

# Hidden Education Funding Cuts

## New Hampshire

### Pension costs are consuming nearly five-times as much state education funding today as they were two decades ago

Teacher retirement systems across the country have seen costs rise over the past two decades, driven largely by growth in pension debt (known as unfunded liabilities). The costs of paying down these shortfalls in teacher pension funds have been steadily cutting into the spending on key education priorities. The effects are felt particularly hard in high-need districts which have fewer local resources to draw on to fill in the gaps when education costs rise, creating less funding for teacher salaries and programs aimed at improving academic and other outcomes.

However, this squeeze has not been felt uniformly across all states, as revenue and education spending experiences have varied. As a result, there are notable differences in the degrees of crowd out that pension debt costs have had on education spending when looking from state-to-state.

This profile provides detailed analysis for your state, supplementing the analysis highlighted in our primary research on [Hidden Education Funding Cuts](#) in America. The state profile examines three key elements:

- **State Education Spending:** the state's "own-source" K-12 spending for 2001-2018, both in the aggregate and on a per student basis. This excludes federal funding (which is typically not used to pay pension costs) and local revenues (which also vary as a funding source from state-to-state);
- **Pension Funding Status:** the pension system's unfunded actuarially accrued liabilities (UAAL) and actuarially determined employer contributions (ADEC) for 2001-2018; &
- **Education Crowd Out:** the shares of a state's own-source K-12 spending consumed for the pension contributions paid for 2001-2018.

For each element identified above analyses are from a state budgeting perspective, excluding both federal and local funding. We offer illustrations of trends over time, and a brief analysis of those trends. The last page includes a quick glossary of terms and link to the methodology for all of the data provided.

It is important to note that all charts provide figures adjusted for inflation except for displays of state own-source K-12 spending. This allows for a reference of how much of the increase in nominal education spending is just driven by inflation as opposed to the expansion of education budgets.

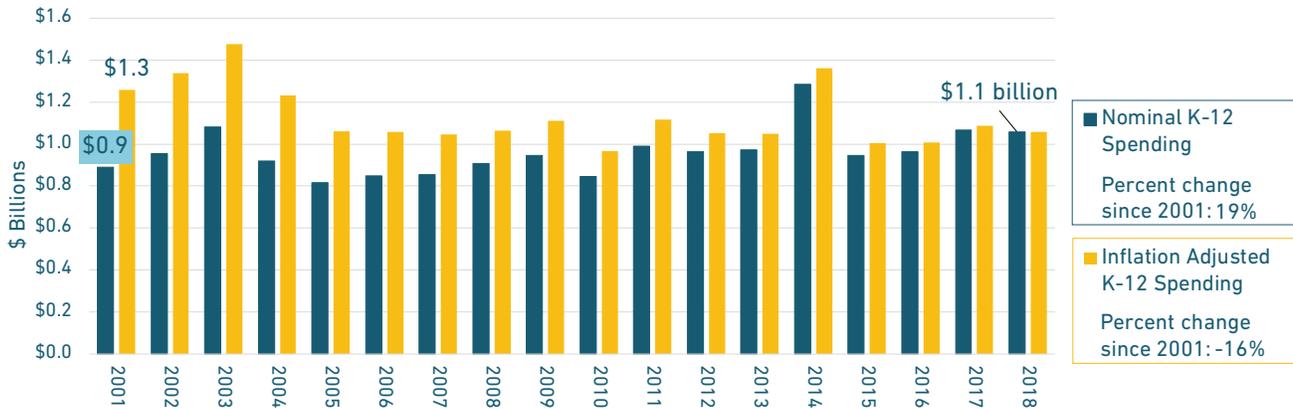
The Granite State is home to more than 1.3 million citizens, and 176,000 primary and secondary school students. In 2018, the state’s total expenditures exceeded \$6.1 billion — funds for schools, transportation, public safety, and other public services. Out of that spending, the state’s own-source expenditures — defined as all state funding that does not draw on federal or local revenue — totaled \$3.8 billion.

New Hampshire teachers are enrolled in a guaranteed income plan, known as a defined benefit pension, administered by the New Hampshire Retirement System (NHRS). NHRS manages retirement benefits for nearly 100,000 active and retired teachers, municipal employees, police and firefighters, and state workers. Although NHRS provides retirement for a wide range of people, public school employees comprise a majority (52%) of members.

## EDUCATION SPENDING

In 2018, New Hampshire’s state distributed K–12 expenditures totaled \$1.2 billion. Out of that total, \$1.1 billion came from state own-source funding while the remaining \$183 million was from federal grants and other education programs. (Local sources provided additional funding.)

**Figure NH1: New Hampshire’s state spending on education decreased by \$200 million after accounting for inflation.**



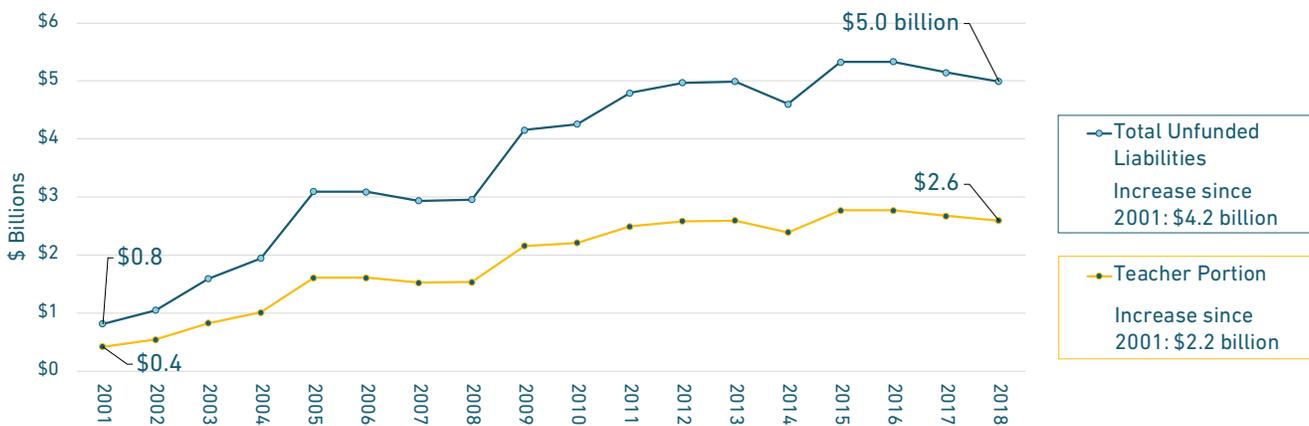
State Own-Source K–12 Spending, 2001–2018

As Figure NH1 illustrates, state spending on primary and secondary education in New Hampshire has increased moderately since 2001 — growing by \$169 million in nominal dollars; but it decreased slightly after adjusting for inflation, shrinking by \$200 million. On a dollars per student basis, spending also decreased but at a slower 1% since 2001— declining from \$6,061 to \$6,001 (inflation adjusted) — due to falling enrollment.

## PENSION FUNDING STATUS

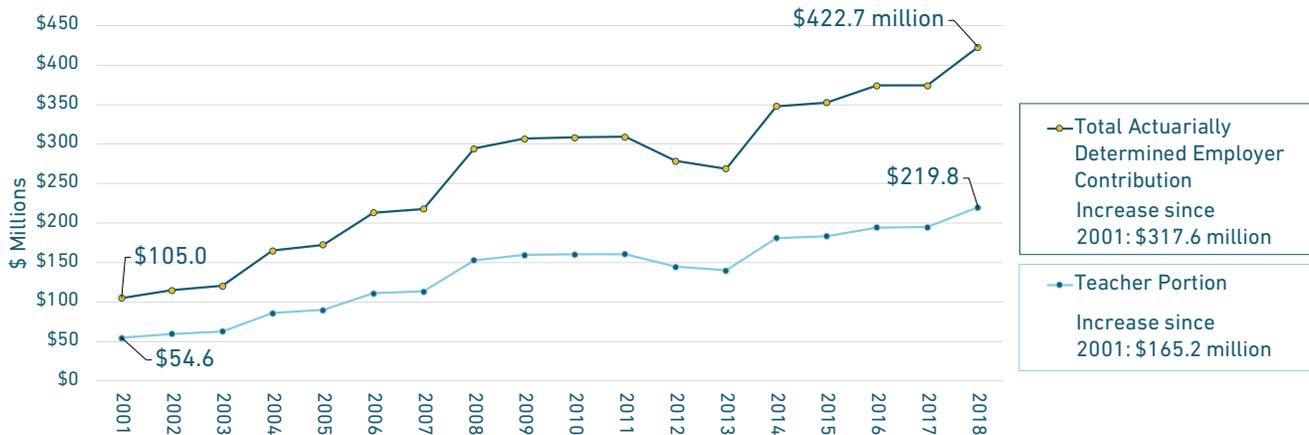
In 2001, NHRS was nearly fully funded with only \$817.8 million in pension debt. However, over the past 17 years a combination of underperforming investments coupled with changing demographics have resulted in a growing unfunded liability for NHRS — reaching roughly \$5 billion in 2018. Figure NH2 shows the change in the unfunded liabilities and Figure NH3 illustrates the change in what state actuaries have recommended as contributions from government employers.

**Figure NH2: Since 2001 NHRS’s pension debt has increased more than 400% over the past 18 years.**



NHRS Unfunded Liabilities (Actuarial Value), 2001–2018

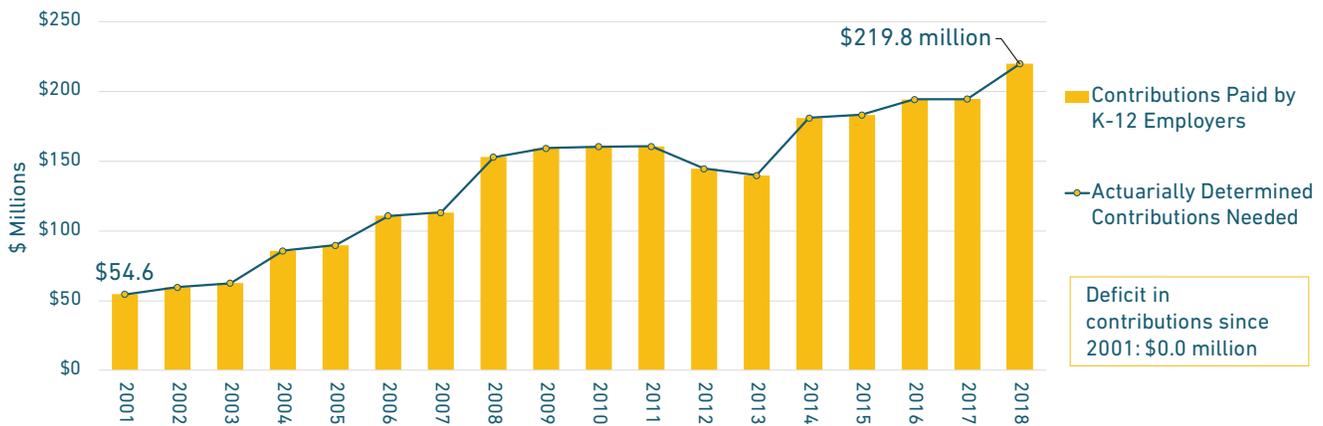
**Figure NH3: To address the pension debt the amount actuaries recommend the state and school districts should contribute to NHRS has more than quadrupled.**



NHRS Actuarially Determined Employer Contributions, 2001–2018

There are a number of states across the country that do not always ensure that the ADEC is paid in full into the pension fund each year. New Hampshire is one of the states that has demonstrated a strong commitment to paying the full required contribution, as shown in Figure NH4. As a result, the increase in contributions actually paid by K-12 employers mirrors the growing trend displayed in Figure NH3, with contributions quadrupling from \$54.6 million in 2001 to \$219.8 million in 2018.

**Figure NH4: New Hampshire paid its full actuarial bill to NHRS each year, and that means pension contributions paid have quadrupled since 2001.**



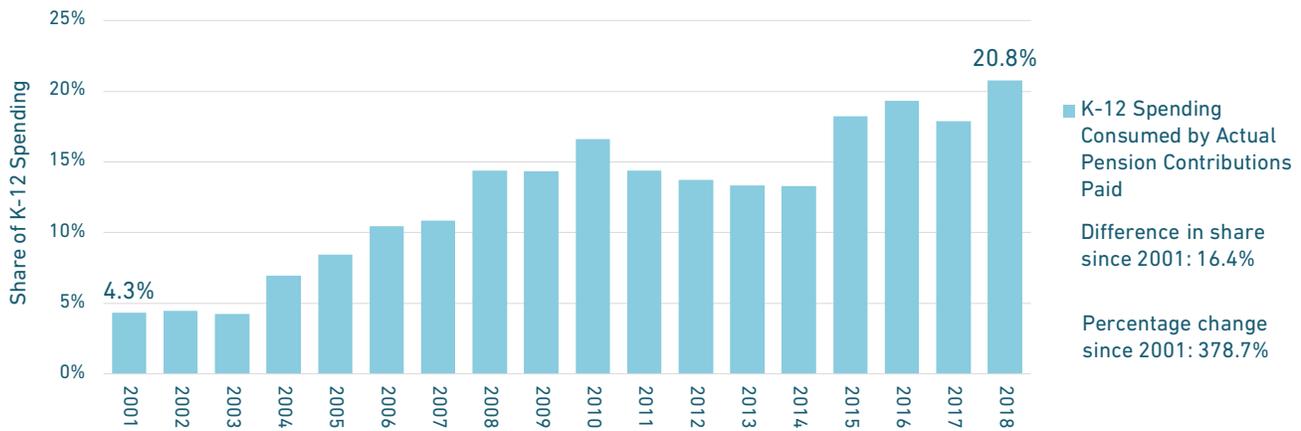
Actuarially Determined Employer Contribution Compared to Actual Contributions Paid to NHRS, 2001–2018

Paying the full required pension bill each year is the bare minimum for ensuring a pension system is fully funded. However, from the perspective of education funding, any increase in pension costs is going to be viewed negatively if it is shrinking the dollars available for teacher salaries and serving kids. In an ideal world, New Hampshire would have ensured that funding for education expanded at least as fast as the growth in the ADEC shown above. But as we show in the final chart on the next page, that hasn't happened.

## PENSION COSTS CROWDING OUT K-12 SPENDING

The growing costs of funding NHRS have soaked up an increasing share of New Hampshire’s education spending. This is especially important for teachers, as the growth in NHRS’s costs outpaced the growth in state own-source K-12 spending. In fact, NHRS’s contributions reported as a share of K-12 spending increased from 4.3% in 2001 to 20.8% in 2018.

**Figure NH5: The hidden cut to New Hampshire’s state education funding is serious. NHRS contributions are consuming five-times as much state K-12 funding in 2018 as 2001.**



Actual Pension Costs as a Share of State Own-Source K-12 Spending, 2001-2018

As Figure NH4 indicated, the cost of paying the full actuarial bill for NHRS has grown quickly in an attempt to contain the system’s expanding unfunded liabilities. When combined with declining state education K-12 funding, these trends have produced the skyrocketing hidden cut shown above in Figure NH5.

This is a serious problem, as NHRS has transitioned from consuming less than 5% of state education spending in 2001 to now requiring more than 1/5th of the entire state education budget.

New Hampshire has met its commitments to funding NHRS by paying the full ADEC each year, but the costs of paying down the system’s debt have grown significantly faster than the state’s own-source education spending. Unless there is a change that reduces NHRS’s costs and/or adjusts the state’s education funding to fully account for pension contributions, New Hampshire’s education funding will continue to suffer this hidden cut in dollars intended for serving the state’s children.

An even more concrete way to understand how changes in pension debt and pension costs have influenced education resources is to think about them relative to total student enrollment. Table NH1 shows the public school employer portions of the UAAL and actual pension contributions on a per student basis compared against state education spending. Breaking the numbers down this way shows the growth in unfunded pension liabilities and related pension contributions, and the decline in per student spending by the state. However, the slight drop in state education funding is further exacerbated by the growing pension costs. In fact, after accounting for inflation and pension costs, New Hampshire spent \$1,000 less per student in 2018 than 2001.

**Table NH1: State education spending declined by \$60 per student, but pension debt and contributions have more than quadrupled.**

Year	Total State K–12 Spending Per Student	Per Student Share of Pension Debt	Pension Debt as % of Per Student Spending	Employer Pension Cost Per Student	Per Student Spending Minus Pension Cost
2001	\$6,061	\$2,048	33.8%	\$263	\$5,798
2002	\$6,462	\$2,649	41.0%	\$289	\$6,173
2003	\$7,166	\$4,026	56.2%	\$304	\$6,862
2004	\$6,000	\$4,932	82.2%	\$418	\$5,582
2005	\$5,183	\$7,871	151.9%	\$439	\$4,744
2006	\$5,201	\$7,901	151.9%	\$545	\$4,656
2007	\$5,209	\$7,604	146.0%	\$565	\$4,644
2008	\$5,375	\$7,772	144.6%	\$773	\$4,602
2009	\$5,633	\$10,955	194.5%	\$809	\$4,824
2010	\$4,964	\$11,365	228.9%	\$824	\$4,140
2011	\$5,812	\$12,986	223.4%	\$837	\$4,975
2012	\$5,573	\$13,672	245.4%	\$766	\$4,807
2013	\$5,621	\$13,934	247.9%	\$751	\$4,871
2014	\$7,364	\$12,963	176.0%	\$980	\$6,384
2015	\$5,506	\$15,185	275.8%	\$1,005	\$4,501
2016	\$5,564	\$15,329	275.5%	\$1,075	\$4,489
2017	\$6,092	\$14,986	246.0%	\$1,090	\$5,003
2018	\$6,001	\$14,725	245.4%	\$1,247	\$4,754

Notes: Values are inflation adjusted dollars spent per student to allow for comparison of spending over time. Figures reflect the K–12 employer portion of liabilities and employer contributions.

Per Student Share of NHRS Unfunded Liabilities and Actual K–12 Employer Contributions, 2001–2018

## ABOUT THIS PROJECT

The growing cost of unfunded pension promises is having direct and immediate influence on the ability of local school districts to serve children. To show how hidden education funding cuts work, we built a dataset of state-level K–12 education spending and combined it with contribution rate data for state pension plans where teachers are participants. Merging these two data types shows how the rate of change in teacher pension costs is growing much faster than education budgets nationally.

To review data at the national level, visit [Equable.org/hiddenfundingcuts](https://equable.org/hiddenfundingcuts) and check out: “[Hidden Education Funding Cuts: How Growing Teacher Pension Debt Payments Are Eating into K–12 Education Budgets.](#)” To learn more about our data and how we calculate a state’s hidden education funding cut, check out the methodology.

However, the hidden funding cuts to education have not been felt uniformly across all states, as revenue and education spending experiences have varied. For some states, slow growth in K–12 spending has combined with the explosion in pension debt to create a significant threat, potentially crowding other items out of the education budget. In California, for example, a report by Pivot Learning found that rising pension contributions, driven by efforts to repay pension debt, have led to deferred maintenance of schools, larger class sizes, reduction or elimination of after-school programs, and a reduction in educational equity.

But, for other states, K–12 spending itself has grown significantly, even after accounting for inflation, and this has offset part of, or most of, the state’s increase in pension costs (though in these cases, it is likely that policymakers were not increasing K–12 spending simply to offset the growth in pension costs). And a few states have even managed to buck the trend entirely. While this profile details the experience of an individual state, we encourage you to explore the profiles of other states to see how their trends compare. A collection of profiles for all 50 states and Washington, DC can be found [here](#).

## ABOUT THE AUTHORS

Jonathan Moody is vice president of Equable Institute, where Anthony Randazzo is executive director. Moody has worked on state fiscal policy since 2014 including time as research officer at the Pew Charitable Trusts. Randazzo has worked with over a dozen states on retirement system improvements, and formerly was managing director of the Pension Integrity Project.

## QUICK GLOSSARY

**Actuarially Determined Employer Contributions (ADEC):** This is the money that actuaries calculate should be paid each year by the state and local employers to cover pension benefits earned plus to pay down any pension debt (after accounting for any employee contributions).

**Unfunded Liability (UAAL):** This is the shortfall in money that a pension fund should have on hand to pay all future promised benefits. Think of this as pension debt owed to retirement systems to pay promised pension benefits. In technical terms, this refers to the Unfunded Actuarially Accrued Liability.

**Own-Source K–12 Spending:** This is the money spent on primary education using state resources only, excluding any federal funding, local resources, or expenditures on higher education.