



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 <u>2018 Experience Study</u>. 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 <u>Member Self Service</u> to determine any impact factor changes may have on retirement estimates or service purchase costs.

	NONHAZ	ZARDOUS
58 172.542464 44 199.022455 67 59 169.925609 45 197.256200 68 60 167.346525 46 195.424407 69 61 164.764198 47 193.528832 70 62 162.142797 48 191.574284 71 63 159.451715 49 189.565335 72 64 156.665325 50 187.509206 73 65 153.762907 51 185.416934 74 66 150.728886 52 183.239644 75 67 147.552258 53 180.975153 76 68 144.226735 54 178.618594 77 69 140.750536 55 176.167668 73 70 137.125678 55 176.545982 74 71 133.358503 57 170.963698 74 74 121.312562 60 162.899727 61 160.244237 75 117.098779 61 160.244237 74 148.8931	Age at Retirement	
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60167.34652546195.4244076961164.76419847193.5288327062162.14279748191.5742847163159.45171549189.5653357264156.66532550187.5092067365153.76290751185.4169347466150.72888652183.2396447567147.55225853180.9751537668144.22673555176.1676687769140.75053655176.16766870137.12567857170.96369872129.45844658168.22466773125.43801459165.54598274121.31256260162.89972775117.09877961160.24423776112.81541762157.54352877108.48216663154.76731178104.11904764151.8904237999.74606165148.893196	58	172.542464
61164.76419847193.5288327062162.14279748191.5742847163159.45171549189.5653357264156.66532550187.5092067365153.76290751185.4169347466150.72888652183.2396447567147.55225853180.9751537668144.22673554178.6185947769140.75053655176.1676687770137.12567856173.61740971133.35850357170.96369872129.45844658168.22466773125.43801459165.54598274121.31256260162.89972775117.09877961160.24423776112.81541762157.54352877108.48216663154.76731178104.11904764151.8904237999.74606165148.893196	59	169.925609
61 160.001000 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 60 160.244237 76 112.815417 76 112.815417 76 112.815417 76 151.890423 77 108.482166 78 104.119047 79 99.746061	60	167.346525
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64 156.665325 50 187.509206 65 153.762907 51 185.416934 66 150.728886 52 183.239644 67 147.552258 53 180.975153 68 144.226735 54 178.618594 69 140.750536 55 176.167668 70 137.125678 56 173.617409 71 133.358503 57 170.963698 72 129.458446 58 168.224667 73 125.438014 59 165.545982 74 121.312562 60 162.899727 75 117.098779 61 160.244237 76 112.815417 62 157.543528 77 108.482166 63 154.767311 78 104.119047 64 151.890423 79 99.746061 65 148.893196	62	162.142797
61130.00532565153.76290751185.4169347466150.72888652183.2396447567147.55225853180.9751537668144.22673554178.6185947769140.75053655176.1676687770137.12567856173.61740971133.35850357170.96369872129.45844658168.22466773125.43801459165.54598274121.31256260162.89972775117.09877961160.24423776112.81541762157.54352877108.48216663154.76731178104.11904764151.8904237999.74606165148.893196	63	159.451715
66 150.728886 52 183.239644 75 67 147.552258 53 180.975153 76 68 144.226735 54 178.618594 77 69 140.750536 55 176.167668 77 69 140.750536 55 170.167668 77 70 137.125678 56 173.617409 71 133.358503 57 170.963698 72 129.458446 59 165.545982 74 121.312562 60 162.899727 75 117.098779 61 160.244237 76 112.815417 62 157.543528 77 108.482166 63 154.767311 78 104.119047 64 151.890423 79 99.746061 65 148.893196	64	156.665325
67 147.552258 53 180.975153 76 68 144.226735 54 178.618594 77 69 140.750536 55 176.167668 77 70 137.125678 56 173.617409 71 133.358503 57 170.963698 72 129.458446 58 168.224667 73 125.438014 59 165.545982 74 121.312562 60 162.899727 75 117.098779 61 160.244237 76 112.815417 62 157.543528 77 108.482166 63 154.767311 78 104.119047 64 151.890423 79 99.746061 65 148.893196	65	153.762907
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 76 112.815417 78 104.119047 79 99.746061	66	150.728886
69 140.750536 50 176.167668 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	67	147.552258
70137.12567871133.35850372129.45844673125.43801474121.31256275117.09877976112.81541777108.48216678104.1190477999.746061	68	144.226735
70133.12507071133.35850372129.45844673125.43801474121.31256275117.09877976112.81541777108.48216678104.1190477999.746061	69	140.750536
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72125.13611073125.43801474121.31256275117.09877976112.81541777108.48216678104.1190477999.746061	71	133.358503
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77108.48216663154.76731178104.11904764151.8904237999.74606165148.893196	75	117.098779
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80 95.382974	79	99.746061
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