MOODY'S INVESTORS SERVICE

SECTOR IN-DEPTH

17 March 2016

Rate this Research >>

Contacts	
Heather Guss Analyst heather.guss@moodys.com	617-535-7693
Natalie Claes Associate Analyst natalie.claes@moodys.com	312-706-9973
Nicholas Lehman Analyst nicholas.lehman@moodys.co	617-535-7694 m
Matthew A. Jones Senior Vice President matthew.jones@moodys.com	415-274-1735
Leonard Jones MD-Public Finance leonard.jones@moodys.com	212-553-3806

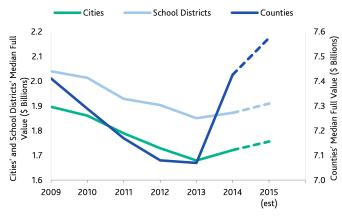
Local Government - US

Medians – Growing Tax Bases and Stable Fund Balances Support Sector's Stability

Modestly rebounding tax bases and stable financial performance continue to conform to the expectations outlined in our <u>stable sector outlook</u> for US local governments, as shown in our 2014 medians. Medians for fund and cash balances as a percent of revenue will remain stable as year over year growth has leveled off following consecutive years of increases after the recession. Net pension liabilities continue to grow and will remain a long-term drag on the sector.

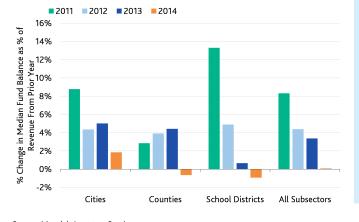
- » Modest growth in full value underlines sector stability. 2014 full value medians reflect the stabilization of property values for cities, counties and school districts, following several years of declines. The average median growth for all subsectors is 2.9%, driven by the county median which increased 5.1%.
- » **Fund balance levels remain healthy, but growth has leveled off.** Growth in fund balance as a percent of revenue ended in 2014 with county and school district medians each declining less than 1% from 2013. The city median increased a modest 1.8%.
- » Cash balance grew modestly for all three sectors. Cash balance as a percent of revenue medians experienced marginal increases for all subsectors, but similar to fund balance, the trend should level off in the near term. The medians in all subsectors grew by an average of 2.2%.
- » Net direct debt as a percent of full value continues to increase for cities and school districts as new debt issuance grew faster than tax base growth. School districts, which experienced the least amount of tax base growth, had the largest median increase at 2.8%. For the third consecutive year, the county median remained stable at 0.5% as full value growth kept pace with new debt issuance. Net direct debt over operating revenues reflect a more stable trend with those medians remaining flat for all subsectors.
- The three-year Moody's Adjusted Net Pension Liability (ANPL)¹ increased in 2014 and pension liabilities will remain a long-term challenge for the sector. Strong investment performance led to modest declines in some ANPLs in 2014, however other ANPLs increased due to factors such as lower discount rates applied under our adjustments. ANPLs will increase in 2015 and 2016, driven by adverse investment performance and declines in discount rates. However, individual pension burdens vary greatly and are not a source of pressure for every local government.





Source: Moody's Investors Service

Exhibit 2 Growth in Fund Balance as % of Revenue Leveled Off in 2014



Source: Moody's Investors Service

Full value will continue modest growth in most regions

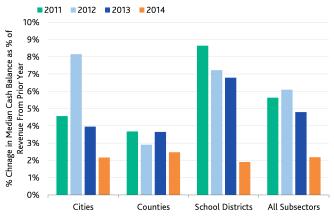
- » The average median growth for all subsectors is 2.9% in 2014, driven by the county median which increased 5.1%.
- » Recovering property values and robust new development in some areas of the country are driving the rebound.
- » Fiscal 2015 medians will reflect a continued trend of modest tax base growth, given that expansion in some regions of the country will be offset by stalled growth in some states.
- » Property tax receipts will also improve in 2015 as a result of the new growth and will be available to finance rising fixed costs, such as pension payments.

Fund balance levels are healthy and will remain stable in 2015

- » The average annual growth rate for all subsectors has declined each year to 0.1% in 2014 from 8.3% in 2011.
- » The city median increased 1.8% in 2014, while the county and school district medians declined less than 1% each.
- » The 2014 city and county fund balance as % of revenue medians were a healthy 32%.
- » The school district median is slightly weaker at 21% because districts often face state-imposed reserve caps.

This publication does not announce a credit rating action. For any credit ratings referenced in this publication, please see the ratings tab on the issuer/entity page on www.moodys.com for the most updated credit rating action information and rating history.

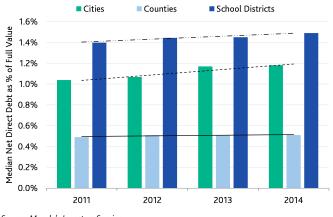
Exhibit 3 Growth in Cash Balance as % of Revenue Remains Positive



Source: Moody's Investors Service

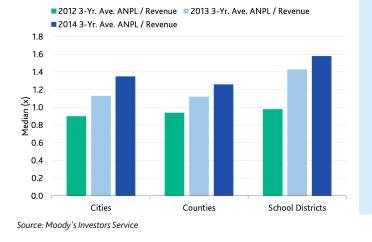
Exhibit 4

Cities' and School Districts' Debt Burdens Continue to Gradually Rise



Source: Moody's Investors Service

Exhibit 5 Pension Leverage Continues to Rise



Growth will level off and cash balances will remain stable in 2015

- » The medians in all subsectors remain healthy and grew by an average of 2.2% in 2014.
- » Similar to fund balance, the trend is leveling off and annual growth has slowed from 6.1% in 2012.
- » The 2014 city and county cash balance as % of revenue medians were 34% and 36%, respectively.
- » The school district median is slightly weaker at 25%.

Cities' and school districts' new debt issuance continues to outpace tax base growth

- » School districts, which experienced the least amount of tax base growth, had the largest median increase at 2.8%.
- » For the third consecutive year, the county median remained stable at 0.5% as full value growth kept pace with debt issuance.
- » Net direct debt relative to operating revenues was flat from 2013 to 2014 for all subsectors.
- » New debt issuance will remain low in 2015, but an increase in capital spending to address deferred infrastructure needs will increase leverage over the medium term.

Growing pension burdens will remain a long-term drag on the sector

- » Strong investment performance led to modest declines in some ANPLs in 2014, however other ANPLs increased due to factors such as lower discount rates applied under our adjustments.
- » <u>ANPLs will increase in 2015 and 2016</u>, driven by adverse investment performance and declines in discount rates.
- » Pension costs will account for an increasing portion of annual expenditures for many local governments, but individual pension burdens vary greatly and are not a universal source of pressure.

Basis for Medians

The medians report conforms to our <u>US Local Government General Obligation Debt</u> rating methodology published in January 2014. As such, the medians presented here are based on the key metrics outlined in the methodology and the associated scorecard. The appendix of this report provides additional metrics broken out by sector, rating category, and population.

We use data from a variety of sources to calculate the medians, many of which have differing reporting schedules. Whenever possible, we calculated these medians using available data for fiscal year 2014. However, there are some exceptions. Population data is based on the 2010 Census and Median Family Income is derived from the 2012 American Community Survey.

Medians for some rating levels are based on relatively small sample sizes. Therefore, these medians may be subject to potentially substantial yearover-year variation.

Our ratings reflect our forward-looking opinion derived from forecasts of financial performance and qualitative factors, as opposed to strictly historical quantitative data used for the medians. Our expectation of future performance combined with the relative importance of certain metrics on individual local government ratings account for the range of values that can be found within each rating category.

Median data for prior years published in this report may not match last year's publication due to data refinement and changes in the sample sets used, as well as rating changes, initial ratings, and rating withdrawals. The data for this report includes the addition of the Debt Service Fund as an operating fund for fiscal 2010-14, so certain medians might differ from last year's report. In addition, two scorecard metrics – Five-Year Dollar Change in Fund Balance as Percentage of Revenues and Five-Year Dollar Change in Cash Balance as Percentage of Revenues – are excluded from Exhibit 6 entirely because they rely on data prior to 2010.

The 2015 medians report will be published in the first quarter of calendar year 2017, and will include updated medians for fiscal 2010-14.

Appendix A

Exhibit 6

Six-year history of select medians

Cities	2009	2010	2011	2012	2013	2014
Full Value (in \$000s)	\$1,896,300	\$1,860,349	\$1,789,457	\$1,728,940	\$1,679,535	\$1,721,650
Full Value Per Capita (\$)	\$93,145	\$94,005	\$90,209	\$86,631	\$85,027	\$85,195
MFI as % of US (2012 ACS)	114.3%	114.3%	114.3%	115.2%	115.2%	115.2%
Fund Balance as % of Revenues	-	26.4%	28.8%	30.0%	31.5%	32.1%
Cash Balance as % of Revenues	_	28.7%	30.0%	32.4%	33.7%	34.4%
Institutional Framework	-	-	-	-	-	Aa
Operating History: 5-Year Average of Operating Revenues /	1.00	1.00	1.00	1.00	1.00	1.01
Operating Expenditures (x)						
Net Direct Debt / Full Value (%)	1.03%	1.04%	1.04%	1.07%	1.17%	1.18%
Net Direct Debt / Operating Revenues (x)	-	1.02	0.95	0.94	0.94	0.94
3-Year Average of Moody's Adjusted Net Pension Liability / Full Value (%)	-	-	-	1.15%	1.38%	1.69%
3-Year Average of Moody's Adjusted Net Pension Liability / Operating Revenues (x)	-	-	-	0.90	1.13	1.35
Counties	2009	2010	2011	2012	2013	2014
Full Value (in \$000s)	\$7,410,675	\$7,288,356	\$7,169,425	\$7,080,206	\$7,069,613	\$7,426,739
Full Value Per Capita (\$)	\$80,525	\$80,564	\$78,652	\$77,463	\$77,878	\$78,398
MFI as % of US (2012 ACS)	93.7%	93.7%	93.7%	94.2%	94.2%	94.2%
Fund Balance as % of Revenues	_	29.1%	29.9%	31.1%	32.5%	32.3%
Cash Balance as % of Revenues	_	32.2%	33.4%	34.4%	35.6%	36.5%
Institutional Framework	-	-	-	-	-	Aa
Operating History: 5-Year Average of Operating Revenues / Operating Expenditures (x)	1.00	1.00	1.01	1.00	1.00	1.00
Net Direct Debt / Full Value (%)	0.50%	0.50%	0.49%	0.51%	0.51%	0.51%
Net Direct Debt / Operating Revenues (x)	-	0.66	0.64	0.64	0.63	0.63
3-Year Average of Moody's Adjusted Net Pension Liability / Full Value (%)	-	-	-	0.74%	0.84%	0.97%
3-Year Average of Moody's Adjusted Net Pension Liability / Operating Revenues (x)	-	-	-	0.94	1.12	1.26
School Districts	2009	2010	2011	2012	2013	2014
Full Value (in \$000s)	\$2,039,845	\$2,013,707	\$1,928,851	\$1,903,279	\$1,850,275	\$1,872,081
Full Value Per Capita (\$)	\$85,903	\$83,871	\$82,138	\$79,475	\$79,235	\$80,896
MFI as % of US (2012 ACS)	104.6%	104.6%	104.6%	103.1%	103.1%	103.1%
Fund Balance as % of Revenues	-	17.8%	20.2%	21.2%	21.3%	21.1%
Cash Balance as % of Revenues	-	19.8%	21.5%	23.1%	24.6%	25.1%
Institutional Framework	-	-	-	-	-	A
Operating History: 5-Year Average of Operating Revenues / Operating Expenditures (x)	1.01	1.01	1.01	1.01	1.00	1.00
Net Direct Debt / Full Value (%)	1.31%	1.32%	1.40%	1.44%	1.45%	1.49%
Net Direct Debt / Operating Revenues (x)	-	0.74	0.75	0.76	0.75	0.75
3-Year Average of Moody's Adjusted Net Pension Liability / Full Value (%)	-	-	-	2.09%	2.66%	3.14%
3-Year Average of Moody's Adjusted Net Pension Liability / Operating Revenues (x)	-	-	-	0.98	1.43	1.58
Source: Moody's Investors Service						

US Local Government Medians - US Cities (All)

Selected Indicators	2014
Median Moody's GO/Issuer Rating	Aa3
Total General Fund Revenues (\$000s)	\$18,277
General Fund Balance as % of Revenues	34.2%
Available General Fund Balance as % of Revenues	31.3%
Direct Net Debt as % of Full Value	1.2%
Overall Debt Burden (Overall Net Debt as % of Full Value)	2.7%
Total Full Value (\$000s)	\$1,721,650
Population 2010 Census	17,800
Full Value Per Capita	\$85,195
Ten Largest Taxpayers as % of AV	9.0%
MFI as a % of US (2012 ACS)	115.1%

Source: Moody's Investors Service

Exhibit 8

Medians by Rating - US Cities (All)

Selected Indicators	Aaa	Aa	Α	Baa	Ba
Total General Funds Revenues (\$000s)	\$56,373	\$23,574	\$7,259	\$9,597	\$18,347
General Fund Balance as % of Revenues	39.0%	35.8%	32.4%	14.4%	6.9%
Available General Fund Balance as % of Revenues	36.5%	32.6%	28.5%	10.1%	6.1%
Direct Net Debt as % of Full Value	0.7%	1.0%	1.7%	2.8%	3.5%
Overall Debt Burden (Overall Net Debt as % of Full Value)	2.1%	2.4%	3.1%	3.9%	6.8%
Total Full Value (\$000s)	\$6,664,506	\$2,250,636	\$586,210	\$719,201	\$642,482
Population 2010 Census	38,659	21,193	8,562	12,072	23,148
Full Value Per Capita	\$178,701	\$98,501	\$60,744	\$50,158	\$43,568
Ten Largest Taxpayers as % of AV	7.5%	8.5%	11.9%	13.2%	10.6%

Source: Moody's Investors Service

Exhibit 9

Medians by Rating - US Cities (Population > 500,000)

Selected Indicators	Aaa	Aa	Α	Baa	Ba
Total General Funds Revenues (\$000s)	\$826,013	\$818,229	N/A	N/A	N/A
General Fund Balance as % of Revenues	27.5%	17.6%	N/A	N/A	N/A
Available General Fund Balance as % of Revenues	23.5%	17.5%	N/A	N/A	N/A
Direct Net Debt as % of Full Value	1.6%	1.8%	N/A	N/A	N/A
Overall Debt Burden (Overall Net Debt as % of Full Value)	3.6%	3.9%	N/A	N/A	N/A
Total Full Value (\$000s)	\$81,812,948	\$87,251,522	N/A	N/A	N/A
Population 2010 Census	674,509	813,510	N/A	N/A	N/A
Full Value Per Capita	\$107,291	\$72,330	N/A	N/A	N/A
Ten Largest Taxpayers as % of AV	6.2%	4.5%	N/A	N/A	N/A

Medians by Rating - US Cities (100,000 < Population < 500,000)

Selected Indicators	Aaa	Aa	Α	Baa	Ba
Total General Funds Revenues (\$000s)	\$184,062	\$136,424	\$241,202	N/A	N/A
General Fund Balance as % of Revenues	27.3%	26.1%	8.9%	N/A	N/A
Available General Fund Balance as % of Revenues	29.4%	24.5%	7.8%	N/A	N/A
Direct Net Debt as % of Full Value	1.1%	1.3%	3.0%	N/A	N/A
Overall Debt Burden (Overall Net Debt as % of Full Value)	2.6%	3.4%	5.0%	N/A	N/A
Total Full Value (\$000s)	\$22,710,892	\$12,517,782	\$9,237,025	N/A	N/A
Population 2010 Census	203,264	159,498	169,059	N/A	N/A
Full Value Per Capita	\$108,966	\$76,462	\$54,447	N/A	N/A
Ten Largest Taxpayers as % of AV	6.9%	6.5%	9.9%	N/A	N/A

Source: Moody's Investors Service

Exhibit 11

Medians by Rating - US Cities (50,000 < Population < 100,000)

Selected Indicators	Aaa	Aa	Α	Baa	Ba
Total General Funds Revenues (\$000s)	\$60,581	\$57,391	\$62,727	\$85,487	N/A
General Fund Balance as % of Revenues	38.0%	31.8%	14.5%	4.9%	N/A
Available General Fund Balance as % of Revenues	37.5%	30.9%	11.5%	2.1%	N/A
Direct Net Debt as % of Full Value	0.6%	1.2%	1.6%	3.7%	N/A
Overall Debt Burden (Overall Net Debt as % of Full Value)	2.2%	3.0%	3.7%	3.7%	N/A
Total Full Value (\$000s)	\$10,211,024	\$5,738,067	\$3,520,791	\$3,175,962	N/A
Population 2010 Census	64,403	66,102	64,097	66,455	N/A
Full Value Per Capita	\$140,169	\$80,130	\$56,337	\$46,536	N/A
Ten Largest Taxpayers as % of AV	7.5%	7.7%	7.6%	6.4%	N/A

Source: Moody's Investors Service

Exhibit 12

Medians by Rating - US Cities (Population < 50,000)

Selected Indicators	Aaa	Aa	Α	Baa	Ba
Total General Funds Revenues (\$000s)	\$35,356	\$17,678	\$6,031	\$7,335	\$12,467
General Fund Balance as % of Revenues	45.1%	38.5%	34.3%	17.9%	6.9%
Available General Fund Balance as % of Revenues	42.7%	35.2%	31.3%	12.1%	6.9%
Direct Net Debt as % of Full Value	0.7%	1.0%	1.6%	2.6%	3.6%
Overall Debt Burden (Overall Net Debt as % of Full Value)	1.9%	2.2%	3.0%	3.9%	5.6%
Total Full Value (\$000s)	\$5,186,764	\$1,773,239	\$523,739	\$619,600	\$384,515
Population 2010 Census	23,292	16,593	8,079	10,640	13,548
Full Value Per Capita	\$226,958	\$106,973	\$60,976	\$52,329	\$39,163
Ten Largest Taxpayers as % of AV	7.6%	9.0%	13.1%	14.8%	13.7%

US Local Government Medians - US Counties (All)

Selected Indicators	2014
Median Moody's GO/Issuer Rating	Aa2
Total General Funds Revenues (\$000s)	\$41,968
General Fund Balance as % of Revenues	34.6%
Available General Fund Balance as % of Revenues	32.4%
Direct Net Debt as % of Full Value	0.5%
Overall Debt Burden (Overall Net Debt as % of Full Value)	1.7%
Total Full Value (\$000s)	\$7,426,739
Population 2010 Census	88,995
Full Value Per Capita	\$78,398
Ten Largest Taxpayers as % of AV	6.2%
MFI as % of US median (2012 ACS)	94.4%

Source: Moody's Investors Service

Exhibit 14

Medians by Rating - US Counties (All)

Selected Indicators	Aaa	Aa	Α	Baa
Total General Funds Revenues (\$000s)	\$243,218	\$47,415	\$12,140	\$17,461
General Fund Balance as % of Revenues	35.0%	35.4%	32.2%	6.7%
Available General Fund Balance as % of Revenues	33.5%	33.1%	30.3%	4.2%
Direct Net Debt as % of Full Value	0.6%	0.5%	0.7%	0.8%
Overall Debt Burden (Overall Net Debt as % of Full Value)	2.4%	1.6%	1.4%	1.3%
Total Full Value (\$000s)	\$57,065,878	\$8,612,497	\$2,076,723	\$3,297,879
Population 2010 Census	495,321	99,350	32,317	49,652
Full Value Per Capita	\$106,067	\$80,705	\$61,963	\$66,947
Ten Largest Taxpayers as % of AV	4.1%	6.3%	8.7%	17.2%

Source: Moody's Investors Service

Exhibit 15

Medians by Rating - US Counties (Population > 1 Million)

Selected Indicators	Aaa	Aa	Α	Baa
Total General Funds Revenues (\$000s)	\$648,233	\$2,258,581	\$2,096,616	N/A
General Fund Balance as % of Revenues	21.4%	18.8%	4.8%	N/A
Available General Fund Balance as % of Revenues	21.4%	17.4%	1.0%	N/A
Direct Net Debt as % of Full Value	0.5%	0.5%	1.0%	N/A
Overall Debt Burden (Overall Net Debt as % of Full Value)	3.0%	3.5%	5.1%	N/A
Total Full Value (\$000s)	\$153,926,100	\$212,707,871	\$200,331,933	N/A
Population 2010 Census	1,517,454	1,993,240	1,418,788	N/A
Full Value Per Capita	\$91,846	\$106,981	\$86,367	N/A
Ten Largest Taxpayers as % of AV	4.2%	4.1%	4.1%	N/A

Medians by Rating - US Counties (250,000 < Population < 1 Million)

Selected Indicators	Aaa	Aa	Α	Baa
Total General Funds Revenues (\$000s)	\$233,064	\$148,403	N/A	N/A
General Fund Balance as % of Revenues	37.1%	27.4%	N/A	N/A
Available General Fund Balance as % of Revenues	35.5%	24.7%	N/A	N/A
Direct Net Debt as % of Full Value	0.5%	0.5%	N/A	N/A
Overall Debt Burden (Overall Net Debt as % of Full Value)	2.4%	2.3%	N/A	N/A
Total Full Value (\$000s)	\$57,702,722	\$34,999,571	N/A	N/A
Population 2010 Census	508,640	399,293	N/A	N/A
Full Value Per Capita	\$105,577	\$78,703	N/A	N/A
Ten Largest Taxpayers as % of AV	4.3%	5.2%	N/A	N/A

Source: Moody's Investors Service

Exhibit 17

Medians by Rating - US Counties (100,000 < Population < 250,000)

Selected Indicators	Aaa	Aa	Α	Baa
Total General Funds Revenues (\$000s)	\$75,840	\$59,819	\$86,630	N/A
General Fund Balance as % of Revenues	50.1%	32.2%	17.8%	N/A
Available General Fund Balance as % of Revenues	46.3%	30.3%	15.4%	N/A
Direct Net Debt as % of Full Value	0.7%	0.5%	0.6%	N/A
Overall Debt Burden (Overall Net Debt as % of Full Value)	2.5%	1.8%	1.7%	N/A
Total Full Value (\$000s)	\$18,998,110	\$11,700,646	\$8,638,897	N/A
Population 2010 Census	183,182	154,727	147,546	N/A
Full Value Per Capita	\$107,029	\$72,270	\$48,468	N/A
Ten Largest Taxpayers as % of AV	3.4%	5.8%	9.4%	N/A

Source: Moody's Investors Service

Exhibit 18

Medians by Rating - US Counties (Population < 100,000)

Selected Indicators	Aaa	Aa	Α	Baa
Total General Funds Revenues (\$000s)	N/A	\$23,437	\$10,675	\$11,803
General Fund Balance as % of Revenues	N/A	41.7%	35.5%	6.7%
Available General Fund Balance as % of Revenues	N/A	39.9%	33.7%	6.3%
Direct Net Debt as % of Full Value	N/A	0.4%	0.7%	0.8%
Overall Debt Burden (Overall Net Debt as % of Full Value)	N/A	1.2%	1.2%	1.0%
Total Full Value (\$000s)	N/A	\$4,430,133	\$1,812,379	\$2,145,375
Population 2010 Census	N/A	50,513	28,744	22,855
Full Value Per Capita	N/A	\$88,105	\$62,861	\$60,213
Ten Largest Taxpayers as % of AV	N/A	7.3%	10.3%	22.9%

US Local Government Medians - US School Districts (All)

Selected Indicators	2014
Median Moody's GO/Issuer Rating	Aa3
Total General Fund Revenues (\$000s)	\$35,327
General Fund Balance as % of Revenues	19.5%
Available General Fund Balance as % of Revenues	17.7%
Direct Net Debt as % of Full Value	1.5%
Overall Debt Burden (Overall Net Debt as % of Full Value)	2.5%
Total Full Value (\$000s)	\$1,872,081
Population 2010 Census	22,623
Full Value Per Capita	\$80,213
Ten Largest Taxpayers as % of AV	8.6%
MFI as a % of US (2012 ACS)	103.4%

Source: Moody's Investors Service

Exhibit 20

Medians by Rating - US School Districts (All)

Selected Indicators	Aaa	Aa	Α	Baa	Ba
Total General Funds Revenues (\$000s)	\$93,193	\$58,435	\$20,010	\$16,538	\$28,152
General Fund Balance as % of Revenues	28.6%	21.0%	18.2%	3.7%	-4.0%
Available General Fund Balance as % of Revenues	27.4%	19.0%	16.8%	3.4%	-4.5%
Direct Net Debt as % of Full Value	0.7%	1.2%	1.9%	2.4%	5.5%
Overall Debt Burden (Overall Net Debt as % of Full Value)	2.1%	2.4%	2.6%	3.2%	7.4%
Total Full Value (\$000s)	\$8,667,747	\$3,538,144	\$849,881	\$704,139	\$554,986
Population 2010 Census	46,396	35,684	13,009	11,588	15,125
Full Value Per Capita	\$176,528	\$93,534	\$65,942	\$62,478	\$42,597
Ten Largest Taxpayers as % of AV	5.5%	7.8%	10.2%	11.3%	13.9%

Source: Moody's Investors Service

Exhibit 21

Medians by Rating - US School Districts (Population > 200,000)

Selected Indicators	Aaa	Aa	Α	Baa	Ba
Total General Funds Revenues (\$000s)	\$390,290	\$364,902	\$358,786	N/A	N/A
General Fund Balance as % of Revenue	32.8%	16.5%	9.1%	N/A	N/A
Available General Fund Balance as % of Revenues	32.1%	15.3%	6.4%	N/A	N/A
Direct Net Debt as % of Full Value	1.8%	1.2%	1.4%	N/A	N/A
Overall Debt Burden (Overall Net Debt as % of Full Value)	3.3%	3.1%	3.7%	N/A	N/A
Total Full Value (\$000s)	\$35,508,819	\$27,282,290	\$22,806,583	N/A	N/A
Population 2010 Census	254,145	284,811	331,298	N/A	N/A
Full Value Per Capita	\$87,409	\$80,901	\$60,958	N/A	N/A
Ten Largest Taxpayers as % of AV	4.8%	5.8%	5.2%	N/A	N/A

Medians by Rating - US School Districts (100,000 < Population < 200,000)

Selected Indicators	Aaa	Aa	Α	Baa	Ba
Total General Funds Revenues (\$000s)	\$193,681	\$187,644	\$160,725	N/A	N/A
General Fund Balance as % of Revenue	13.4%	17.9%	10.2%	N/A	N/A
Available General Fund Balance as % of Revenues	16.4%	15.8%	7.5%	N/A	N/A
Direct Net Debt as % of Full Value	0.4%	1.3%	1.3%	N/A	N/A
Overall Debt Burden (Overall Net Debt as % of Full Value)	1.9%	2.9%	3.1%	N/A	N/A
Total Full Value (\$000s)	\$33,665,152	\$11,349,866	\$10,269,521	N/A	N/A
Population 2010 Census	119,012	132,403	130,979	N/A	N/A
Full Value Per Capita	\$167,991	\$78,889	\$70,938	N/A	N/A
Ten Largest Taxpayers as % of AV	8.6%	7.0%	6.8%	N/A	N/A

Source: Moody's Investors Service

Exhibit 23

Medians by Rating - US School Districts (50,000 < Population < 100,000)

Selected Indicators	Aaa	Aa	Α	Baa	Ba
Total General Funds Revenues (\$000s)	\$120,847	\$94,111	\$87,747	\$141,479	N/A
General Fund Balance as % of Revenue	33.7%	19.3%	13.2%	5.7%	N/A
Available General Fund Balance as % of Revenues	33.6%	17.2%	10.3%	4.9%	N/A
Direct Net Debt as % of Full Value	0.8%	1.4%	1.9%	3.6%	N/A
Overall Debt Burden (Overall Net Debt as % of Full Value)	3.0%	2.6%	3.5%	4.9%	N/A
Total Full Value (\$000s)	\$11,986,147	\$6,325,642	\$3,631,246	\$4,067,685	N/A
Population 2010 Census	65,398	70,733	64,704	83,622	N/A
Full Value Per Capita	\$176,842	\$84,448	\$59,353	\$47,642	N/A
Ten Largest Taxpayers as % of AV	6.6%	8.4%	8.6%	7.2%	N/A

Source: Moody's Investors Service

Exhibit 24

Medians by Rating - US School Districts (10,000 < Population < 50,000)

Selected Indicators	Aaa	Aa	Α	Baa	Ba
Total General Funds Revenues (\$000s)	\$70,746	\$40,280	\$28,907	\$25,173	\$28,718
General Fund Balance as % of Revenue	28.6%	22.7%	16.4%	2.2%	-7.6%
Available General Fund Balance as % of Revenues	27.4%	21.2%	14.6%	1.5%	-7.9%
Direct Net Debt as % of Full Value	0.7%	1.4%	2.2%	2.5%	7.5%
Overall Debt Burden (Overall Net Debt as % of Full Value)	1.9%	2.5%	3.1%	3.1%	8.4%
Total Full Value (\$000s)	\$6,130,162	\$2,384,156	\$1,237,417	\$863,685	\$725,122
Population 2010 Census	26,288	24,403	19,037	18,416	21,347
Full Value Per Capita	\$199,015	\$94,877	\$60,445	\$53,642	\$37,610
Ten Largest Taxpayers as % of AV	5.5%	8.4%	9.8%	11.2%	11.1%

Medians by Rating - US School Districts (Population < 10,000)

Selected Indicators	Aaa	Aa	Α	Baa	Ba
Total General Funds Revenues (\$000s)	N/A	\$14,181	\$10,063	\$6,738	\$5,774
General Fund Balance as % of Revenues	N/A	31.7%	26.0%	8.3%	-7.9%
Available General Fund Balance as % of Revenues	N/A	28.6%	23.6%	9.4%	-7.9%
Direct Net Debt as % of Full Value	N/A	0.9%	1.8%	1.3%	3.0%
Overall Debt Burden (Overall Net Debt as % of Full Value)	N/A	1.8%	2.1%	1.8%	3.5%
Total Full Value (\$000s)	N/A	\$1,163,121	\$417,169	\$322,230	\$243,744
Population 2010 Census	N/A	7,226	5,903	4,808	5,436
Full Value Per Capita	N/A	\$166,032	\$69,449	\$67,918	\$60,050
Ten Largest Taxpayers as % of AV	N/A	6.3%	11.9%	19.3%	27.8%

Moody's Related Research

Market Volatility Points to Growing US Public Pension Debt in 2016, March 2016

2016 Outlook - Growing Property Tax Revenue and Improving Fund Balances Underpin Stable Outlook, December 2015

US Local Governments - Updated 2013 Medians: Updated 2013 US Local Government Medians Demonstrate Stability of Sector, August 2015

New Pension Accounting Increases Clarity of Plan Funding Trajectories, March 2015

Construction Ahead: US Local Governments to Increase Capital Spending by 2016-17, February 2015

US Local Government General Obligation Debt, January 2014

Endnotes

1 Moody's adjusts pension assets and liabilities reported by US local governments for the purpose of our own independent credit analysis. For more information, please see our methodology published in April 2013.

© 2016 Moody's Corporation, Moody's Investors Service, Inc., Moody's Analytics, Inc. and/or their licensors and affiliates (collectively, "MOODY'S"). All rights reserved.

CREDIT RATINGS ISSUED BY MOODY'S INVESTORS SERVICE, INC. AND ITS RATINGS AFFILIATES ("MIS") ARE MOODY'S CURRENT OPINIONS OF THE RELATIVE FUTURE CREDIT RISK OF ENTITIES, CREDIT COMMITMENTS, OR DEBT OR DEBT-LIKE SECURITIES, AND CREDIT RATINGS AND RESEARCH PUBLICATIONS PUBLISHED BY MOODY'S ("MOODY'S PUBLICATIONS") MAY INCLUDE MOODY'S CURRENT OPINIONS OF THE RELATIVE FUTURE CREDIT RISK OF ENTITIES, CREDIT COMMITMENTS, OR DEBT OR DEBT-LIKE SECURITIES. MOODY'S DEFINES CREDIT RISK AS THE RISK THAT AN ENTITY MAY NOT MEET ITS CONTRACTUAL, FINANCIAL OBLIGATIONS AS THEY COME DUE AND ANY ESTIMATED FINANCIAL LOSS IN THE EVENT OF DEFAULT. CREDIT RATINGS DO NOT ADDRESS ANY OTHER RISK, INCLUDING BUT NOT LIMITED TO: LIQUIDITY RISK, MARKET VALUE RISK, OR PRICE VOLATILITY. CREDIT RATINGS AND MOODY'S OPINIONS INCLUDED IN MOODY'S PUBLICATIONS ARE NOT STATEMENTS OF CURRENT OR HISTORICAL FACT. MOODY'S PUBLICATIONS MAY ALSO INCLUDE QUANTITATIVE MODEL-BASED ESTIMATES OF CREDIT RISK AND RELATED OPINIONS OR COMMENTARY PUBLISHED BY MOODY'S ANALYTICS, INC. CREDIT RATINGS AND MOODY'S PUBLICATIONS DO NOT CONSTITUTE OR PROVIDE INVESTMENT OF FINANCIAL ADVICE, AND CREDIT RATINGS AND MOODY'S PUBLICATIONS ARE NOT AND DO NOT PROVIDE RECOMMENDATIONS TO PURCHASE, SELL, OR HOLD PARTICULAR SECURITIES. NEITHER CREDIT RATINGS NOR MOODY'S PUBLICATIONS COMMENT ON THE SUITABILITY OF AN INVESTMENT FOR ANY PARTICULAR INVESTOR. MOODY'S ISSUES ITS CREDIT RATINGS AND PUBLISHES MOODY'S PUBLICATIONS WITH THE EXPECTATION AND UNDERSTANDING THAT EACH INVESTOR WILL, WITH DUE CARE, MAKE ITS OWN STUDY AND EVALUATION OF EACH SECURITY THAT IS UNDER CONSIDERATION FOR PURCHASE, HOLDING, OR SALE.

MOODY'S CREDIT RATINGS AND MOODY'S PUBLICATIONS ARE NOT INTENDED FOR USE BY RETAIL INVESTORS AND IT WOULD BE RECKLESS AND INAPPROPRIATE FOR RETAIL INVESTORS TO USE MOODY'S CREDIT RATINGS OR MOODY'S PUBLICATIONS WHEN MAKING AN INVESTMENT DECISION. IF IN DOUBT YOU SHOULD CONTACT YOUR FINANCIAL OR OTHER PROFESSIONAL ADVISER. ALL INFORMATION CONTAINED HEREIN IS PROTECTED BY LAW, INCLUDING BUT NOT LIMITED TO, COPYRIGHT LAW, AND NONE OF SUCH INFORMATION MAY BE COPIED OR OTHERWISE REPRODUCED, REPACKAGED, FURTHER TRANSMITTED, TRANSFERRED, DISSEMINATED, REDISTRIBUTED OR RESOLD, OR STORED FOR SUBSEQUENT USE FOR ANY SUCH PURPOSE, IN WHOLE OR IN PART, IN ANY FORM OR MANNER OR BY ANY MEANS WHATSOEVER, BY ANY PERSON WITHOUT MOODY'S PRIOR WRITTEN CONSENT.

All information contained herein is obtained by MOODY'S from sources believed by it to be accurate and reliable. Because of the possibility of human or mechanical error as well as other factors, however, all information contained herein is provided "AS IS" without warranty of any kind. MOODY'S adopts all necessary measures so that the information it uses in assigning a credit rating is of sufficient quality and from sources MOODY'S considers to be reliable including, when appropriate, independent third-party sources. However, MOODY'S is not an auditor and cannot in every instance independently verify or validate information received in the rating process or in preparing the Moody's Publications.

To the extent permitted by law, MOODY'S and its directors, officers, employees, agents, representatives, licensors and suppliers disclaim liability to any person or entity for any indirect, special, consequential, or incidental losses or damages whatsoever arising from or in connection with the information contained herein or the use of or inability to use any such information, even if MOODY'S or any of its directors, officers, employees, agents, representatives, licensors or suppliers is advised in advance of the possibility of such losses or damages, including but not limited to: (a) any loss of present or prospective profits or (b) any loss or damage arising where the relevant financial instrument is not the subject of a particular credit rating assigned by MOODY'S.

To the extent permitted by law, MOODY'S and its directors, officers, employees, agents, representatives, licensors and suppliers disclaim liability for any direct or compensatory losses or damages caused to any person or entity, including but not limited to by any negligence (but excluding fraud, willful misconduct or any other type of liability that, for the avoidance of doubt, by law cannot be excluded) on the part of, or any contingency within or beyond the control of, MOODY'S or any of its directors, officers, employees, agents, representatives, licensors or suppliers, arising from or in connection with the information contained herein or the use of or inability to use any such information.

NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY, TIMELINESS, COMPLETENESS, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF ANY SUCH RATING OR OTHER OPINION OR INFORMATION IS GIVEN OR MADE BY MOODY'S IN ANY FORM OR MANNER WHATSOEVER.

Moody's Investors Service, Inc., a wholly-owned credit rating agency subsidiary of Moody's Corporation ("MCO"), hereby discloses that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by Moody's Investors Service, Inc. have, prior to assignment of any rating, agreed to pay to Moody's Investors Service, Inc. for appraisal and rating services rendered by it fees ranging from \$1,500 to approximately \$2,500,000. MCO and MIS also maintain policies and procedures to address the independence of MIS's ratings and rating processes. Information regarding certain affiliations that may exist between directors of MCO and rated entities, and between entities who hold ratings from MIS and have also publicly reported to the SEC an ownership interest in MCO of more than 5%, is posted annually at www.moodys.com under the heading "Investor Relations — Corporate Governance — Director and Shareholder Affiliation Policy."

Additional terms for Australia only: Any publication into Australia of this document is pursuant to the Australian Financial Services License of MOODY'S affiliate, Moody's Investors Service Pty Limited ABN 61 003 399 657AFSL 336969 and/or Moody's Analytics Australia Pty Ltd ABN 94 105 136 972 AFSL 383569 (as applicable). This document is intended to be provided only to "wholesale clients" within the meaning of section 761G of the Corporations Act 2001. By continuing to access this document from within Australia, you represent to MOODY'S that you are, or are accessing the document as a representative of, a "wholesale client" and that neither you nor the entity you represent will directly or indirectly disseminate this document or its contents to "retail clients" within the meaning of section 761G of the Corporations Act 2001. MOODY'S credit rating is an opinion as to the creditworthiness of a debt obligation of the issuer, not on the equity securities of the issuer or any form of security that is available to retail investors. It would be reckless and inappropriate for retail investors to use MOODY'S credit ratings or publications when making an investment decision. If in doubt you should contact your financial or other professional adviser.

Additional terms for Japan only: Moody's Japan K.K. ("MJKK") is a wholly-owned credit rating agency subsidiary of Moody's Group Japan G.K., which is wholly-owned by Moody's Overseas Holdings Inc., a wholly-owned subsidiary of MCO. Moody's SF Japan K.K. ("MSFJ") is a wholly-owned credit rating agency subsidiary of MJKK. MSFJ is not a Nationally Recognized Statistical Rating Organization ("NRSRO"). Therefore, credit ratings assigned by MSFJ are Non-NRSRO Credit Ratings. Non-NRSRO Credit Ratings are assigned by an entity that is not a NRSRO and, consequently, the rated obligation will not qualify for certain types of treatment under U.S. laws. MJKK and MSFJ are credit rating agencies registered with the Japan Financial Services Agency and their registration numbers are FSA Commissioner (Ratings) No. 2 and 3 respectively.

MJKK or MSFJ (as applicable) hereby disclose that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by MJKK or MSFJ (as applicable) have, prior to assignment of any rating, agreed to pay to MJKK or MSFJ (as applicable) for appraisal and rating services rendered by it fees ranging from JPY200,000 to approximately JPY350,000,000.

MJKK and MSFJ also maintain policies and procedures to address Japanese regulatory requirements.

REPORT NUMBER 1018580

MOODY'S INVESTORS SERVICE