commencement Date (OPSRP only)
(Factor Multiplied by Benefit to Spouse at Later of Death or Early Retirement Age)

Spouse Age*	Age of Spouse at Later of Member's Date of Death or Earliest Early Retirement Age														
	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
50	1.543	1.417	1.300	1.192	1.092	1.000	0.915	0.837	0.765	0.698	0.637	0.581	0.529	0.481	0.437
51	1.687	1.548	1.420	1.302	1.193	1.093	1.000	0.914	0.836	0.763	0.696	0.634	0.577	0.525	0.477
52	1.846	1.694	1.554	1.425	1.305	1.195	1.094	1.000	0.914	0.834	0.761	0.693	0.631	0.574	0.521
53	2.021	1.855	1.701	1.560	1.429	1.308	1.197	1.095	1.000	0.913	0.833	0.759	0.690	0.628	0.570
54	2.215	2.033	1.865	1.709	1.566	1.434	1.312	1.199	1.096	1.000	0.912	0.831	0.756	0.688	0.624
55	2.431	2.230	2.046	1.875	1.718	1.573	1.439	1.315	1.202	1.097	1.000	0.911	0.829	0.754	0.684
56	2.670	2.450	2.247	2.060	1.887	1.727	1.580	1.444	1.319	1.204	1.098	1.000	0.910	0.827	0.751
57	2.937	2.695	2.471	2.265	2.075	1.899	1.737	1.588	1.450	1.323	1.207	1.099	1.000	0.909	0.825
58	3.234	2.967	2.721	2.494	2.284	2.091	1.912	1.748	1.596	1.457	1.328	1.209	1.100	1.000	0.908
59	3.567	3.273	3.001	2.750	2.519	2.305	2.108	1.927	1.760	1.606	1.464	1.333	1.213	1.102	1.000
60	3.940	3.615	3.314	3.037	2.781	2.545	2.328	2.127	1.943	1.772	1.615	1.471	1.338	1.216	1.103
61	4.359	3.999	3.666	3.360	3.077	2.815	2.575	2.353	2.148	1.960	1.786	1.626	1.479	1.344	1.219
62	4.831	4.432	4.063	3.723	3.409	3.120	2.853	2.606	2.380	2.171	1.978	1.801	1.638	1.488	1.350
63	5.365	4.921	4.511	4.133	3.785	3.463	3.166	2.893	2.641	2.409	2.195	1.998	1.817	1.651	1.498
64	5.969	5.475	5.019	4.598	4.210	3.852	3.522	3.218	2.937	2.679	2.441	2.222	2.020	1.835	1.664
65	6.656	6.105	5.596	5.127	4.694	4.294	3.926	3.587	3.274	2.986	2.720	2.476	2.251	2.044	1.854
66	7.439	6.823	6.254	5.729	5.245	4.799	4.387	4.007	3.657	3.335	3.038	2.765	2.514	2.283	2.070
67	8.335	7.645	7.007	6.419	5.876	5.375	4.914	4.488	4.096	3.735	3.402	3.096	2.814	2.555	2.317
68	9.365	8.588	7.871	7.210	6.600	6.038	5.519	5.041	4.600	4.194	3.820	3.476	3.159	2.868	2.601
69	10.551	9.676	8.868	8.123	7.435	6.801	6.216	5.677	5.181	4.723	4.302	3.914	3.557	3.229	2.927
70	11.925	10.936	10.022	9.180	8.402	7.685	7.024	6.415	5.853	5.336	4.859	4.421	4.017	3.646	3.305
71	13.525	12.402	11.366	10.410	9.527	8.714	7.964	7.273	6.635	6.049	5.508	5.011	4.553	4.132	3.745
72	15.395	14.117	12.937	11.848	10.844	9.917	9.063	8.276	7.550	6.882	6.267	5.700	5.179	4.700	4.259
73	17.595	16.133	14.784	13.539	12.391	11.332	10.355	9.455	8.626	7.862	7.159	6.511	5.915	5.367	4.864
74	20.198	18.519	16.970	15.540	14.222	13.005	11.884	10.851	9.898	9.021	8.213	7.470	6.786	6.157	5.579
75	23.296	21.359	19.571	17.922	16.401	14.997	13.704	12.511	11.413	10.401	9.469	8.611	7.822	7.096	6.429
76	27.008	24.762	22.689	20.776	19.012	17.384	15.884	14.501	13.227	12.053	10.973	9.978	9.063	8.221	7.448
77	31.490	28.870	26.452	24.221	22.163	20.265	18.516	16.903	15.417	14.048	12.788	11.628	10.560	9.579	8.677
78	36.941	33.866	31.029	28.411	25.997	23.770	21.716	19.824	18.080	16.474	14.995	13.634	12.382	11.230	10.172
79	43.626	39.994	36.642	33.550	30.697	28.067	25.642	23.406	21.346	19.449	17.702	16.094	14.615	13.255	12.005
80	51.897	47.575	43.587	39.907	36.513	33.383	30.497	27.838	25.387	23.129	21.051	19.138	17.378	15.760	14.272

*age of spouse at date of benefit commencement

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 23: Conversion to Monthly Spouse Benefit at Commencement Date (OPSRP only)
(Factor Multiplied by Benefit to Spouse at Later of Death or Early Retirement Age)

Spouse Age*	Age of Spouse at Later of Member's Date of Death or Earliest Early Retirement Age														
	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74
50	0.396	0.359	0.325	0.294	0.265	0.238	0.214	0.192	0.172	0.154	0.137	0.122	0.108	0.095	0.084
51	0.433	0.392	0.355	0.320	0.289	0.260	0.234	0.210	0.188	0.168	0.149	0.133	0.117	0.104	0.091
52	0.473	0.428	0.387	0.350	0.316	0.284	0.255	0.229	0.205	0.183	0.163	0.145	0.128	0.113	0.099
53	0.517	0.468	0.424	0.383	0.345	0.311	0.279	0.250	0.224	0.200	0.178	0.158	0.140	0.123	0.109
54	0.566	0.513	0.464	0.419	0.378	0.340	0.305	0.274	0.245	0.218	0.194	0.173	0.153	0.135	0.119
55	0.621	0.562	0.508	0.459	0.414	0.372	0.334	0.300	0.268	0.239	0.213	0.189	0.167	0.147	0.130
56	0.681	0.617	0.557	0.503	0.454	0.408	0.366	0.328	0.294	0.262	0.233	0.207	0.183	0.161	0.142
57	0.748	0.677	0.612	0.553	0.498	0.448	0.402	0.360	0.322	0.287	0.256	0.227	0.201	0.177	0.155
58	0.823	0.745	0.673	0.608	0.548	0.492	0.442	0.396	0.354	0.316	0.281	0.249	0.220	0.194	0.171
59	0.906	0.820	0.742	0.669	0.603	0.542	0.486	0.436	0.389	0.347	0.309	0.274	0.242	0.213	0.187
60	1.000	0.905	0.818	0.738	0.665	0.598	0.536	0.480	0.429	0.382	0.340	0.302	0.267	0.235	0.206
61	1.105	1.000	0.904	0.815	0.734	0.660	0.592	0.530	0.474	0.422	0.375	0.333	0.294	0.259	0.227
62	1.223	1.107	1.000	0.902	0.812	0.730	0.655	0.586	0.524	0.467	0.415	0.367	0.325	0.286	0.251
63	1.357	1.227	1.109	1.000	0.900	0.809	0.726	0.649	0.580	0.517	0.459	0.407	0.359	0.316	0.277
64	1.508	1.364	1.232	1.111	1.000	0.899	0.806	0.721	0.644	0.573	0.509	0.451	0.398	0.351	0.308
65	1.679	1.519	1.372	1.237	1.113	1.000	0.897	0.802	0.716	0.638	0.566	0.502	0.443	0.390	0.342
66	1.875	1.696	1.531	1.380	1.242	1.116	1.000	0.895	0.798	0.711	0.631	0.559	0.493	0.434	0.380
67	2.098	1.897	1.713	1.544	1.389	1.248	1.118	1.000	0.892	0.794	0.705	0.624	0.551	0.484	0.424
68	2.355	2.129	1.922	1.732	1.558	1.399	1.254	1.121	1.000	0.890	0.790	0.699	0.617	0.542	0.475
69	2.650	2.396	2.162	1.948	1.753	1.573	1.410	1.260	1.124	1.000	0.887	0.785	0.692	0.609	0.533
70	2.992	2.705	2.441	2.199	1.977	1.775	1.590	1.421	1.267	1.127	1.000	0.885	0.780	0.685	0.600
71	3.390	3.064	2.764	2.490	2.239	2.009	1.800	1.608	1.434	1.275	1.131	1.000	0.881	0.774	0.678
72	3.855	3.483	3.143	2.830	2.545	2.283	2.044	1.827	1.628	1.448	1.284	1.135	1.000	0.878	0.768
73	4.401	3.977	3.587	3.230	2.904	2.605	2.332	2.083	1.856	1.650	1.463	1.293	1.139	1.000	0.875
74	5.047	4.560	4.113	3.703	3.328	2.985	2.672	2.386	2.126	1.889	1.674	1.480	1.303	1.144	1.000
75	5.816	5.254	4.738	4.266	3.833	3.437	3.076	2.747	2.447	2.174	1.926	1.701	1.498	1.314	1.149
76	6.737	6.085	5.487	4.939	4.438	3.979	3.560	3.178	2.830	2.514	2.227	1.967	1.731	1.518	1.327
77	7.849	7.088	6.391	5.752	5.167	4.632	4.144	3.698	3.293	2.924	2.590	2.286	2.012	1.764	1.541
78	9.200	8.308	7.490	6.740	6.054	5.426	4.853	4.331	3.855	3.423	3.030	2.675	2.353	2.063	1.801
79	10.857	9.803	8.837	7.951	7.141	6.400	5.723	5.106	4.544	4.034	3.570	3.150	2.771	2.428	2.119
80	12.906	11.653	10.503	9.449	8.485	7.603	6.798	6.064	5.396	4.789	4.237	3.738	3.286	2.879	2.512

*age of spouse at date of benefit commencement

**Oregon Public Employees Retirement System (Tier 1 / Tier 2) and Oregon Public Service Retirement Plan (OPSRP)
Actuarial Equivalency Factors Effective January 1, 2010**

Table 23: Conversion to Monthly Spouse Benefit at Commencement Date (OPSRP only)
(Factor Multiplied by Benefit to Spouse at Later of Death or Early Retirement Age)

Spouse Age*	Age of Spouse at Later of Member's Date of Death or Earliest Early Retirement Age					
	75	76	77	78	79	80
50	0.073	0.064	0.056	0.048	0.041	0.035
51	0.080	0.070	0.061	0.052	0.045	0.039
52	0.087	0.076	0.066	0.057	0.049	0.042
53	0.095	0.083	0.072	0.062	0.053	0.046
54	0.104	0.091	0.079	0.068	0.058	0.050
55	0.113	0.099	0.086	0.074	0.064	0.054
56	0.124	0.108	0.094	0.081	0.070	0.059
57	0.136	0.119	0.103	0.089	0.076	0.065
58	0.149	0.130	0.113	0.097	0.083	0.071
59	0.164	0.143	0.124	0.107	0.091	0.078
60	0.180	0.157	0.136	0.117	0.100	0.086
61	0.199	0.173	0.150	0.129	0.111	0.094
62	0.219	0.191	0.165	0.142	0.122	0.104
63	0.242	0.211	0.183	0.157	0.135	0.115
64	0.269	0.234	0.202	0.174	0.149	0.127
65	0.298	0.259	0.224	0.193	0.165	0.140
66	0.332	0.288	0.249	0.215	0.184	0.156
67	0.370	0.322	0.278	0.239	0.205	0.174
68	0.414	0.360	0.311	0.267	0.228	0.194
69	0.465	0.403	0.349	0.300	0.256	0.217
70	0.523	0.454	0.392	0.337	0.288	0.244
71	0.591	0.512	0.442	0.380	0.324	0.275
72	0.669	0.581	0.501	0.430	0.367	0.311
73	0.762	0.660	0.570	0.489	0.417	0.354
74	0.871	0.755	0.651	0.558	0.476	0.403
75	1.000	0.866	0.747	0.641	0.546	0.462
76	1.155	1.000	0.862	0.739	0.629	0.533
77	1.341	1.161	1.000	0.857	0.730	0.618
78	1.566	1.356	1.168	1.000	0.851	0.720
79	1.842	1.594	1.372	1.175	1.000	0.846
80	2.183	1.888	1.625	1.391	1.183	1.000

*age of spouse at date of benefit commencement

Mortality Table: Blended Beneficiary Mortality
Interest Rate: 8%, with 2% COLA

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