Nothing But Bad Choices

By John Mauldin | September 14, 2013

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Denver, Toronto, New York, Chicago, and Tucson

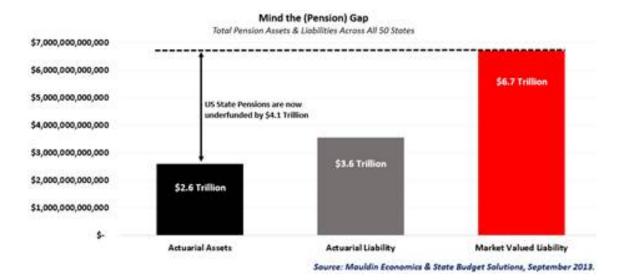
It is hard to imagine a more stupid or more dangerous way of making decisions than by putting those decisions in the hands of people who pay no price for being wrong.

— Thomas Sowell

With a few exceptions here and there, crises in government funding don't simply arrive on the doorstep unannounced. Their progress toward the eventual *Bang!* moment is there for all the world to see. What final misdeed triggers the ultimate phase of the crisis is less predictable, but the root cause is almost always the same: debt. And whether that debt is actually borrowed or is merely promised to the populace, when the market becomes worried that the ability of the government to fund its promises is suspect, then the end is near. Last week we began a series on what I think is an impending crisis in the unfunded pension liabilities of state and local governments in the United States.

To talk about the situation using the word *crisis* can seem a little hyperbolic. The problems are distributed throughout the country, yet not every city or state has significant unfunded pension liabilities. And even those that do can muddle through for very long time before a smoldering problem explodes into an actual crisis. Think Detroit. You could see the crisis building for years and years in the media before it finally reached the breaking point. And Detroit was not the first city to go bankrupt, though it has been the largest. But unless significant action is taken to alleviate the problem of debt, we are going to see even larger cities and then whole states enter a crisis period. And as we will see from the data, we are not talking insignificant states. This week we continue our series on the unfunded liabilities of states and cities. Note: this letter will print a little longer than most, as there are lots of charts and graphs.

As we discussed in <u>last week's letter</u> on state pensions, official estimates of accrued liabilities understate funding shortfalls by conveniently assuming unrealistic investment returns into perpetuity. While official estimates report state-level unfunded liabilities across all 50 states at only \$1 trillion today, the unfunded liability burden jumps to over \$4 trillion if we discount those liabilities at more reasonable expected rates of return.



In case you were wondering, the \$4.1 trillion funding shortfall includes only state-run pensions, meaning that funding gaps at local levels of government are not included. We went to great lengths this past week to calculate the total pension gap at both state and local levels across all fifty states, but we were told the data does not exist – at least not in one place.

Many cities and counties invest their funds with state pension plans rather than managing them separately, but the best estimate I could get was that if you included all the separately managed city and county pensions, it might increase the total amount by anywhere from 10 to 20%.

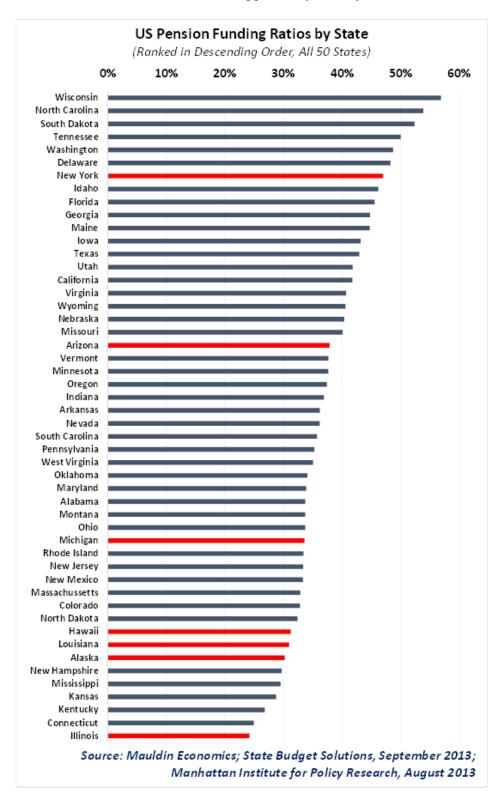
Even without another \$500 billion to \$1 trillion in unfunded pension liabilities, the implications of this gaping hole in the available pension research are truly mind-blowing, considering that, in extreme cases such as we are seeing in Detroit, local unfunded liabilities may become obligations of the states for purely political reasons. So we are stuck looking at the problem from a state-run-pension perspective, knowing that the actual shortfall could be even larger. If anyone knows of better sources for this data, I would really appreciate hearing about them.

The Aggregate or the Particular?

It may be tempting to look at aggregate pension shortfalls at the national level, but these shortfalls really amount to a state-by-state issue that will ultimately force troubled states to (1) increase taxes, (2) cut public services, and/or (3) reduce retirement benefits for current and already retired public employees. Cities and counties like Detroit (or Chicago?) that manage their own pensions and are underfunded will confront the same set of choices.

Making matters even more complicated, not all states can legally cut public employee retirement benefits. Illinois, Alaska, Louisiana, Hawaii, Michigan, Arizona, and New York (shown in red below) all have clauses in their state constitutions that protect public employee defined-benefit pension plans. While most states can reduce pensions to address their budget deficits, these

seven must first amend their state constitutions. As you can see, several of these states are at the bottom of the pack in terms of funding ratios, but Illinois is the most vulnerable. (Funding ratios use the more conservative model suggested by Moody's and GASB, as we talked about <u>last week</u>.)



At only 24% funded, according to Moody's new methodology, Illinois is the single-most underfunded state in the union – the worst of an entire basket of bad apples. This week will focus primarily on Illinois, but we will cast our eye around the country in coming weeks.

The state of Illinois's five state-level pensions (TRS, SERS, SURS, JRS, & GARS) report current accrued liabilities at \$146 billion, but the state has set aside only \$63 billion to cover future benefits. According to these official estimates (which are already a year old), the \$83 billion shortfall in unfunded liabilities leaves the state's pensions only 43% funded, on average. Unfortunately, the real numbers are far worse.

According to Moody's new methodology, which discounts future liabilities using the more reasonable rate of return on high-grade corporate bonds (about 4% today), current accrued liabilities tally to more like \$272 billion. These figures drop the official 43% funding ratio to only 24%.

State's unfunded pension debt will grow to more than \$200 billion under new reporting rules

	Unfunded liability as currently reported	Unfunded liability under Moody's
TRS	\$43.5 billion	\$120.6 billion
SERS	\$20.2 billion	\$46.2 billion
SURS	\$17.6 billion	\$39.3 billion
JRS	\$1.3 billion	\$2.6 billion
GARS	\$0.2 billion	\$0.4 billion
Combined	\$82.9 billion	\$209.0 billion

Source: Commission on Government Forecasting and Accountability; Illinois Policy Institute

New reporting rules show the state's funded ratios are much lower than reported

	Funded ratio as currently reported	Funded ratio under Moody's
TRS	46.5%	24.3%
SERS	35.5%	20.2%
SURS	44.3%	26.5%
JRS	31.5%	19.1%
GARS	21.2%	13.6%
Combined	43.4%	23.8%

Source: Commission on Government Forecasting and Accountability; Illinois Policy Institute

Official estimates of accrued liabilities understate funding shortfalls by assuming unrealistic investment returns into perpetuity. Over the past five- and ten-year periods, the five Illinois state pensions have discounted (underreported) their future liabilities by assuming rates of return between 7.0% and 8.5%. Every one of the state pension plans has significantly underperformed its return goals; and as we demonstrated last week, the next decade may be even more difficult from a returns perspective. Expecting more than an average of 4% nominal returns in the coming decade, given today's starting point, requires a large dollop of optimism.

When you look at the plans' five-year returns, note that these funds had the benefit of a 140% US bull market over the last four years, and their ten-year returns had the benefit of two bull markets and just one bear market (though it was a savage one).

All five pension funds have underperformed investment targets

	Assumed Rate of Return	Actual 5-Year Average Return	Actual 10-Year Average Return
TRS	8.5%	4.1%	6.0%
SERS	7.75%	3.1%	4.5%
SURS	7.75%	5.3%	6.1%
JRS	7.0%	3.1%	4.5%
GARS	7.0%	3.1%	4.5%

Source: Governor's Office of Management and Budget

The Illinois Policy Institute estimates the state pensions would need to earn a compound annual return of 19% from now through 2045 to make up the funding gap, while the markets may offer no more than 4% through the mid-2020s. Not even David Swensen at Yale can generate that kind of alpha. To reach their expected returns in a low-return environment, investment managers of these pensions would need to deliver 300 to 450 basis points of alpha, which would place them among the finest asset allocators in the world. Their recent track record suggests otherwise.

I seem to remember that it was only a few years ago that I was writing that pension funding shortfalls in Illinois were a mere \$50 billion. The plans' continued lackluster performance has now made the problem much worse, and any additional underperformance will lead to even larger funding shortfalls.

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To ease their shortfall, Illinois is going to have to find an additional \$82 billion over the next 10 years, if you believe their optimistic return projections. The more realistic projection suggests they will need to find \$210 billion. That works out to \$8-\$10 billion a year for the next 10 years. Of course, every year they continue to underfund and underperform makes that number bigger, but let's be charitable and assume the problem won't get worse. Let's analyze what these numbers mean.

Illinois is projecting approximately \$35 billion of revenue for fiscal year 2014. Of this, 74% comes from individual income taxes (45%), sales taxes (21%), and corporate taxes (8%). The state of Illinois increased individual and business income tax rates in January 2011 to their current levels. These tax rates are set to roll back in January 2015 unless lawmakers vote to make them permanent. (Source: http://watchdog.org/94230/in-il-pension-reform-may-mean-tax-increase/). The first line below is individual, and the second line is business income tax rates.

Pre-January 2011 Tax Rates	Current Tax Rates	Planned Tax Rates (After January 15 Drop)
3%	5%	3.85%
4.3%	7%	5.25%

Having to vote to make already high tax rates permanent will make it difficult to then vote for even higher taxes (or at least one would think so).

Let me quote directly from Gov. Pat Quinn's speech when he delivered the <u>2014 fiscal year budget</u>. (Emphasis mine.)

But **this is also an honest budget** that reflects our fiscal challenges ... pays down the backlog of bills ... and addresses funds that have been under-appropriated for too long. **There are no gimmicks or fake numbers in this budget.** This budget holds the line on discretionary spending, **while fully meeting our skyrocketing pension obligations.**

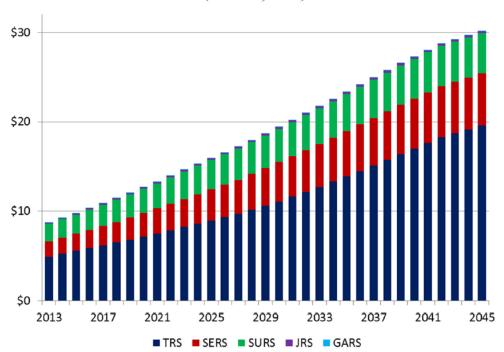
Inaction on comprehensive pension reform has left our state with less revenue for our most important priorities. Without pension reform, within two years, Illinois will be spending more on public pensions than on education. As I said to you a year ago, our state cannot continue on this path. Pension reform is hard. But we've done hard things before.

Maybe it's something in the water that makes Illinois politicians really good with rhetoric, but their math is a little hard for this Texas country boy to get his head around. The governor talks about a hard-fought agreement that saves \$900 million over three years on pensions, but I look at this budget and can't seem to find the part about fully funding skyrocketing pension obligations.

Pension contributions are planned to increase by \$929 million, from \$5.1 billion in FY2013 to \$6.0 billion in FY2014. This falls short of the annual pension payout by \$2 billion, meaning that unfunded liabilities will get worse every year until there is a fix. This shortfall could become a massive problem over time if the state government cannot significantly increase revenues to cover at least the growing annual payouts (or cut spending on public services or restructure pension liabilities). The state of Illinois projects that annual pension payouts will increase from \$8 billion today to around \$15 billion by 2022, to \$20 billion by 2030, and to \$30 billion by 2045. That is a total of \$632 billion for pension benefits between now and 2045. For which the state of Illinois has set aside something like 10% of that total. How could anything possibly go wrong? (Source: http://illinoispolicy.org/uploads/files/Pension_debt_more_than_doubles.pdf)

Annual state pension payouts will more than triple

(in billions of dollars)



Source: Commission on Government Forecasting and Accountability

If the state were to increase individual income tax rates to cover these outlays, we would expect to see individual income tax rates rise from the current 5% to 12.5% by 2045. The longer Illinois waits to increase pension contributions, the bigger the unfunded liabilities will be and the higher tax rates will need to climb to make up for the shortfall. It may be painful to face the funding shortfall today, but the cost will balloon to enormous proportions in just a few years if lawmakers delay.

Note again that the Illinois state constitution does not allow the state to reduce pension benefits. I will grant the governor this: looking at the budget, there have been significant cuts in many areas of spending. But the "easy" work has been done. While pension contributions made up roughly 6% of operating expenditures in 2008, they account for 19% today. That number will grow dramatically if left unchecked. Looks like we are already starting to see the fallout from recent education cuts: http://www.progressillinois.com/quick-hits/content/2013/06/26/cps-blames-deficit-il-pension-crisis-protesters-blast-budget-cuts-boar.

Going back to the original proposition, the state of Illinois needs to find an additional \$20 billion a year to adequately fund its future pension obligations, or it is going to be digging an ever deeper hole every year. But where do you find an extra \$20 billion a year in a \$35 billion budget? This is the sort of situation that is typically described by politicians as "somebody else's problem," but to our children it will be their problem.

Promises Made, Promises Broken

There are other states besides Illinois that have significant unfunded pension liabilities. As this letter is already getting a little longish, I will leave you with just a taste of what we will cover next week. There are several ways besides the absolute numbers that you can look at unfunded liabilities. You could divide the total liabilities by the number of people in the state, giving you the debt on a per capita basis. In a fascinating report, a group called State Budget Solutions did that work for us. Quoting:

The states with the largest unfunded liability per person are Alaska (\$32,425), Ohio (\$24,893), Illinois (\$22,294), Connecticut (\$21,378) and New Mexico (\$20,530). On the other hand, the states with the smallest unfunded liability per person are Tennessee (\$5,676), Indiana (\$6,581), North Carolina (\$6,874), Nebraska (\$7,212) and Arizona (\$7,688).

Another way to look at the debt problem is as a percentage of each state's gross state product, similar to the national GDP. That breaks down as follows:

State	U.L. as a % of GSP	State	U.L. as a % of GSP
Ohio	56%	DE, TN, NE	13%
New Mexico	53%	Indiana	14%
Mississippi	48%	North Carolina	15%
Alaska	46%	North Dakota	16%
Illinois	41%	SD, WA, TX	17%

Yes, there are states worse than Illinois, depending on how you view the data. Next week we'll get into this a little deeper.

I would like to invite those of my readers who have done the research on their particular city, county, or state to send me their data. If we get enough, we'll create one larger data set and post it.

Unfunded liabilities have the potential to become just as big a problem as subprime credit or European sovereign debt. The problems are mounting, and while in most areas they can be dealt with today, the longer the solutions are put off, the less possible they will be.

Either taxpayers will have to pay more, or benefits will have to be changed, or other services that people expect from local governments will have to be severely curtailed. That is the range of choices. None of them will sit well. One group in Illinois proposes, as a partial solution, to freeze all cost-of-living adjustments for current retirees, to abandon defined-benefit plans for current employees in favor of defined-contribution plans, to raise the retirement age, and to take other drastic steps.

Last year a number of liberal cities in California, including San Jose and San Diego, voted to alter their pension plans rather than increase taxes. There comes a time when taxpayers simply say "No more!" On the other side of that equation are people who worked all their lives in expectation of a specific pension payout when they retired. To them a deal is a deal.

There is no surer way to upset me personally than not to live up to a deal that has been agreed upon. The anger of government employees when threatened with the loss of their benefits is something I can readily understand. But I also get the plight of taxpayers who see political favors bought and sold using their money. And I get more than merely frustrated with politicians who pile financial commitments on the shoulders of our children so that they themselves don't have to figure out how to pay for them. I think most people feel the same way about these matters, but here are no good solutions.

Ask Detroit. They put off the hard decisions, and now they're in bankruptcy court. The bankruptcy manager has threatened retirees with a far larger cut in their pensions than they might have negotiated a few years ago. City services have been cut, roads go unrepaired, most of the streetlights don't work, and there is not nearly enough money to cover fire and police services. That's what happens when you don't make the hard choices today. They become tomorrow's bad choices and next year's disastrous choices.

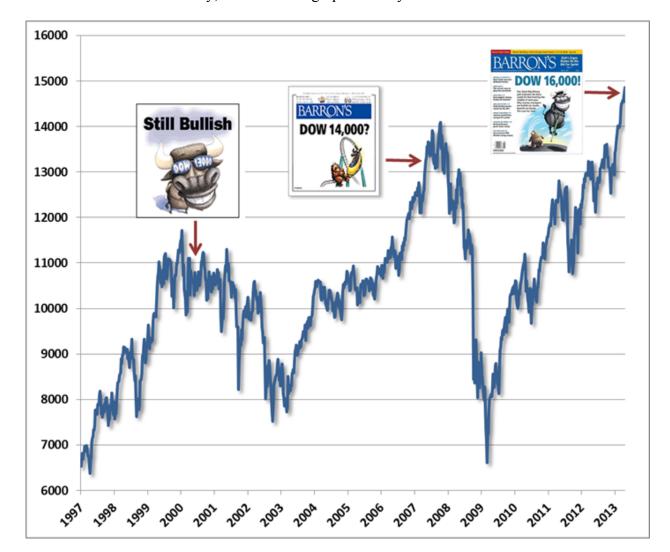
Ask Greece.

The Bull's in Charge

Last week I participated in a great webinar, "How Long Can the Bull Run? A Discussion on Long/Short Equity," with members of the investment team at Altegris. We engaged in a robust discussion on the equity markets and provided a much-needed perspective on the role that a long/short equity strategy can play in a well-diversified portfolio. We talked about some strategic moves investors can make now, whether their long-term outlook is bullish or bearish. My old friend Matt Osborne, one of the founding partners of Altegris, inserted a recent cover from *Barron's* magazine into his PowerPoint presentation. I am sure I saw a little mischief in his eyes, and I'm pretty sure he did it just to tweak me. I had just outlined a rather cautionary viewpoint, laying out the case that hedging at this point might prove useful, and Matt thought he should remind me that the consensus is still quite bullish. I thought a very interesting discussion ensued. "The Bull's in Charge!" indeed.



I was reminded of a recent graph from my friend John Hussman, which features three other *Barron's* covers. Some would say a *Barron's* cover like these is an invitation to the gods of the market to have a good laugh. I, however, am of the belief that these deities have no sense of humor



whatsoever. Be that as it may, here is John's graph. I'll let you note the dates.

If you want to continue to participate in the equity markets but are looking to lower your volatility and risk, I advise you to look closely at the long/short equity products Altegris offers. If you would like to view the webinar, you can see the entire replay here.

Denver, Toronto, New York, Chicago, and Tucson

I've spent the last few days in North Dakota speaking for BNC Bank. My hosts were exceptionally gracious. The first morning, I was picked up in Rapid City, South Dakota, by Loren Kopseng, who flew me up to Watford, North Dakota, after which we flew rather close to Mount Rushmore. Loren preferred to fly lower so that he could survey the terrain. I'm not sure just how low we flew, but I could almost read the numbers on the ear tags of the cattle. Loren grew up in that part of the world as a poor kid in the Badlands and knew the story of every ranch and town we flew over. It seemed that he had a cousin or knew a friend's cousin on pretty much every piece of property in that part of the state, as well as most of their history and gossip going back into the late 1800s. It was a fascinating six hours. I love that sort of stuff.

Watford itself is the closest thing to a boomtown that I've ever experienced. It has visibly grown since the last time I was there, in November. Lying smack dab in the middle of the Bakken oil fields, it was a sleepy little town of less than 2,000 people just a few years ago, and now they are having to make plans to accommodate 8,000 to 10,000 just a few years from now. Mobile homes, campers, "man camps," and new hotels and apartments are sprouting everywhere. There are scores and scores of new businesses springing up all over the region just to serve the oil workers and the drilling rigs. Loren had a dozen stories about business startups, and the variety of businesses popping up is simply amazing. Who knew you could throw up a prefab metal warehouse just to house campers and charge up to \$1500 per month for a parking spot? The guy was leasing out the warehouses as fast as he could build them, and it looked like there was a line of campers waiting for the spots in the next new building.

There are actual depressions in the asphalt roads from the tires of all the trucks running over them. You can stand at the top of the rise in the center of Watford, look back down the road for a mile and a half, and see nothing but trucks and more trucks lining up at the stoplights, ferrying water for fracking and hauling oil back from the wells to be put into rail cars and shipped to whoever pays the highest price that day. Millions of dollars' worth of natural gas is being flared into the air, waiting for a pipeline to gather the gas. You can see those flares in nighttime satellite photos. We stood near one of the larger ones and felt the immense heat.

I reported last year that they were using up to 30 fracking pipes or "jewels" in a well. Today, advancing technology has taken the number to more than 40, and Loren thinks they will soon top 50. Five or six years ago they were using just one. The technology is changing rapidly, and the amount of oil being recovered is remarkable. That same technology is being applied to source rock in the Permian Basin, and it appears that the second-largest oilfield in the world might be in West Texas. The oilmen I talked to up in North Dakota are convinced from the drill results they are getting that there are four completely different levels of oil beneath the Bakken. Most of the sites that have been drilled are going to be drilled again over time, going deeper and farther more cheaply and with greater recovery. Those who predict this will be a short-lived field are going to be proven very wrong.

Next week I go to Denver for a speech and dinner with my friends at Altegris Investments. The following week I'm off to Toronto, where I will have dinner with David Rosenberg and Louis Gave before speaking at Louis's conference. From there I'll go to New York for meetings and another presentation for Altegris. The next week sees another speech in Chicago (if I am allowed into the state after this week's letter), before I head to Tucson for the <u>Casey Summit</u>, October 4-6. As usual, they have an all-star lineup of speakers, including my friends Ron Paul, Lacy Hunt, Don Coxe, and of course Doug Casey.

It is late and time to hit the send button. I started this letter on the plane back from Minneapolis yesterday. Your humble analyst can occasionally be less aware than he should be of what is going on around him, and I realized as I got off the plane that I had left my billfold on a table in a sandwich shop back in Minneapolis. I've left credit cards before but not an entire billfold. Fortunately, I have three miracle workers who help me out of jams (Mary, my personal assistant, who also schedules my speaking engagements; Shannon, who handles the money and operations;

and Myra, who handles my travel). I texted them as I got off the plane. No, I didn't know the name of the place where I had left the wallet, and I wasn't exactly sure where it was, just somewhere along Terminal E. A few minutes later Shannon had the name of the shop, and Myra worked her magic and got some very helpful person from American Airlines to rescue my billfold and drop it in a FedEx package. All done before I even had time to get home. I really should learn to pay attention to these things. Have a great week. Mine will be much better now – thank you, ladies.

Your inspired by all the entrepreneurial spirit I saw analyst,

John Mauldin

And Marke

John Mauldin

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