EMPLOYE TRUST FUNDS—RETIREMENT FUND

Chapter Ret 4

ACTUARIAL TABLES

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Ret 4.01 Tables and procedures. The tables and procedures contained in this chapter, submitted by the actuary, are approved for use in making actuarial computations.

Ret 4.011 Life annuity. The following basic table, herein termed "Table E-Life—Employe Life Annuity", shall be used to compute the monthly annuity authorized by section 41.11 (6), Wis. Stats., which can be provided by each \$1,000 of available accumulated credits as provided below:

Rule Ret 4.011 TABLE E-LIFE EMPLOYE LIFE ANNUITY

	Monthly Life Annuity Purchased by Each \$1,000 of Accumulated Credits						
Age	Employer	Normal	Additional				
	Factors	Factors	Factors				
55	\$ 5.746	\$ 5.589	\$ 5.446				
56	5.878	5.709	5.556				
57	6.019	5.836	5.663				
58	6.169	5.966	5.790				
59	6.329	6.110	5.909				
60	6.502	6.263	6.047				
61	6.686	6.426	6.179				
62	6.885	6.601	6.383				
63	7.098	6.786	6.497				
64	7.327	6.984	6.673				
65	7.573	7.196	6.837				
66	7.836	7.422	7.033				
67	8.119	7.665	7.243				
68	8.423	7.925	7.466				
69	8.751	8.205	7.668				
70	9.108	8.504	7.918				
71	9.494	8.823	8.186				
72	9.908	9.135	8.497				
73	10.353	9.497	8.748				
74	10.829	9.886	9.074				
75	11.340	10,303	9.425				
76	11.890	10,750	9.714				
77	12.478	11,229	10.111				
78	13.105	11,671	10.481				
79	13.770	12,211	10.942				
80	14.471	12.798	11.297				
	15.208	13.313	11.748				
	15.983	13.978	12.141				
	16.801	14.564	12.658				
	17.664	15.182	13.222				
85	18.578	16.012	13.700				

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- (1) Table E-Life may be extended as required to other ages on the same actuarial basis as the values published herein.
- (2) The amount of monthly annuity provided by accumulated prior service credits and municipality credits shall be computed by application of the employer credit factor at the age of the annuitant on the date the annuity begins.
- (3) The amount of monthly annuity provided by accumulated normal credits and additional credits shall be computed by application of the normal and additional factors, respectively, at the age of the annuitant on the date the annuity begins.

History: 1-2-56; am. Register, November, 1957, No. 23, eff. 12-31-57; r. and recr., Register, June 1967, No. 138, eff. 7-1-67; am. intro. par. Register, February, 1970, No. 170, eff. 3-1-70.

Ret 4.012 Employe 180 payment annuity. The following basic table, herein termed "Table E-180-Employe 180 Month Certain," shall be used to compute the annuity authorized by section 41.11 (7) (a) to (d) inclusive, Wis. Stats., which is the actuarial equivalent of an annuity payable under section 41.11 (6):

Table E—180
Employe 180 Month Certain
Amount of Optional Annuity Actuarially Equivalent to Ordinary Annuity

Age	Reduction Factors	Age	Reduction Factors
55	9414 9346 	71	.7264 .7029 .6736 .6538 .6285 .6030 .5770 .5519 .5273 .5035 .4807 .4587 .457 .4377 .4176

- (1) Table E-180 may be extended as required to other ages on the same actuarial basis as the values published herein.
- (2) The amount of annuity with a guarantee of 180 monthly payments shall be computed by application to the amount of annuity payable if no optional form is elected, of the Table E-180 factor at the age of the annuitant on the date the annuity begins.

History: 1-2-56; am. Register, November, 1957, No. 23, eff. 12-31-57; r. and recr., Register, June, 1967, No. 138, eff. 7-1-67; am. intro. and Table E-180, Register, February, 1970, No. 170, eff. 3-1-70.

Ret 4.013 Employe 120 payment annuity. The following basic table, herein termed "Table E-120-Employe 120 Month Certain," shall be

Rule Ret 4.034 TABLE E-LAST SURVIVOR

Difference in Age of Beneficiary	Age of Participating Employe										
	60	61	62	63	64	65	66	67	68	69	70
15 years less 14 years less 13 years less 12 years less 11 years less	.6308 .6380 .6455 .6533 .6615	.6202 .6276 .6354 .6434 .6518	.6094 .6171 .6251 .6334 .6421	.5984 .6063 .6145 .6231 .6321	.5875 .5956 .6041 .6129 .6222	.5765 .5849 .5937 .6028 .6124	.5656 .5742 .5832 .5927 .6026	.5546 .5634 .5727 .5825 .5927	.5434 .5526 .5621 .5722 .5827	.5320 .5414 .5512 .5616 .5724	.520 .530 .540 .551 .562
10 years less	.6699 .6787 .6877 .6971 .7068	.6606 .6696 .6791 .6888 .6989	.6511 .6605 .6703 .6804 .6908	.6414 .6512 .6612 .6717 .6825	.6319 .6419 .6524 .6632 .6745	.6224 .6328 .6436 .6548 .6665	.6129 .6237 .6349 .6465 .6585	.6034 .6145 .6261 .6381 .6505	.5937 .6052 .6172 .6296 .6424	.5838 .5956 .6079 .6208 .6341	.574 .586 .599 .612 .626
5 years less	.7168 .7271 .7877 .7484 .7594	.7092 .7199 .7309 .7421 .7535	.7016 .7127 .7240 .7357 .7475	.6937 .7052 .7170 .7291 .7414	.6860 .6980 .7102 .7227 .7355	.6785 .6908 .7035 .7165 .7297	.6709 .6837 .6969 .7104 .7241	.6634 .6766 .6903 .7042 .7185	.6557 .6695 .6836 .6981 .7130	.6478 .6620 .6767 .6917 .7072	.640 .655 .670 .685
Same	.7706	.7651	.7595	.7539	.7485	.7432	.7381	.7331	.7282	.7230	.718
1 year more 2 years more 3 years more 4 years more 5 years more 5 years more	.7818 .7932 .8046 .8161 .8275	.7768 .7886 .8005 .8124 .8248	.7717 .7840 .7964 .8088 .8212	.7665 .7793 .7922 .8051 .8181	.7616 .7749 .7884 .8018 *	.7569 .7708 .7848 .7988 .8128	.7524 .7668 .7814 .7960 .8104	.7480 .7630 .7781 .7932 .8080	.7436 .7592 .7748 .7903 .8055	.7390 .7551 .7711 .7869 .8025	.734 .751 .767 .783 .799
6 years more	.8389 .8501 .8613 .8722 .8829	.8362 .8479 .8595 .8709 .8819	.8336 .8458 .8579 .8696 .8809	.8309 .8437 .8561 .8682 .8798	.8287 .8418 .8546 .8670 .8789	.8266 .8401 .8532 .8659 .8780	.8246 .8384 .8518 .8648 .8772	.8225 .8367 .8504 .8636 .8763	.8203 .8348 .8488 .8623 .8754	.8176 .8324 .8468 .8606 .8739	.815 .830 .845 .859

History: Cr. Register, December, 1965, No. 120, eff. 1-1-66; am. (table only), Register June, 1967, No. 138, eff. 7-1-67; am. intro. and (2), Register, February, 1970, No. 170, eff. 3-1-70.

Ret 4.11 Prescribed interest. The prescribed rate of interest shall be 4% per annum compounded annually.

History: 1-2-56; am. Register, November, 1957, No. 23, eff. 12-31-57; am. Register, June, 1967, No. 138, eff. 7-1-67.

Ret 4.21 History: 1-2-56; am. Register, August, 1963, No. 92, eff. 9-1-63; r. Register, December, 1965, No. 120, eff. 1-1-66.

Ret 4.31 Disability premiums. Pursuant to section 41.04 (1) (j) 1., Wis. Stats., the disability benefit premiums shall be as follows:

Municipality Contribution Rates-Disability Benefits

The percentage is determined for each municipality as follows:

- (1) Determine the prior calendar year earnings of all active employes under age 65.
- (2) Determine the prior calendar year earnings of all active employes.
 - (3) Divide item (1) by item (2).
- (4) Multiply the result in item (3) by 0.15%. The result is the percentage municipality rate for disability for the succeeding year.

History: 1-2-56; am. Register, November, 1957, No. 23, eff. 12-31-57; am. Register, July, 1962, No. 79, eff. 8-1-62; am. Register, November, 1964, No. 107, eff. 12-1-64; am. Register, December, 1965, No. 120, eff. 1-1-66; am. (4), Register, October, 1967, No. 142, eff. 11-1-67; am. (4), Register, August, 1968, No. 152, eff. 9-1-68; am. intro. par. and (4), Register, February, 1970, No. 170. eff. 3-1-70.

- Ret 4.32 Disability reserve. The amount credited to the reserve for annuities granted upon the granting of any disability annuity shall be determined on the following actuarial bases:
- (1) DISABILITY ANNUITY TO EMPLOYE. The basis underlying the factors in section Ret 4.011, Table E-Life, modified by the assumption (1) of a mortality rate of 12% for the first year the annuity is payable; and (2) that the age of the employe is 5 years older than his actual age.
- (2) DEATH BENEFIT UNDER SECTION 41.14 (2) (e), Wis. Stats. The basis underlying the factors in section Ret 4.031, Table B-Life.

History: 1-2-56; am. Register, November, 1957, No. 23. eff. 12-31-57; am. Register, April, 1962, No. 76, eff. 5-1-62; am. (1), Register, June, 1967, No. 138, eff. 7-1-67; am. (2), Register, February, 1970, No. 170 eff. 3-1-70.

Ret 4.35 History: Cr. Register, April, 1960, No. 52 eff. 5-1-60; r. Register, February, 1970, No. 170, eff. 3-1-70.

Oi. Ret 4.50 Not. Reg 1970