

# Actuarial Factors

Effective January 1, 2020 - June 30, 2024

As a result of changes in the interest rate and retiree mortality assumptions, service purchase and payment option factors were adjusted based on the [2018 Experience Study](#). The factors in effect from January 1, 2020 through June 30, 2024 are listed below.

The [most recent experience study](#) was approved by the CERS and KRS Boards of Trustees in 2022. As a result of changes in the interest rate assumptions, factors will be adjusted effective July 1, 2024. [These factors are published on our website.](#)

Actuarial factors are used in two main ways:

1. The factors help determine the amount of retirement benefits to be paid under various retirement benefit payment options, including Tier 3 annuity amounts.
2. Actuarial factors are used when calculating the cost of service purchases and Hazardous Conversion Factors.

Members are encouraged to visit [Member Self Service](#) to determine any impact factor changes may have on retirement estimates or service purchase costs.

NONHAZARDOUS	
Age at Retirement	Actuarial Factor
57	175.163644
58	172.542464
59	169.925609
60	167.346525
61	164.764198
62	162.142797
63	159.451715
64	156.665325
65	153.762907
66	150.728886
67	147.552258
68	144.226735
69	140.750536
70	137.125678
71	133.358503
72	129.458446
73	125.438014
74	121.312562
75	117.098779
76	112.815417
77	108.482166
78	104.119047
79	99.746061
80	95.382974

HAZARDOUS	
Age at Retirement	Actuarial Factor
43	200.709276
44	199.022455
45	197.256200
46	195.424407
47	193.528832
48	191.574284
49	189.565335
50	187.509206
51	185.416934
52	183.239644
53	180.975153
54	178.618594
55	176.167668
56	173.617409
57	170.963698
58	168.224667
59	165.545982
60	162.899727
61	160.244237
62	157.543528
63	154.767311
64	151.890423
65	148.893196

HAZARDOUS	
Age at Retirement	Actuarial Factor
66	145.761198
67	142.484927
68	139.059905
69	135.486120
70	131.767698
71	127.912922
72	123.933232
73	119.843128
74	115.659498
75	111.400832
76	107.087137
77	102.739047