

Chapter 491-02 WAC

ACTUARIAL TABLES

WAC

491-02-095

Actuarial tables, schedules, and factors.

WAC 491-02-095 Actuarial tables, schedules, and factors. This chapter contains the tables, schedules, and factors adopted by the board for volunteer firefighters and reserve officers pursuant to the authority granted by RCW 41.24.185 for calculating optional retirement allowances of members of retirement systems administered by the board. These tables, schedules, and factors were adopted by the board upon the recommendation of and in light of the findings of the state actuary in his regular actuarial investigation into the mortality, service, compensation, and other experience of the members and beneficiaries of such retirement systems. The tables, schedules, and factors contained in this chapter shall govern the retirement allowances only of members retiring during the period from January 1, 2010, until such time as these tables, schedules, and factors are amended by the board following the next actuarial investigation conducted by the state actuary. The retirement allowances of members retiring before January 1, 2010, shall continue to be governed by the tables, schedules, and factors in effect at the time of each member's retirement. Any new tables, schedules, and factors adopted by the board in the future shall govern retirement allowances only of members retiring after the adoption of such new tables, schedules, and factors.

Board for Volunteer Firefighters and Reserve Officers
Table #1
Joint/Survivor Pension
Option 2 (Joint and 100% Survivor Pension with Pop-up)
(WAC 415-02-380)

Member Younger		Member Older	
Age	Option 2	Age	Option 2
Difference	100%	Difference	100%
-20	0.937	0	0.835
-19	0.933	1	0.829
-18	0.929	2	0.823
-17	0.925	3	0.818
-16	0.921	4	0.812

Member Younger		Member Older	
Age	Option 2	Age	Option 2
Difference	100%	Difference	100%
-15	0.916	5	0.807
-14	0.912	6	0.801
-13	0.907	7	0.796
-12	0.902	8	0.791
-11	0.897	9	0.786
-10	0.892	10	0.781
-9	0.886	11	0.776
-8	0.881	12	0.771
-7	0.875	13	0.767
-6	0.870	14	.762
-5	0.864	15	0.758
-4	0.858	16	0.754
-3	0.852	17	0.750
-2	0.847	18	0.746
-1	0.841	19	0.743
		20	0.739
		21	0.736
		22	0.733
		23	0.730
		24	0.727
		25	0.725
		26	0.722
		27	0.720
		28	0.717
		29	0.715
		30	0.713
		31	0.711
		32	0.709
		33	0.708
		34	0.706
		35	0.705
		36	0.703
		37	0.702
		38	0.700
		39	0.699
		40	0.698

Table #2
Survivor Pension
Early Retirement Factors
(WAC 415-02-320)

Years Early	Month 0	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11
0	1.0000	0.9922	0.9844	0.9766	0.9688	0.9610	0.9532	0.9454	0.9376	0.9298	0.9220	0.9142
1	0.9060	0.8991	0.8922	0.8853	0.8784	0.8715	0.8646	0.8577	0.8508	0.8439	0.8370	0.8301
2	0.8230	0.8168	0.8106	0.8044	0.7982	0.7920	0.7858	0.7796	0.7734	0.7672	0.7610	0.7548
3	0.7490	0.7435	0.7380	0.7325	0.7270	0.7215	0.7160	0.7105	0.7050	0.6995	0.6940	0.6885
4	0.6830	0.6781	0.6732	0.6683	0.6634	0.6585	0.6536	0.6487	0.6438	0.6389	0.6340	0.6291
5	0.6240	0.6195	0.6150	0.6105	0.6060	0.6015	0.5970	0.5925	0.5880	0.5835	0.5790	0.5745

Years Early	Month 0	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11
6	0.5700	0.5660	0.5620	0.5580	0.5540	0.5500	0.5460	0.5420	0.5380	0.5340	0.5300	0.5260
7	0.5220	0.5184	0.5148	0.5112	0.5076	0.5040	0.5004	0.4968	0.4932	0.4896	0.4860	0.4824
8	0.4790	0.4758	0.4726	0.4694	0.4662	0.4630	0.4598	0.4566	0.4534	0.4502	0.4470	0.4438
9	0.4400	0.4371	0.4342	0.4313	0.4284	0.4225	0.4226	0.4197	0.4168	0.4139	0.4110	0.4081
10	0.4050	0.4023	0.3996	0.3969	0.3942	0.3915	0.3888	0.3861	0.3834	0.3807	0.3780	0.3753
11	0.3730	0.3705	0.3680	0.3655	0.3630	0.3605	0.3580	0.3555	0.3530	0.3505	0.3480	0.3455
12	0.3430	0.3408	0.3386	0.3364	0.3342	0.3320	0.3298	0.3276	0.3254	0.3232	0.3210	0.3188
13	0.3170	0.3149	0.3128	0.3107	0.3086	0.3065	0.3044	0.3023	0.3002	0.2981	0.2960	0.2939
14	0.2920	0.2902	0.2884	0.2866	0.2848	0.2830	0.2812	0.2794	0.2276	0.2758	0.2740	0.2722
15	0.2700	0.2683	0.2666	0.2649	0.2632	0.2615	0.2598	0.2581	0.2564	0.2547	0.2530	0.2513
16	0.2500	0.2484	0.2468	0.2452	0.2436	0.2420	0.2404	0.2388	0.2372	0.2356	0.2340	0.2324
17	0.2310	0.2296	0.2282	0.2268	0.2254	0.2240	0.2226	0.2212	0.2198	0.2184	0.2170	0.2156
18	0.2140	0.2127	0.2114	0.2101	0.2088	0.2075	0.2062	0.2049	0.2036	0.2023	0.2010	0.1997
19	0.1980	0.1968	0.1956	0.1944	0.1932	0.1920	0.1908	0.1896	0.1884	0.1872	0.1860	0.1848
20	0.1840	0.1828	0.1816	0.1804	0.1792	0.1780	0.1768	0.1756	0.1744	0.1732	0.1720	0.1708
21	0.1700	0.1690	0.1680	0.1670	0.1660	0.1650	0.1640	0.1630	0.1620	0.1610	0.1600	0.1590
22	0.1580	0.1571	0.1562	0.1553	0.1544	0.1535	0.1526	0.1517	0.1508	0.1499	0.1490	0.1481
23	0.1470	0.1461	0.1452	0.1443	0.1434	0.1425	0.1416	0.1407	0.1398	0.1389	0.1380	0.1371
24	0.1360	0.1352	0.1344	0.1336	0.1328	0.1320	0.1312	0.1304	0.1296	0.1288	0.1280	0.1272
25	0.1260	0.1253	0.1246	0.1239	0.1232	0.1225	0.1218	0.1211	0.1204	0.1197	0.1190	0.1183
26	0.1180	0.1173	0.1166	0.1159	0.1152	0.1145	0.1138	0.1131	0.1124	0.1117	0.1110	0.1103
27	0.1090	0.1084	0.1078	0.1072	0.1066	0.1060	0.1054	0.1048	0.1042	0.1036	0.1030	0.1024
28	0.1020	0.1018	0.1016	0.1014	0.1012	0.1010	0.1008	0.1006	0.1004	0.1002	0.1000	0.1000
29+	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000

**Table #3
Lump-Sum Settlements**

Age	Factor	Age	Factor
20	14.3791	60	11.0834
21	14.3576	61	10.8849
22	14.3347	62	10.6795
23	14.3104	63	10.4675
24	14.2845	64	10.2498
25	14.2570	65	10.0267
26	14.2277	66	9.7975
27	14.1965	67	9.5633
28	14.1633	68	9.3247
29	14.1277	69	9.0792
30	14.0898	70	8.8273
31	14.0495	71	8.5679
32	14.0068	72	8.3037
33	13.9619	73	8.0334
34	13.9146	74	7.7574
35	13.8648	75	7.4768
36	13.8125	76	7.1936
37	13.7574	77	6.9075
38	13.6993	78	6.6205
39	13.6378	79	6.3331
40	13.5726	80	6.0460
41	13.5034	81	5.7603
42	13.4300	82	5.4770
43	13.3520	83	5.2000
44	13.2693	84	4.9276
45	13.1816	85	4.6629
46	13.0887	86	4.4045
47	12.9903	87	4.1524
48	12.8860	88	3.9110
49	12.7754	89	3.6829
50	12.6582	90	3.4668
51	12.5339	91	3.2679
52	12.4021	92	3.0850
53	12.2638	93	2.9184
54	12.1178	94	2.7652

Age	Factor	Age	Factor
55	11.9639	95	2.6233
56	11.8019	96	2.4971
57	11.6327	97	2.3819
58	11.4573	98	2.2755
59	11.2742	99	2.1823

[Statutory Authority: RCW 41.24.290(2), 09-24-026, § 491-02-095, filed 11/23/09, effective 12/24/09; 03-22-024, § 491-02-095, filed 10/27/03, effective 1/1/04; 99-21-052, § 491-02-095, filed 10/18/99, effective 1/1/00; 90-24-033, § 491-02-095, filed 11/30/90, effective 12/31/90.]