State of Rhode Island



Debt Affordability Study Phase One

February 2, 2017

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State Tax-Supported Debt and Long-Term Liabilities 🗵



- Tax-Supported Debt
 - General Obligation Debt \succ
 - Appropriation Debt
 - Performance-Based Obligations
 - Moral Obligation Debt
- **Pension Liabilities** ۲
 - Net Pension Liability
 - Annual Required Contribution
- **OPEB** Liabilities •
 - Unfunded Liabilities
 - Annual Required Contribution

Outstanding Tax-Supported Debt



| | Outstanding General Obligation Bonds | | Outstanding Lease Participation Certificates | | Convention Center Authority + Commerce Corporation + Other Tax- Supported Debt | | Outstanding Tax-Supported Debt Service | | | | | |
|--------|--------------------------------------|-------------|---|-------------|--|--------------|--|-------------|--------------|---------------|-------------|---------------|
| Fiscal | | | | | | | | | | | | |
| Year | Principal | Interest | Debt Service | Principal | Interest | Debt Service | Principal | Interest | Debt Service | Principal | Interest | Debt Service |
| 2017 | 47,930,000 | 47,746,734 | 95,676,734 | 27,035,000 | 9,263,056 | 36,298,056 | 57,020,034 | 27,061,670 | 84,081,704 | 131,985,034 | 84,071,460 | 216,056,494 |
| 2018 | 79,995,000 | 45,916,491 | 125,911,491 | 22,975,000 | 8,145,125 | 31,120,125 | 59,325,675 | 23,910,060 | 83,235,735 | 162,295,675 | 77,971,676 | 240,267,351 |
| 2019 | 81,155,000 | 42,285,620 | 123,440,620 | 24,055,000 | 7,177,206 | 31,232,206 | 42,495,806 | 20,489,765 | 62,985,571 | 147,705,806 | 69,952,591 | 217,658,397 |
| 2020 | 85,865,000 | 38,411,227 | 124,276,227 | 25,250,000 | 6,102,594 | 31,352,594 | 44,855,838 | 18,077,604 | 62,933,442 | 155,970,838 | 62,591,425 | 218,562,263 |
| 2021 | 82,470,000 | 34,586,994 | 117,056,994 | 24,165,000 | 4,939,375 | 29,104,375 | 47,619,658 | 15,513,989 | 63,133,647 | 154,254,658 | 55,040,358 | 209,295,016 |
| 2022 | 81,520,000 | 30,724,126 | 112,244,126 | 19,795,000 | 3,813,413 | 23,608,413 | 35,003,928 | 13,304,100 | 48,308,028 | 136,318,928 | 47,841,639 | 184,160,567 |
| 2023 | 77,880,000 | 26,836,108 | 104,716,108 | 20,885,000 | 2,820,225 | 23,705,225 | 60,940,655 | 11,724,688 | 72,665,343 | 159,705,655 | 41,381,021 | 201,086,676 |
| 2024 | 78,185,000 | 23,116,083 | 101,301,083 | 17,865,000 | 1,814,913 | 19,679,913 | 32,260,827 | 18,085,932 | 50,346,759 | 128,310,827 | 43,016,928 | 171,327,755 |
| 2025 | 73,785,000 | 19,544,813 | 93,329,813 | 14,085,000 | 1,050,463 | 15,135,463 | 23,764,697 | 7,371,225 | 31,135,922 | 111,634,697 | 27,966,500 | 139,601,197 |
| 2026 | 76,740,000 | 15,887,573 | 92,627,573 | 3,395,000 | 621,819 | 4,016,819 | 25,047,537 | 6,137,214 | 31,184,751 | 105,182,537 | 22,646,605 | 127,829,142 |
| 2027 | 64,790,000 | 12,406,865 | 77,196,865 | 2,815,000 | 454,000 | 3,269,000 | 23,154,641 | 4,798,464 | 27,953,105 | 90,759,641 | 17,659,329 | 108,418,970 |
| 2028 | 50,890,000 | 9,532,571 | 60,422,571 | 2,980,000 | 315,925 | 3,295,925 | 4,315,000 | 2,591,477 | 6,906,477 | 58,185,000 | 12,439,973 | 70,624,973 |
| 2029 | 36,060,000 | 7,414,218 | 43,474,218 | 3,150,000 | 172,313 | 3,322,313 | 4,575,000 | 2,331,282 | 6,906,282 | 43,785,000 | 9,917,812 | 53,702,812 |
| 2030 | 37,685,000 | 5,523,162 | 43,208,162 | 850,000 | 13,813 | 863,813 | 4,850,000 | 2,054,037 | 6,904,037 | 43,385,000 | 7,591,012 | 50,976,012 |
| 2031 | 26,840,000 | 3,561,981 | 30,401,981 | | | | 5,145,000 | 1,760,127 | 6,905,127 | 31,985,000 | 5,322,108 | 37,307,108 |
| 2032 | 28,105,000 | 2,302,037 | 30,407,037 | | | | 5,460,000 | 1,448,340 | 6,908,340 | 33,565,000 | 3,750,377 | 37,315,377 |
| 2033 | 17,230,000 | 1,332,761 | 18,562,761 | | | | 5,790,000 | 1,117,464 | 6,907,464 | 23,020,000 | 2,450,225 | 25,470,225 |
| 2034 | 11,770,000 | 753,466 | 12,523,466 | | | | 6,140,000 | 766,590 | 6,906,590 | 17,910,000 | 1,520,056 | 19,430,056 |
| 2035 | 8,110,000 | 366,678 | 8,476,678 | | | | 6,510,000 | 394,506 | 6,904,506 | 14,620,000 | 761,184 | 15,381,184 |
| 2036 | 4,805,000 | 144,150 | 4,949,150 | | | | | | | 4,805,000 | 144,150 | 4,949,150 |
| | 1,051,810,000 | 368,393,657 | 1,420,203,657 | 209,300,000 | 46,704,238 | 256,004,238 | 494,274,296 | 178,938,532 | 673,212,828 | 1,755,384,296 | 594,036,427 | 2,349,420,723 |

Pension and OPEB Liabilities



- At June 30, 2015 the net pension liability was approximately \$2.9 billion.
- The actuarially determined Pension Annual Required Contribution totaled \$253.3 million.
 - State has made its full Pension ARC for the last 19 years.

| Fiscal Year | Pension ARC (\$ millions) |
|-------------|------------------------------|
| 2016 | \$286.64 |
| 2017 | 290.75 |
| 2018 | 298.68 |
| 2019 | 302.18 |
| 2020 | 309.60 |
| 2021 | 318.47 |
| 2022 | 328.60 |
| 2023 | 338.91 |
| 2024 | 347.96 |
| 2025 | 356.97 |

- OPEB Liabilities
 - ➤ As of June 30, 2015, unfunded liability was \$593 million.
 - OPEB ARC for fiscal year beginning July 1, 2017 was determined to be \$60.7 million.
 - ▶ Rhode Island has consistently funded 100% of the OPEB ARC.

Common Debt Affordability Measures



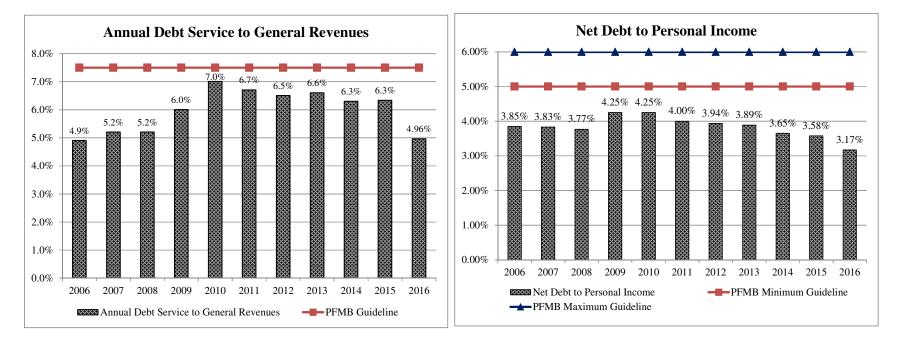
| Debt Service as Percent of State Revenues = | Annual Debt Service Requirement General Revenues of the State |
|--|---|
| Debt per Capita = | <u>Net Tax-Supported Debt</u> State's Population |
| Debt as Percent of Personal Income = | Net Tax Supported Debt Total Personal Income of State's Population |
| Debt as Percent of State Revenues = | Net Tax Supported Debt General Revenues of the State |
| Debt as % of Full Valuation of Taxable Property = | Net Tax Supported Debt Full Valuation of All Taxable Property |
| Debt as % of Gross State Product = | <u>Net Tax Supported Debt</u> Gross State Product |
| Rapidity of Repayment = | <u>Total Net-Tax Supported Debt Retired in 10 Years</u> Total Net-Tax Supported Debt |



Current PFMB Guidelines



- Debt Service on Tax-Supported Debt to not exceed 7.5% of General Revenues.
- Tax-Supported Debt to not exceed the target range of 5.0% to 6.0% of personal income.



Debt Affordability Ratios Used By Peer States



| State | Debt Service to Revenues | Debt to Personal Income | Debt to Revenues | Debt per Capita | Other |
|--------------------------------|--|--|--|--|--|
| Rhode Island (Aa2/AA/AA) | 7.5% of General Revenues | 5.0% - 6.0% | | | |
| Delaware (Aaa/AAA/AAA) | MADS < 15% of General + Transportation Trust Fund Revenues | | New debt ≤ 5% of Net Budgetary General Fund Revenue for Fiscal Year | | G.O. MADS < Estimated Cash Balance for following fiscal year |
| Connecticut (Aa3/AA-/AA-) | | | Outstanding and Authorized but Unissued Debt $\leq 160\%$ of General Fund Tax Receipts | | |
| Maine (Aa2/AA/AA) | 5.0% of General Revenues | | | | |
| Massachusetts (Aa1/AA+/AA+) | 8.0% of Annual Budgeted Revenues | | | | |
| New Hampshire (Aa1/AA/AA+) | 10% of Unrestricted General Fund Revenues in Prior Fiscal Year | | | | |
| Vermont (Aaa/AA+/AAA) | 6.0% of Annual Aggregate of General + Transportation Trust Fund Revenues | \leq 5-Year Average of the mean and median of a peer group of triple-A rated states | | \leq 5-Year Average of the mean and median of a peer group of triple-A rated states | |

Pension and OPEB Considerations



- Municipal debt market has seen increasing attention on pension liabilities and OPEB liabilities over the years.
- Updated rating agency methodologies released in recent years have included increasing quantification of pension liabilities.
- Pension ARCs are long-term fixed costs, similar to debt service.
- OPEB liabilities not viewed as similar to debt since generally there is legal flexibility to adjust OPEB liabilities.
- The following ratios have been used to measure the burden of pension and OPEB liabilities, but with the pension liability or OPEB liability used in the numerator rather than debt and these ratios can also be calculated with just the pension or OPEB liability or added together with debt:
 - Unfunded Liability per Capita
 - Unfunded Liability as Percent of Personal Income
 - Unfunded Liability as Percent of State Revenues
 - Unfunded Liability as Percent of Gross State Product
 - Pension/OPEB ARC as Percent of State Revenues

Debt Affordability – Rating Agency Liability Ratios



| Debt Ratio | Fitch | Moody's | S&P |
|--|--------------|--------------|--------------|
| Debt to Personal Income | ✓ | ✓ | \checkmark |
| Debt to Revenues | | \checkmark | |
| Debt Service to Revenues | | \checkmark | |
| Debt Service to Expenditures | | | \checkmark |
| Debt Per Capita | | \checkmark | \checkmark |
| Debt to Gross State Product | | \checkmark | \checkmark |
| Rapidity of Repayment | \checkmark | | \checkmark |
| Pension Ratio | | | |
| Pension Funded Ratio | | | \checkmark |
| Pension Funding Levels | \checkmark | | \checkmark |
| Unfunded Pension Liabilities Per Capita | | | \checkmark |
| Pension Liabilities to Personal Income | | | \checkmark |
| 3-Yr Avg Pension Liability to Revenues | | \checkmark | |
| Debt + Unfunded Pension Liability to Personal Income | ✓ | | |

Fitch Debt Ratio



<u>Direct Debt + Fitch's Adjusted Direct Unfunded Pension Liability</u> Personal Income

| Liability Burden | Low | Low Moderate Elevated in Modera | | High | Very High |
|----------------------|--|---|--|--|--|
| Rating Assessment | AAA | AA | А | BBB | BB |
| Ratio Level | Liabilities Less than 10% of Personal Income | Liabilities Less than 20% of Personal Income (RI = 10.6%) | Liabilities Less than 40% of Personal Income | Liabilities Less than 60% of Personal Income | Liabilities 60% or More of Personal Income |

Rhode Island ratio as calculated by Fitch.



Fitch – Net Pension Liability



- Considers defined benefit pension plans only
- Evaluates pension plans for which the government has responsibility
- To improve comparability among plans, Fitch uses the reported unfunded liability and makes an 11% adjustment in actuarial liability for every 1% variance between 7% and the plan's investment return assumption



Moody's Debt Ratios



| Measurement | Aaa | Aa1 | Aa2 | Aa3 | A | Baa and below |
|---|---------------|-----------|------------------------------------|-----------------------------------|-------------|-------------------|
| NTSD/Total Governmental Fund Revenues | Less than 15% | 15% - 30% | 30% - 50% (RI = 31.7%) | 50% - 90% | 90% - 130% | Greater than 130% |
| 3-Yr Average ANPL/ Total Governmental Fund Revenues | Less than 25% | 25% - 40% | 40% - 80% | 80% - 120% (RI = 84%) | 120% - 180% | Greater than 180% |

Rhode Island ratio as calculated by Moody's. NTSD = Net Tax-Supported Debt. ANPL = Adjusted Net Pension Liability.



Moody's – Net Pension Liability



- Assigns liabilities to other participating governments in cases where state's reported liabilities are inclusive of all the sponsoring entities of multiple-employer cost-sharing plans.
- Uses a market-determined discount rate.
- Resulting adjusted net pension liability is averaged over a three year period
- Average adjusted net pension liability divided by state's most recent total governmental fund revenues.

Moody's – Adjusted Net Pension Liability



Applying Moody's Adjustments to a Government's Pension Liability Indicative Calculation Example

Indicative Calculation Example (\$000)

| Reported AAL | \$50,000,000 |
|--|-----------------------------|
| Asset Market or Fair Value | \$40,000,000 |
| Assumed investment rate of return | 8.00% |
| Valuation date | 6/30/2010 |
| Citibank Pension Liability Index at valuation date | 5.47% |
| Government A contributions to plan / Total employer contributions to plan (i.e. Government A's proportional share) | 17.0% |
| AAL projected forward 13 years at 8.00% | \$135,981,186 |
| Discounted at 5.47% | \$68,045,989 |
| Adjusted net pension liability (ANPL) Government A's 17% share of ANPL | \$28,045,989 \$4,767,818 |
| Government A's amortization of ANPL | \$397,975 |
| | |

Standard & Poor's Debt Ratios



| Indicator | Score:1 | Score: 2 | Score: 3 | Score: 4 | | |
|--|--|--|--|--|--|--|
| Debt per Capita | Below \$500 | \$500 - \$2,000 (RI = \$1,672) | \$2,000 - \$3,500 | Above \$3,500 | | |
| Debt to Personal Income | Below 2% | 2% - 4% (RI - 3.3%) | 4% - 7% | Above 7% | | |
| Debt Service to General Government Spending | Below 2% | 2% - 6% | 6% - 10% (RI = 7.2%) | Above 10% | | |
| Debt to Gross State Product | Below 2% | 2% - 4% (RI = 3.2%) | 4% - 7% | Above 7% | | |
| Debt Amortization (10 Years) | 80% - 100% | 60% - 80% (RI = 79%) | 40% - 60% | Less than 40% | | |
| Pension Funded Ratio90% or above | | 80% - 90% | 60% - 80% | 60% or below (RI = 59.3%) | | |
| Pension Funding Discipline | Pension contribution is actuarially based and full funding of ARC. Total plan contributions > service cost + interest cost + amortization component (RI funding for last 19 years) | Pension contribution is NOT actuarially based and ARC is not fully funded. Total plan contributions > service cost + interest cost + amortization component | Pension contribution is actuarially based and full funding of ARC. Total plan contributions <= service cost + interest cost + amortization component | Pension contribution is NOT actuarially based and ARC is not fully funded. Total plan contributions <= service cost + interest cost + amortization component | | |
| Unfunded Pension Liabilities per Capita | | Positive Adjustment: At or Below \$500 Negative Adjustment: At or above \$3500 | | | | |
| Unfunded Pension Liabilities to Personal Income | | Positive Adjustmen Negative Adjustmen | | | | |
| OPEB Risk Assessment | Limited benefits, high level of discretion to change benefits, pay-go costs not significantly different from ARC | Average liability relative to other states, proactive management of liability, some flexibility to change benefit levels, contributions in excess of annual pay-go amount (RI = Moderate) | Above average liability relative to other states, options to address liability are being considered but plans not well-developed, limited flexibility to change benefits | High liability relative to other states, high level of benefits and inflexible to change, lack of action to address liability leading to accelerating pay-go amount | | |

S&P Global – Net Pension Liability

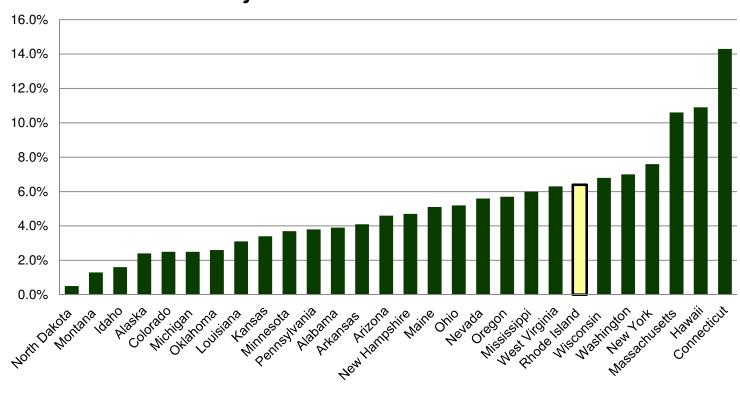


- Uses pension liabilities derived from pension plan and state CAFRs reporting under GASB 67/68 standards, GASB 67 consultant reports and available GASB 68 allocation reports.
- Combines information across multiple pension plans to calculate the state's aggregated plan to the total pension liability (pension funded ratio) and funding progress.
- Uses cost-sharing multiple employer plan CAFRs or GASB 67 reports and uses the state's proportionate share of plan liabilities to calculate the state's net pension liabilities.



Moody's Double A State Debt Service to Revenues





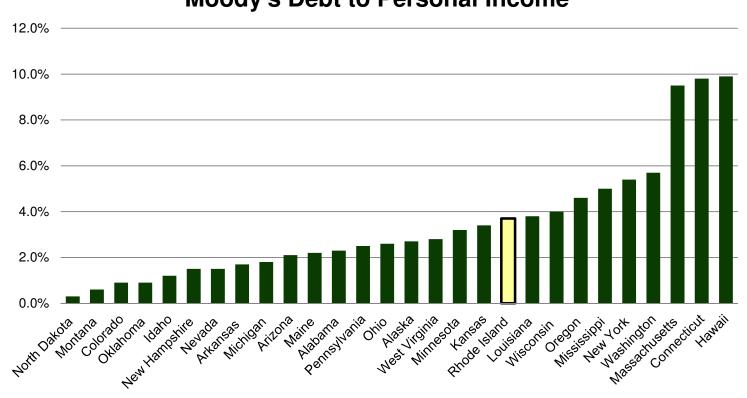
Moody's Debt Service to Revenues

• Note Alabama, Arizona & West Virginia Data based on fiscal 2014 revenues; fiscal 2015 audited financial statements not available at time of publication

Source: Moody's State Debt Medians 2016, May 6, 2016.

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Moody's Double A State Debt to Personal Income



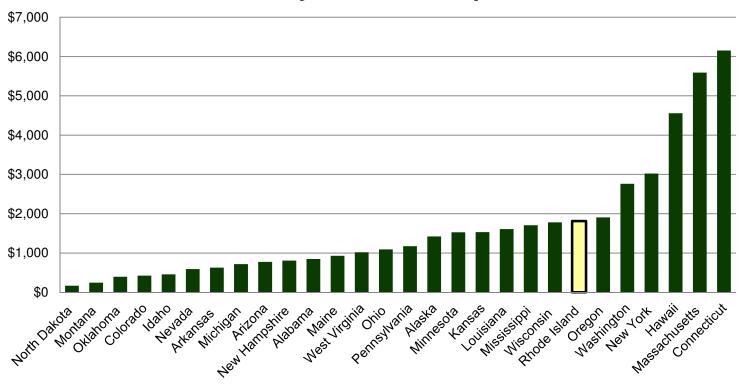
Moody's Debt to Personal Income

• Note Alabama, Arizona & West Virginia Data based on fiscal 2014 revenues; fiscal 2015 audited financial statements not available at time of publication

Source: Moody's State Debt Medians 2016, May 6, 2016.

Moody's Double A State Debt Per Capita





Moody's Debt Per Capita

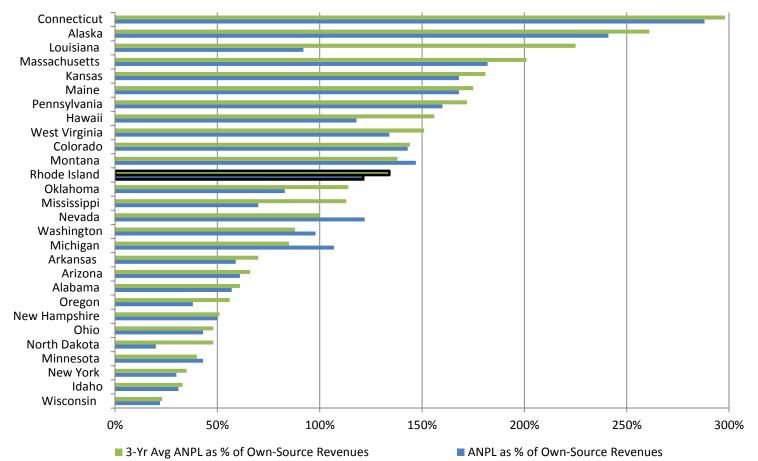
• Note Alabama, Arizona & West Virginia Data based on fiscal 2014 revenues; fiscal 2015 audited financial statements not available at time of publication

Source: Moody's State Debt Medians 2016, May 6, 2016.

Moody's Double A State Pension Medians



Moody's State Pension Medians



• Fiscal 2015 pension data is not directly comparable with previous years because of new accounting standards. For most states, the data are a restatement of 2014 liabilities and set a new baseline for the trend going forward. ANPL is adjusted net pension liability.

Source: Moody's US: Medians - Low Returns, Weak Contributions Drive Growth of State Pension Liabilities, October 6, 2016.

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Moody's Double A Fixed Costs



35.0% 30.0% -25.0% -20.0% -15.0% -10.0% -5.0% sippi ansas nie nienigar ona veda iara ingtor volt varia isand we hand wiene isand we have been and we have 0.0% Oregon Alabama West Virginia Connecticut North Dakota 1daho colorado Arizona Massachusatts Hawaii Maine Minnesota Ohio N⁸ ANARSAS NOTARA DIST SHOT

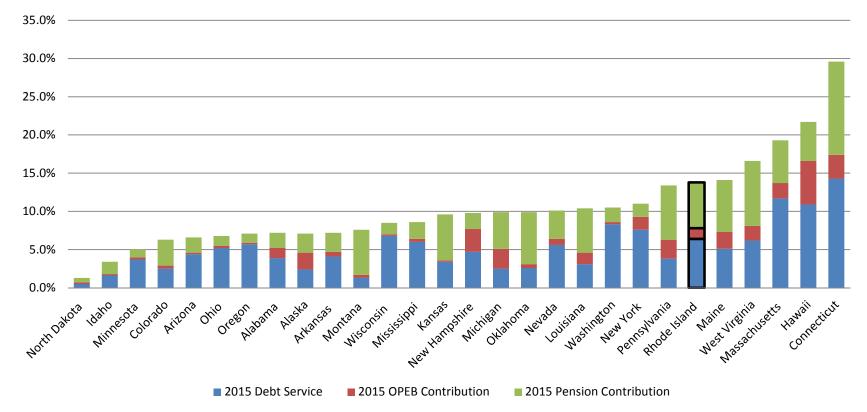
Moody's FY 2015 Fixed Costs as % of Own-Source Revenue

Source: Moody's US: Medians - Low Returns, Weak Contributions Drive Growth of State Pension Liabilities, October 6, 2016.

Moody's Double A Fixed Costs Breakdown



Moody's Fixed Costs Breakdown by Pensions, OPEBs, & Debt Service for Double-A Rated States

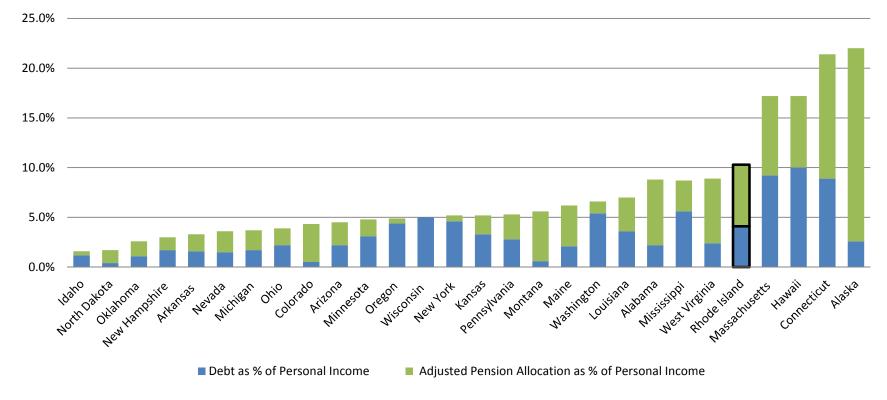


Source: Moody's US: Medians - Low Returns, Weak Contributions Drive Growth of State Pension Liabilities, October 6, 2016.

Fitch Double A Debt & Adjusted Pension Allocation



Fitch Debt & Adjusted Pension Allocation as a % of Personal Income

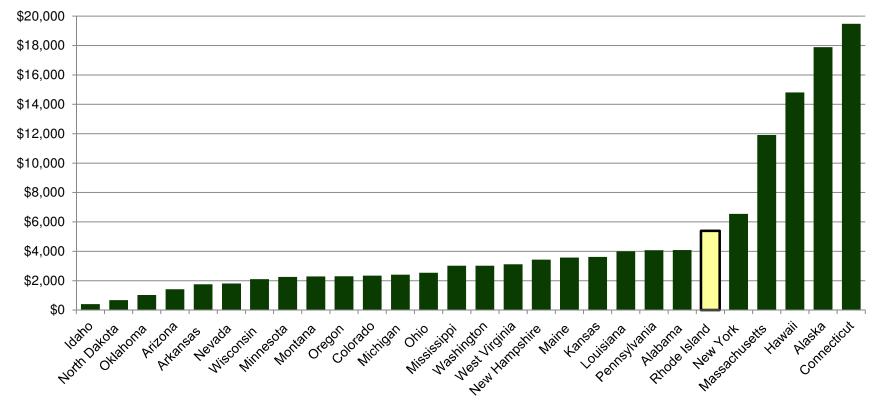


Source: Fitch 2016 State Pension Update, November 15, 2016.

S&P's Double A Total State Debt and Liabilities



Standard & Poor's Total State Debt and Liabilities Per Capita



Source: Standard & Poor's U.S. State Pensions: Weak Market Returns Will Contribute to Rise in Expense, September 12, 2016.

Recommended Debt Affordability Measures



- Debt Service on Net Tax-Supported Debt to General Revenues;
- Net Tax-Supported Debt as percentage of Personal Income;
- Rapidity of Repayment or the amount of debt to be retired over the next ten
- Net Tax-Supported Debt Service + Pension ARC as a percentage of General Revenues
- Net Tax-Supported Debt + Net Pension Liability as a percentage of Personal Income
- Pension ARC and OPEB ARC should be funded at 100%



Outstanding Tax-Supported Debt and Pension Liabilities 🧵



| | - | Fax-Supported of June 30, 201 | | PFMB Guidelines: Debt Service to General Revenues Less Than 7.5% Tax-Supported Debt to Personal Income: 5.0% to 6.0% | | | | Debt + P | ension Ratios | | |
|--------|---------------|----------------------------------|---------------|--|------------------|-----------------|------------------|-------------|---------------|---------------|-----------------------|
| | | | | | | | | | Tax-Supported | | Tax-Supported |
| | | | | | Outstanding Tax- | | Tax-Supported | | DS + Pension | | Debt + Net Pension |
| Fiscal | | | | General | 11 | | Debt to Personal | | ARC to | Net Pension | Liability to Personal |
| Year | Principal | Interest | Debt Service | Revenues | to Revenues | Personal Income | Income | Pension ARC | Revenues | Liability | Income |
| 2017 | 131,985,034 | 84,071,460 | 216,056,494 | 3,674,742,668 | 5.88% | 56,094,000,000 | 3.13% | 290,750,000 | 13.79% | 2,907,298,000 | 8.31% |
| 2018 | 162,295,675 | 77,971,676 | 240,267,351 | 3,737,237,978 | 6.43% | 58,565,000,000 | 2.77% | 298,680,000 | 14.42% | 2,907,298,000 | 7.74% |
| 2019 | 147,705,806 | 69,952,591 | 217,658,397 | 3,745,894,748 | 5.81% | 60,874,000,000 | | 302,180,000 | 13.88% | 2,907,298,000 | 7.18% |
| 2020 | 155,970,838 | 62,591,425 | 218,562,263 | 3,794,833,717 | 5.76% | 62,726,000,000 | 2.09% | 309,600,000 | 13.92% | 2,907,298,000 | 6.73% |
| 2021 | 154,254,658 | 55,040,358 | 209,295,016 | 3,847,663,594 | 5.44% | 64,566,000,000 | 1.79% | 318,470,000 | 13.72% | 2,907,298,000 | 6.30% |
| 2022 | 136,318,928 | 47,841,639 | 184,160,567 | 3,866,901,912 | 4.76% | 66,610,000,000 | 1.51% | 328,600,000 | 13.26% | 2,907,298,000 | 5.87% |
| 2023 | 159,705,655 | 41,381,021 | 201,086,676 | 3,886,236,422 | 5.17% | 68,755,000,000 | | 338,910,000 | 13.90% | 2,907,298,000 | 5.49% |
| 2024 | 128,310,827 | 43,016,928 | 171,327,755 | 3,905,667,604 | 4.39% | 70,817,000,000 | | 347,960,000 | 13.30% | 2,907,298,000 | 5.10% |
| 2025 | 111,634,697 | 27,966,500 | 139,601,197 | 3,925,195,942 | 3.56% | 72,941,000,000 | 0.79% | 356,970,000 | 12.65% | 2,907,298,000 | 4.78% |
| 2026 | 105,182,537 | 22,646,605 | 127,829,142 | 3,944,821,921 | 3.24% | 75,129,000,000 | 0.62% | 366,213,303 | 12.52% | 2,907,298,000 | 4.49% |
| 2027 | 90,759,641 | 17,659,329 | 108,418,970 | 3,964,546,031 | 2.73% | 77,382,000,000 | 0.47% | 375,695,950 | 12.21% | 2,907,298,000 | 4.22% |
| 2028 | 58,185,000 | 12,439,973 | 70,624,973 | 3,984,368,761 | 1.77% | 79,703,000,000 | 0.34% | 385,424,139 | 11.45% | 2,907,298,000 | 3.99% |
| 2029 | 43,785,000 | 9,917,812 | 53,702,812 | 4,004,290,605 | 1.34% | 82,094,000,000 | 0.26% | 395,404,227 | 11.22% | 2,907,298,000 | 3.80% |
| 2030 | 43,385,000 | 7,591,012 | 50,976,012 | 4,024,312,058 | 1.27% | 84,556,000,000 | 0.20% | 405,642,737 | 11.35% | 2,907,298,000 | 3.64% |
| 2031 | 31,985,000 | 5,322,108 | 37,307,108 | 4,044,433,618 | 0.92% | 87,092,000,000 | 0.14% | 416,146,361 | 11.21% | 2,907,298,000 | 3.48% |
| 2032 | 33,565,000 | 3,750,377 | 37,315,377 | 4,064,655,786 | 0.92% | 89,704,000,000 | 0.10% | 426,921,964 | 11.42% | 2,907,298,000 | 3.35% |
| 2033 | 23,020,000 | 2,450,225 | 25,470,225 | 4,084,979,065 | 0.62% | 92,395,000,000 | 0.07% | 437,976,588 | 11.35% | 2,907,298,000 | 3.21% |
| 2034 | 17,910,000 | 1,520,056 | 19,430,056 | 4,105,403,961 | 0.47% | 95,166,000,000 | 0.04% | 449,317,458 | 11.42% | 2,907,298,000 | 3.09% |
| 2035 | 14,620,000 | 761,184 | 15,381,184 | 4,125,930,980 | 0.37% | 98,020,000,000 | 0.02% | 460,951,985 | 11.54% | 2,907,298,000 | 2.99% |
| 2036 | 4,805,000 | 144,150 | 4,949,150 | 4,146,560,635 | 0.12% | 100,960,000,000 | 0.005% | 472,887,775 | 11.52% | 2,907,298,000 | 2.88% |
| | 1,755,384,296 | 594,036,427 | 2,349,420,723 | | | | | | | | |

| Revenue Growth After 2021 | 0.50% | Rapdity of Repayment | |
|---|------------|----------------------|---------|
| Personal Income Growth After 2023 | 3.00% | 5 Years | 42.85% |
| Population (2015) | 1,056,298 | 10 Years | 79.38% |
| Gross State Product (2016-1st Quarter) (000s) | 58,295,000 | 20 Years | 100.00% |