



## RETIREMENT FORMULAS AND BENEFIT FACTORS

The chart below shows how the benefit factor increases for each quarter year of age from 50 to 63.

2% at Age 60 Benefit Formula Minimum Age for Retirement 50				
Age	Exact Year	¼ Year	½ Year	¾ Year
50	1.092%	1.108%	1.124%	1.140%
51	1.156%	1.172%	1.190%	1.206%
52	1.224%	1.242%	1.260%	1.278%
53	1.296%	1.316%	1.336%	1.356%
54	1.376%	1.396%	1.418%	1.438%
55	1.460%	1.482%	1.506%	1.528%
56	1.552%	1.576%	1.600%	1.626%
57	1.650%	1.678%	1.704%	1.730%
58	1.758%	1.786%	1.816%	1.846%
59	1.874%	1.906%	1.938%	1.970%
60	2.000%	2.034%	2.068%	2.100%
61	2.134%	2.168%	2.202%	2.238%
62	2.272%	2.308%	2.346%	2.382%
63 or older	2.418%	—	—	—

PERCENTAGE OF FINAL COMPENSATION



Age	50	51	52	53	54	55	56	57	58	59	60	61	62	63+
Benefit Factor	1.092	1.156	1.224	1.296	1.376	1.460	1.552	1.650	1.758	1.874	2.000	2.134	2.272	2.418
Years of Service	Percentage of Final Compensation													
5	5.46	5.78	6.12	6.48	6.88	7.30	7.76	8.25	8.79	9.37	10.00	10.67	11.36	12.09
6	6.55	6.94	7.34	7.78	8.26	8.76	9.31	9.90	10.55	11.24	12.00	12.80	13.63	14.51
7	7.64	8.09	8.57	9.07	9.63	10.22	10.86	11.55	12.31	13.12	14.00	14.94	15.90	16.93
8	8.74	9.25	9.79	10.37	11.01	11.68	12.42	13.20	14.06	14.99	16.00	17.07	18.18	19.34
9	9.83	10.40	11.02	11.66	12.38	13.14	13.97	14.85	15.82	16.87	18.00	19.21	20.45	21.76
10	10.92	11.56	12.24	12.96	13.76	14.60	15.52	16.50	17.58	18.74	20.00	21.34	22.72	24.18
11	12.01	12.72	13.46	14.26	15.14	16.06	17.07	18.15	19.34	20.61	22.00	23.47	24.99	26.60
12	13.10	13.87	14.69	15.55	16.51	17.52	18.62	19.80	21.10	22.49	24.00	25.61	27.26	29.02
13	14.20	15.03	15.91	16.85	17.89	18.98	20.18	21.45	22.85	24.36	26.00	27.74	29.54	31.43
14	15.29	16.18	17.14	18.14	19.26	20.44	21.73	23.10	24.61	26.24	28.00	29.88	31.81	33.85
15	16.38	17.34	18.36	19.44	20.64	21.90	23.28	24.75	26.37	28.11	30.00	32.01	34.08	36.27
16	17.47	18.50	19.58	20.74	22.02	23.36	24.83	26.40	28.13	29.98	32.00	34.14	36.35	38.69
17	18.56	19.65	20.81	22.03	23.39	24.82	26.38	28.05	29.89	31.85	34.00	36.28	38.62	41.11
18	19.66	20.81	22.03	23.33	24.77	26.28	27.94	29.70	31.64	33.73	36.00	38.41	40.90	43.52
19	20.75	21.96	23.26	24.62	26.14	27.74	29.49	31.35	33.40	35.61	38.00	40.55	43.17	45.94
20	21.84	23.12	24.48	25.92	27.52	29.20	31.04	33.00	35.16	37.48	40.00	42.68	45.44	48.36
21	22.93	24.28	25.70	27.22	28.90	30.66	32.59	34.65	36.92	39.35	42.00	44.81	47.71	50.78
22	24.02	25.43	26.93	28.51	30.27	32.12	34.14	36.30	38.68	41.23	44.00	46.95	49.98	53.20
23	25.12	26.59	28.15	29.81	31.65	33.58	35.70	37.95	40.43	43.10	46.00	49.08	52.26	55.61
24	26.21	27.74	29.38	31.10	33.02	35.04	37.25	39.60	42.19	44.98	48.00	51.22	54.53	58.03
25	27.30	28.90	30.60	32.40	34.40	36.50	38.80	41.25	43.95	46.85	50.00	53.35	56.80	60.45
26	28.39	30.06	31.82	33.70	35.78	37.96	40.35	42.90	45.71	48.72	52.00	55.48	59.07	62.87
27	29.48	31.21	33.05	34.99	37.15	39.42	41.90	44.55	47.47	50.60	54.00	57.62	61.34	65.29
28	30.58	32.37	34.27	36.29	38.53	40.88	43.46	46.20	49.22	52.47	56.00	59.75	63.62	67.70
29	31.67	33.52	35.50	37.58	39.90	42.34	45.01	47.85	50.98	54.35	58.00	61.89	65.89	70.12
30	32.76	34.68	36.72	38.88	41.28	43.80	46.56	49.50	52.74	56.22	60.00	64.02	68.16	72.54
31	33.85	35.84	37.94	40.18	42.66	45.26	48.11	51.15	54.50	58.09	62.00	66.15	70.43	74.96
32	34.94	36.99	39.17	41.47	44.03	46.72	49.66	52.80	56.26	59.97	64.00	68.29	72.70	77.38
33	36.04	38.15	40.39	42.77	45.14	48.18	51.22	54.45	58.01	61.84	66.00	70.42	74.98	79.79
34	—	39.30	41.62	44.06	46.78	49.64	52.77	56.10	59.77	63.72	68.00	72.56	77.25	82.21
35	—	—	42.84	45.36	48.16	51.10	54.32	57.75	61.53	65.59	70.00	74.69	79.52	84.63
36	—	—	—	46.66	49.54	52.56	55.87	59.40	63.29	67.46	72.00	76.82	81.79	87.05
37	—	—	—	—	50.91	54.02	57.42	61.05	65.05	69.34	74.00	78.96	84.06	89.47
38	—	—	—	—	—	55.48	58.98	62.70	66.80	71.21	76.00	81.09	86.34	91.88
39	—	—	—	—	—	—	60.53	64.35	68.56	73.09	78.00	83.23	88.61	94.30
40	—	—	—	—	—	—	—	66.00	70.32	74.96	80.00	85.36	90.88	96.72