

PERS Benefit Costs, Contributions, and Funding History

Fiscal Year	Estimated cost of benefits (Normal Cost)	EE Contrib as % of pay	ER Base Contrib	State GF Offset For Local Govt	State GF Offset For Schools	State GF Cash Infusions	Total Contribution	Market Rate of Return (ROI) <small>(all systems for FY96 - FY04)</small>	Actuarial ROI (smoothed market ROI)	Assumed ROI	Funded Ratio (rounded)	Amortization Period (rounded)
FY 94	10.21%	6.70%	6.70%	0	0		13.40%	12.60	not avail	8.00%	80%	16 years
FY 96	10.30	6.70	6.70	0	0		13.40	12.48	not avail	8.00	89	11 years
FY 98	11.41	6.80	6.80	0.10	0.10		13.50	16.68	not avail	8.00	92	13 years
FY 00	10.69	6.90	6.90	0.10	0.10		13.80	7.84	not avail	8.00	125	0
FY 02	12.21	6.90	6.90	0.10	0.10		13.80	-7.29	not avail	8.00	100	0
FY 04	12.08	6.90	6.90	0.10	0.10		13.80	13.42	not avail	8.00	87	DNA
FY 05	12.12			0.10	0.10	\$25 m	13.80	8.03	5.32	8.00	86	DNA
FY 06	12.17	6.90	6.90	0.10	0.10		13.80	8.98	8.98	8.00	88	DNA
FY 07	12.22	6.90	6.90	0.10	0.10		13.80	17.92	11.94	8.00	91	22 years
FY 08	12.13	6.90	7.035	0.10	0.235		13.935	-4.91	7.62	8.00	90	25 years
FY 09	12.16	6.90	7.035	0.10	0.235		13.935	-20.85	-0.16	8.00	84	DNA
FY 10	12.61	6.90	7.17	0.10	0.37		14.07	12.91	-1.18	7.75	74	DNA
FY 11	12.59	6.90	7.17	0.10	0.37		14.07	21.70	-0.08	7.75	70	DNA
FY 12	11.80	7.90 <small>new hires</small>	7.17	0.10	0.37		14.94	2.27	3.28	7.75	68	DNA
FY 13	10.90	7.90 <small>new hires</small>	7.17	0.10	0.37		15.03	12.99	11.91	7.75	80	15 years
FY 14	11.63	7.90 all	8.17	0.10	0.37	\$30 m	19.03	17.12	13.21	7.75	74	29 years
FY 15	11.18	7.90	8.27	0.10	0.37	\$31.5 m	19.03	4.60	9.63	7.75	76	27 years
FY 16	11.34	7.90	8.37	0.10	0.37	\$29.8 m	18.83	2.02	9.27	7.75	77	26 years
FY 17	9.86	7.90	8.47	0.10	0.37	\$27.9 m	18.63	11.93	8.08	7.75	73	30 years
FY 18	10.27	7.90	8.57	0.10	0.37	\$31.4 m	19.23	8.90	6.69	7.65	74	38 years
FY 19	10.09	7.90	8.67*	0.10	0.37	\$32 m**	19.33	5.65	7.06	7.65	74	36 years

*ER contributions - will increase 0.1% each FY until June 30, 2024 (for a total increase of 2.27% - began as 1.27% increase in FY 14 with 0.1% additional in each FY).

**State GF cash infusions increase by 1% each subsequent FY - legislative action required to terminate (no automatic trigger to terminate)

Triggers terminating contribution increases:

EE contributions will decrease by 1% if amortization would not exceed 25 years

ER contributions will decrease by 1% and the .27% state GF offset for schools - phase-in started in FY 08 - will terminate if amortization would not exceed 25 years

Market Return	5-Year	10-Year	20-Year	25-year
PERS	8.40%	8.07%	6.44%	7.78%

*Source: RVK Quarterly Performance Report to Montana Board of Investments, as of Sept. 30, 2018