# New Hope-Solebury School District 

# BOND SALE DOCUMENT General Obligation Bonds Series A of 2016 

## Results of Negotiated Pricing

## \$9,860,000

## October 25, 2016

(Parameters Resolution adopted on October 17, 2016)

Prepared by:<br>Chris Bamber, CFA<br>Senior Managing Consultant

## CREDIT OPINION

11 October 2016

New Issue

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Contacts
Matt Jaffe
+1.212-553-4771
Analyst
matt.jaffe@moodys.com
Vanessa Youngs
212-553-7127
Analyst
vanessa.youngs@moodys.com

## New Hope-Solebury School District, PA

## New Issue - Moody's assigns Aa1 rating to New HopeSolebury School District, PA's \$9.9M GOLT Bonds

## Summary Rating Rationale

Moody's Investors Service has assigned an Aa1 rating to the New Hope-Solebury School District, PA's $\$ 9.9$ million General Obligation Bonds, Series A of 2016. Moody's affirmed an Aa1 rating on the district's outstanding GO debt.

The Aa1 rating reflects the district's sizeable and affluent tax base with strong socioeconomic trends and below-average debt burden with manageable fixed costs. Additionally, the rating reflects the district's sound financial position, which remains so despite declines in reserves.

## Credit Strengths

» Sizeable tax base with above-average socioeconomic indicators
» Sound financial position despite recent reserve draws
» Below-average debt burden
» Willingness to raise revenues

## Credit Challenges

" Rising expenditures associated with pensions and salaries
" Additional reserve declines anticipated

## Rating Outlook

Outlooks are generally not assigned to local governments with this amount of debt outstanding.

## Factors that Could Lead to an Upgrade

» Implementation and sustained structurally balanced budget
» Increase in reserve and liquidity levels
» Material growth of tax base

## Factors that Could Lead to a Downgrade

" Additional declines in reserve levels beyond fiscal 2017 expectations
» Deterioration of tax base and decrease in wealth levels

## Key Indicators

Exhibit 1

| New Hope-Solebury School District, PA | 2011 |  | 2012 |  | 2013 |  | 2014 |  | 2015 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Economy/Tax Base |  |  |  |  |  |  |  |  |  |  |
| Total Full Value (\$000) | \$ | 2,637,282 | \$ | 2,622,434 | \$ | 2,538,445 | \$ | 2,543,366 | \$ | 2,538,109 |
| Full Value Per Capita | \$ | 237,251 | \$ | 234,817 | \$ | 226,606 | \$ | 227,086 | \$ | 226,617 |
| Median Family Income (\% of US Median) |  | 190.4\% |  | 190.6\% |  | 201.6\% |  | 218.3\% |  | 218.3\% |
| Finances |  |  |  |  |  |  |  |  |  |  |
| Operating Revenue (\$000) | \$ | 32,189 | \$ | 32,766 | \$ | 33,907 | \$ | 35,658 | \$ | 35,824 |
| Fund Balance as a \% of Revenues |  | 19.1\% |  | 19.6\% |  | 20.0\% |  | 20.1\% |  | 17.5\% |
| Cash Balance as a \% of Revenues |  | 19.6\% |  | 18.8\% |  | 22.1\% |  | 21.1\% |  | 18.8\% |
| Debt/Pensions |  |  |  |  |  |  |  |  |  |  |
| Net Direct Debt (\$000) | \$ | 31,372 | \$ | 28,487 | \$ | 25,382 | \$ | 22,207 | \$ | 20,917 |
| Net Direct Debt / Operating Revenues (x) |  | 1.0x |  | 0.9x |  | 0.7x |  | 0.6x |  | 0.6x |
| Net Direct Debt / Full Value (\%) |  | 1.2\% |  | 1.1\% |  | 1.0\% |  | 0.9\% |  | 0.8\% |
| Moody's - adjusted Net Pension Liability (3-yr average) to Revenues (x) |  | N/A |  | 0.8x |  | 1.1x |  | 1.2x |  | 1.4x |
| Moody's - adjusted Net Pension Liability (3-yr average) to Full Value (\%) |  | N/A |  | 1.0\% |  | 1.4\% |  | 1.7\% |  | 1.9\% |

Source: Moody's Investor Service

## Detailed Rating Considerations

## Economy and Tax Base: Sizeable and Affluent Tax Base

The New Hope-Solebury School District serves the New Hope Borough, PA and Township of Solebury, PA (Aa2), which are located in Bucks County (Aaa,stable) in southeastern Pennsylvania (Aa3,stable). The district has a sizeable $\$ 2.5$ billion tax base and socioeconomic demographics that are well above-average.

The suburban/rural communities the district serves are commutable to several economic hubs including Philadelphia, PA (A2, negative) and New York City (Aa2, stable) which are approximately 40 and 70 miles away, respectively. The district has a strong $\$ 226,617$ full value per capita and high wealth levels with per capita income and median family income at $222 \%$ and $218.3 \%$ of national averages, respectively. Taxpayer concentration is minimal at $2 \%$.

## Financial Operations and Reserves: Sound Financial Position Despite Declining Reserves

The school district's finances are expected to remain strong despite a recent draws on general fund balance. Fiscal 2015 ended with available General Fund balance at $17.5 \%$ of revenues following a drawdown of $\$ 877,000$. The decline was due to increasing costs related to salaries, benefits and pension contributions. While audited financials are not yet available for fiscal 2016, the district reports an additional draw of $\$ 1.3$ million, leaving available General Fund balance at approximately $15 \%$ of revenues. The district was not significantly impacted by the state budget impasse as the majority of its revenues come from local sources. For fiscal 2017, the district is anticipating an additional drawdown of General Fund balance. Despite these declines in reserves, the district remains in a sound financial position.

## LIQUIDITY

The district's liquidity is sound and despite declines, expected to remain so. General Fund cash declined \$767,000 in fiscal 2015 to $\$ 6.7$ million, or a still healthy $19 \%$ of revenues. The district anticipates a further decline in net cash for fiscal 2016, however audited financials are not yet available.

[^0]
## Debt and Pensions: Manageable Debt and Pension Burden

The district's debt burden is below-average compared national and state medians, with net direct debt at $1.3 \%$ of full valuation and increasing to $3 \%$ of full valuation when overlapping town and county debt is included. In fiscal 2015, debt service was manageable at $12 \%$ of operating expenses. Amortization of principal is slow with $32 \%$ paid within 10 years.

The district anticipates issuing an additional $\$ 6$ million in debt as part of its campus revitalization plan which is making upgrades to the middle school and high school. Taking this future issuance into consideration, Moody's expects the districts debt burden to remain manageable. Much of the district's debt has been restructured so as to keep debt service payments at their current levels.

## DEBT STRUCTURE

All of the district's debt is fixed-rate.

## DEBT-RELATED DERIVATIVES

The district is not party to interest rate swaps or derivatives.

## PENSIONS AND OPEB

The New Hope-Solebury School District participates in the Pennsylvania Public School Employees Retirement System ("PSERS"), a multiemployer, defined-benefit plan administered by the state. The district's annual required contribution for fiscal 2015 was \$1.9 million, which along with OPEB contributions of $\$ 153,000$, accounted for $5.1 \%$ of operating expenses.

Under Moody's methodology for adjusting reported pension data, the district's adjusted net pension liability ("ANPL") is $\$ 48.3$ million, which at 1.35 times operating revenue, is average for Pennsylvania school districts. The adjustments Moody's makes to determine ANPL are not intended to replace the district's reported liability information but rather to improve the comparability of reported liability information. We determine the district's share of liability for state-run plans in proportion to its contributions to the plans.

## Management and Governance

Leadership of the New Hope-Solebury School District has demonstrated their commitment to growing reserves through their willingness to raise property tax rates above the Act 1 index in both fiscal 2016 and fiscal 2017. Additionally, the district has additional reserves set aside to address increasing pension costs.

Pennsylvania school districts have an institutional framework score of "Baa," or weak. Revenues primarily consist of local property taxes, income taxes, and state aid. Revenue predictability is low as state aid can fluctuate annually based on state budget appropriations. Districts have a moderate ability to raise revenues as they are subject to the Act 1 cap, which requires voter approval for property tax increases above an Act 1 index, driven by the CPI. Expenditures primarily consist of instructional expenses, which are moderately predictable. Districts maintain a moderate ability to cut costs based on union contract negotiations and rising pension costs.

## Legal Security

The bonds are secured by the district's limited ad valorem tax pledge as they are subject to Act 1 limitations.

## Use of Proceeds

The proceeds from this issuance is being used fund the district's campus revitalization plan, including improvements to the middle and high school.

## Obligor Profile

The New Hope-Solebury School District serves the New Hope Borough and Township of Solebury, which are located in Bucks County in southeastern Pennsylvania.

## Methodology

The principal methodology used in this rating was US Local Government General Obligation Debt published in January 2014. Please see the Rating Methodologies page on www.moodys.com for a copy of this methodology.

## Ratings

Exhibit 2

| New Hope-Solebury School District, PA |  |
| :--- | ---: |
| Issue | Rating |
| General Obligation Bonds, Series A of 2016 | Aa1 |
| Rating Type | Underlying LT |
| Sale Amount | $\$ 9,850,000$ |
| Expected Sale Date | $10 / 14 / 2016$ |
| Rating Description | General Obligation |
|  | Limited Tax |

[^1]
## MMD YIELD CURVE

The MMD Yield Curve is a high grade municipal yield curve published daily by Municipal Market Data. It is one of the most commonly used benchmarks in municipal finance. The yields within the curve reflect the current yields for each maturity year at which bondholders would be likely to sell high quality (AAA rated) general obligation backed bonds. The yield curve is typically influenced by new issuances in the primary market as well as post-issuance trading in the secondary market.

Municipal bonds typically trade at a "spread to MMD", meaning the difference between the yield in a specific year of a bond issue and the respective yield in the MMD Yield Curve. While these spreads vary over time, they can be a meaningful and powerful tool in trying to compare relative yield levels in a volatile interest rate environment.


SPOT ANALYSIS - 10 YEAR MMD - SINCE JANUARY 1, 2006


Public Financial Management, Inc. | PFM Financial Advisors LLC.

|  | $\begin{gathered} 1 \\ \text { (Actual) } \end{gathered}$ | $\begin{gathered} 2 \\ \text { (Actual) } \end{gathered}$ | $\begin{gathered} 3 \\ \text { (Actual) } \end{gathered}$ | $\begin{gathered} 4 \\ \text { (Actual) } \end{gathered}$ | $\begin{gathered} 5 \\ \text { (Actual) } \end{gathered}$ | $\begin{gathered} 6 \\ \text { (Actual) } \end{gathered}$ | $\begin{gathered} 7 \\ \text { (Estimated) } \end{gathered}$ | 8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Step 1a | Step 1b | Step 2 | Step 3 | Step 4a | Step 4b | Step 5 | Total |
| Principal | \$7,360,000 | \$2,255,000 | \$8,015,000 | \$9,660,000 | \$3,465,000 | \$9,860,000 | \$6,580,000 | \$47,195,000 |
| Net Original Issue Premium/(Discount) | \$284,208 | \$95,857 | \$237,985 | \$95,235 |  | $(\$ 43,321)$ |  | \$669,964 |
| New Money Proceeds * |  | \$2,350,857 | - | \$9,755,235 | - | \$9,816,679 | \$6,580,000 | \$28,502,771 |
| Refunding Proceeds* | \$7,644,208 |  | \$8,252,985 | - | \$3,465,000 | - | - | \$19,362,193 |
| Purpose | Restructuring | New Money | Refunding | New Money | Refunding | New Money | New Money |  |
| Assumed PE\% | Existing | 0.00\% | Existing | 0.00\% | Existing | 0.00\% | 0.00\% |  |
| Estimated Refunding Savings | \$385,600 | n/a | \$616,042 | n/a | \$239,606 | n/a | n/a | \$1,241,248 |
| Estimated Timing | December 2014 | December 2014 | March 2015 | December 2015 | June 2016 | December 2016 | November 2017 |  |
| Assumed Interest Rates | Actual | Actual | Actual | Actual | Actual | Actual | Conservative |  |

* Proceeds includes principal amount plus net original issue premium/(discount)
$\left.\begin{array}{|rr}9 \\ \text { Fiscal } \\ \text { Year } \\ \text { Ending }\end{array} \begin{array}{r}\text { Existing } \\ \text { Local } \\ \text { Effort }\end{array}\right\}$





| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | Principal | Coupon | Yield | Interest | Semi-Annual <br> Debt Service | Proposed <br> Fiscal Year Debt Service | Less: <br> State Aid | Proposed <br> Local <br> Effort | Existing <br> Local Effort | Total <br> Local <br> Effort |
| 2/15/2017 |  |  |  | 48,232.58 | 48,232.58 | 48,232.58 | 0.00 | 48,232.58 | 3,302,009.45 | 3,350,242.03 |
| 8/15/2017 |  |  |  | 117,322.50 | 117,322.50 |  |  |  |  |  |
| 2/15/2018 | 5,000 | 1.500 | 1.500 | 117,322.50 | 122,322.50 | 239,645.00 | 0.00 | 239,645.00 | 2,606,691.59 | 2,846,336.59 |
| 8/15/2018 |  |  |  | 117,285.00 | 117,285.00 |  |  |  |  |  |
| 2/15/2019 | 5,000 | 1.500 | 1.500 | 117,285.00 | 122,285.00 | 239,570.00 | 0.00 | 239,570.00 | 2,603,661.95 | 2,843,231.95 |
| 8/15/2019 |  |  |  | 117,247.50 | 117,247.50 |  |  |  |  |  |
| 2/15/2020 | 5,000 | 1.500 | 1.500 | 117,247.50 | 122,247.50 | 239,495.00 | 0.00 | 239,495.00 | 2,591,075.71 | 2,830,570.71 |
| 8/15/2020 |  |  |  | 117,210.00 | 117,210.00 |  |  |  |  |  |
| 2/15/2021 | 5,000 | 1.500 | 1.500 | 117,210.00 | 122,210.00 | 239,420.00 | 0.00 | 239,420.00 | 2,590,950.70 | 2,830,370.70 |
| 8/15/2021 |  |  |  | 117,172.50 | 117,172.50 |  |  |  |  |  |
| 2/15/2022 | 5,000 | 2.000 | 2.000 | 117,172.50 | 122,172.50 | 239,345.00 | 0.00 | 239,345.00 | 2,587,061.02 | 2,826,406.02 |
| 8/15/2022 |  |  |  | 117,122.50 | 117,122.50 |  |  |  |  |  |
| 2/15/2023 | 5,000 | 2.000 | 2.000 | 117,122.50 | 122,122.50 | 239,245.00 | 0.00 | 239,245.00 | 2,589,238.31 | 2,828,483.31 |
| 8/15/2023 |  |  |  | 117,072.50 | 117,072.50 |  |  |  |  |  |
| 2/15/2024 | 5,000 | 2.000 | 2.000 | 117,072.50 | 122,072.50 | 239,145.00 | 0.00 | 239,145.00 | 2,591,927.01 | 2,831,072.01 |
| 8/15/2024 |  |  |  | 117,022.50 | 117,022.50 |  |  |  |  |  |
| 2/15/2025 | 5,000 | 2.000 | 2.000 | 117,022.50 | 122,022.50 | 239,045.00 | 0.00 | 239,045.00 | 2,592,030.01 | 2,831,075.01 |
| 8/15/2025 |  |  |  | 116,972.50 | 116,972.50 |  |  |  |  |  |
| 2/15/2026 | 795,000 | 2.000 | 2.000 | 116,972.50 | 911,972.50 | 1,028,945.00 | 0.00 | 1,028,945.00 | 1,041,825.00 | 2,070,770.00 |
| 8/15/2026 |  |  |  | 109,022.50 | 109,022.50 |  |  |  |  |  |
| 2/15/2027 | 815,000 | 2.000 | 2.150 | 109,022.50 | 924,022.50 | 1,033,045.00 | 0.00 | 1,033,045.00 | 1,039,358.75 | 2,072,403.75 |
| 8/15/2027 |  |  |  | 100,872.50 | 100,872.50 |  |  |  |  |  |
| 2/15/2028 | 830,000 | 2.150 | 2.250 | 100,872.50 | 930,872.50 | 1,031,745.00 | 0.00 | 1,031,745.00 | 1,040,513.75 | 2,072,258.75 |
| 8/15/2028 |  |  |  | 91,950.00 | 91,950.00 |  |  |  |  |  |
| 2/15/2029 | 850,000 | 2.250 | 2.350 | 91,950.00 | 941,950.00 | 1,033,900.00 | 0.00 | 1,033,900.00 | 1,038,550.00 | 2,072,450.00 |
| 8/15/2029 |  |  |  | 82,387.50 | 82,387.50 |  |  |  |  |  |
| 2/15/2030 | 865,000 | 2.400 | 2.500 | 82,387.50 | 947,387.50 | 1,029,775.00 | 0.00 | 1,029,775.00 | 1,038,725.00 | 2,068,500.00 |
| 8/15/2030 |  |  |  | 72,007.50 | 72,007.50 |  |  |  |  |  |
| 2/15/2031 | 885,000 | 2.500 | 2.550 | 72,007.50 | 957,007.50 | 1,029,015.00 | 0.00 | 1,029,015.00 | 1,038,150.00 | 2,067,165.00 |
| 8/15/2031 |  |  |  | 60,945.00 | 60,945.00 |  |  |  |  |  |
| 2/15/2032 | 905,000 | 2.550 | 2.550 | 60,945.00 | 965,945.00 | 1,026,890.00 | 0.00 | 1,026,890.00 | 1,041,750.00 | 2,068,640.00 |
| 8/15/2032 |  |  |  | 49,406.25 | 49,406.25 |  |  |  |  |  |
| 2/15/2033 | 930,000 | 2.550 | 2.550 | 49,406.25 | 979,406.25 | 1,028,812.50 | 0.00 | 1,028,812.50 | 1,038,375.00 | 2,067,187.50 |
| 8/15/2033 |  |  |  | 37,548.75 | 37,548.75 |  |  |  |  |  |
| 2/15/2034 | 960,000 | 2.550 | 2.550 | 37,548.75 | 997,548.75 | 1,035,097.50 | 0.00 | 1,035,097.50 | 1,036,800.00 | 2,071,897.50 |
| 8/15/2034 |  |  |  | 25,308.75 | 25,308.75 |  |  |  |  |  |
| 2/15/2035 | 980,000 | 2.550 | 2.550 | 25,308.75 | 1,005,308.75 | 1,030,617.50 | 0.00 | 1,030,617.50 | 1,037,937.50 | 2,068,555.00 |
| 8/15/2035 |  |  |  | 12,813.75 | 12,813.75 |  |  |  |  |  |
| 2/15/2036 | 1,005,000 | 2.550 | 2.550 | 12,813.75 | 1,017,813.75 | 1,030,627.50 | 0.00 | 1,030,627.50 | 1,037,850.00 | 2,068,477.50 |
| TOTALS | 9,860,000 |  |  | 3,441,612.58 | 13,301,612.58 | 13,301,612.58 | 0.00 | 13,301,612.58 | 35,484,480.74 | 48,786,093.32 |
| PE\%= | 0.00\% | stimated |  |  |  |  |  |  |  |  |
| AR\%= | 10.00\% | 2016-2017) |  |  |  |  |  |  |  |  |

[^2]NEW HOPE-SOLEBURY SCHOOL DISTRICT
SERIES A OF 2016
SOURCES AND USES OF FUNDS


NEW HOPE-SOLEBURY SCHOOL DISTRICT
SUMMARY OF OUTSTANDING INDEBTEDNESS

| Debt Service Requirements |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Fiscal | G.O. Bonds | G.O. Notes | G.O. Bonds | G.O. Bonds | G.O. Bonds | G.O. Bonds | G.O. Bonds | Total |
| Year | Series of | Series A of | Series B of | Series of | Series A of | Series of | Series A of | Debt |
| Ended | 1999 | 2014 | 2014 | 2015 | 2015 | 2016 | 2016 | Service |
| 6/30/2017 | 1,980,000 | 159,875 | 67,650 | 629,650 | 290,993 | 232,185 | 48,233 | 3,408,585 |
| 6/30/2018 |  | 1,159,500 | 67,650 | 690,250 | 295,943 | 454,200 | 239,645 | 2,907,188 |
| 6/30/2019 |  | 656,100 | 230,175 | 1,024,450 | 295,843 | 446,600 | 239,570 | 2,892,738 |
| 6/30/2020 |  | 654,675 | 225,225 | 1,012,900 | 295,743 | 451,875 | 239,495 | 2,879,913 |
| 6/30/2021 |  | 657,725 | 225,200 | 1,011,900 | 295,643 | 449,875 | 239,420 | 2,879,763 |
| 6/30/2022 |  | 660,175 | 220,100 | 1,008,200 | 295,543 | 452,500 | 239,345 | 2,875,863 |
| 6/30/2023 |  | 652,175 | 224,850 | 1,009,200 | 295,443 | 456,850 | 239,245 | 2,877,763 |
| 6/30/2024 |  | 653,725 | 224,375 | 1,009,800 | 295,343 | 458,050 | 239,145 | 2,880,438 |
| 6/30/2025 |  | 654,675 | 1,238,300 |  | 295,239 | 434,300 | 239,045 | 2,861,559 |
| 6/30/2026 |  |  |  |  | 1,041,825 |  | 1,028,945 | 2,070,770 |
| 6/30/2027 |  |  |  |  | 1,039,359 |  | 1,033,045 | 2,072,404 |
| 6/30/2028 |  |  |  |  | 1,040,514 |  | 1,031,745 | 2,072,259 |
| 6/30/2029 |  |  |  |  | 1,038,550 |  | 1,033,900 | 2,072,450 |
| 6/30/2030 |  |  |  |  | 1,038,725 |  | 1,029,775 | 2,068,500 |
| 6/30/2031 |  |  |  |  | 1,038,150 |  | 1,029,015 | 2,067,165 |
| 6/30/2032 |  |  |  |  | 1,041,750 |  | 1,026,890 | 2,068,640 |
| 6/30/2033 |  |  |  |  | 1,038,375 |  | 1,028,813 | 2,067,188 |
| 6/30/2034 |  |  |  |  | 1,036,800 |  | 1,035,098 | 2,071,898 |
| 6/30/2035 |  |  |  |  | 1,037,938 |  | 1,030,618 | 2,068,555 |
| 6/30/2036 |  |  |  |  | 1,037,850 |  | 1,030,628 | 2,068,478 |
| 6/30/2037 |  |  |  |  |  |  |  |  |
| 6/30/2038 |  |  |  |  |  |  |  |  |
| 6/30/2039 |  |  |  |  |  |  |  |  |
| 6/30/2040 |  |  |  |  |  |  |  |  |
| Totals | 1,980,000 | 5,908,625 | 2,723,525 | 7,396,350 | 14,085,564 | 3,836,435 | 13,301,613 | 49,232,111 |
|  |  |  |  |  |  |  |  |  |
| Local Effort Requirements |  |  |  |  |  |  |  |  |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| Fiscal | G.O. Bonds | G.O. Notes | G.O. Bonds | G.O. Bonds | G.O. Bonds | G.O. Bonds | G.O. Bonds | Total |
| Year | Series of | Series A of | Series B of | Series of | Series A of | Series of | Series A of | Local |
| Ended | 1999 | 2014 | 2014 | 2015 | 2015 | 2016 | 2016 | Effort |
| 6/30/2017 | 1,942,934 | 154,374 | 67,650 | 618,127 | 290,993 | 227,931 | 48,233 | 3,350,242 |
| 6/30/2018 |  | 1,119,602 | 67,650 | 677,618 | 295,943 | 445,879 | 239,645 | 2,846,337 |
| 6/30/2019 |  | 633,524 | 230,175 | 1,005,703 | 295,843 | 438,418 | 239,570 | 2,843,232 |
| 6/30/2020 |  | 632,148 | 225,225 | 994,364 | 295,743 | 443,597 | 239,495 | 2,830,571 |
| 6/30/2021 |  | 635,093 | 225,200 | 993,382 | 295,643 | 441,633 | 239,420 | 2,830,371 |
| 6/30/2022 |  | 637,458 | 220,100 | 989,750 | 295,543 | 444,210 | 239,345 | 2,826,406 |
| 6/30/2023 |  | 629,734 | 224,850 | 990,732 | 295,443 | 448,481 | 239,245 | 2,828,483 |
| 6/30/2024 |  | 631,230 | 224,375 | 991,321 | 295,343 | 449,659 | 239,145 | 2,831,072 |
| 6/30/2025 |  | 632,148 | 1,238,300 |  | 295,239 | 426,344 | 239,045 | 2,831,075 |
| 6/30/2026 |  |  |  |  | 1,041,825 |  | 1,028,945 | 2,070,770 |
| 6/30/2027 |  |  |  |  | 1,039,359 |  | 1,033,045 | 2,072,404 |
| 6/30/2028 |  |  |  |  | 1,040,514 |  | 1,031,745 | 2,072,259 |
| 6/30/2029 |  |  |  |  | 1,038,550 |  | 1,033,900 | 2,072,450 |
| 6/30/2030 |  |  |  |  | 1,038,725 |  | 1,029,775 | 2,068,500 |
| 6/30/2031 |  |  |  |  | 1,038,150 |  | 1,029,015 | 2,067,165 |
| 6/30/2032 |  |  |  |  | 1,041,750 |  | 1,026,890 | 2,068,640 |
| 6/30/2033 |  |  |  |  | 1,038,375 |  | 1,028,813 | 2,067,188 |
| 6/30/2034 |  |  |  |  | 1,036,800 |  | 1,035,098 | 2,071,898 |
| 6/30/2035 |  |  |  |  | 1,037,938 |  | 1,030,618 | 2,068,555 |
| 6/30/2036 |  |  |  |  | 1,037,850 |  | 1,030,628 | 2,068,478 |
| $6 / 30 / 2037$ ( 1,030,628 |  |  |  |  |  |  |  |  |
| 6/30/2038 |  |  |  |  |  |  |  |  |
| 6/30/2039 |  |  |  |  |  |  |  |  |
| 6/30/2040 |  |  |  |  |  |  |  |  |
| Totals | 1,942,934 | 5,705,309 | 2,723,525 | 7,260,997 | 14,085,564 | 3,766,152 | 13,301,613 | 48,786,093 |
|  |  |  |  |  |  |  |  |  |
| Principal ${ }^{[1]}$ : | 0 | 5,160,000 | 2,255,000 | 6,640,000 | 9,660,000 | 3,290,000 | 9,860,000 | 36,865,000 |
| PE\%: <br> PE\% Status: <br> AR\% (16-17): <br> Call Date: | , ${ }^{\text {c }}$ | 34.41\% | 0.00\% | 18.30\% | 0.00\% | 18.32\% | 0.00\% |  |
|  | Temp | Perm | Estimated ${ }^{[2]}$ | Perm | Estimated ${ }^{[2]}$ | Estimated | Estimated ${ }^{[2]}$ |  |
|  | 10.00\% | 10.00\% | 10.00\% | 10.00\% | 10.00\% | 10.00\% | 10.00\% |  |
|  | Non Callable | 3/1/2020 | 3/1/2020 | 5/15/2020 | 2/15/2021 | 9/15/2021 | 2/15/2022 |  |
| Purpose: | Partial Adv Ref 1996 | Cur Ref 2009 \& 2009A | New Money | Cur Ref 2010 | New Money | Cur Ref 2011 | New Money |  |
| ${ }^{[1]}$ Outstanding as of October 25, 2016 |  |  |  |  |  |  |  |  |
| ${ }^{[2]}$ For these purposes, assumes no PlanCon reimbursement, however the District may be eligible to receive ongoing PlanCon reimbursement for the Campus Revitalization Plan |  |  |  |  |  |  |  |  |



| 3 |  |
| :---: | :---: |
|  | Year |
| 0 | 2016 |
| 1 | 2017 |
| 2 | 2018 |
| 3 | 2019 |
| 4 | 2020 |
| 5 | 2021 |
| 6 | 2022 |
| 7 | 2023 |
| 8 | 2024 |
| 9 | 2025 |
| 10 | 2026 |
| 11 | 2027 |
| 12 | 2028 |
| 13 | 2029 |
| 14 | 2030 |
| 15 | 2031 |
| 16 | 2032 |
| 17 | 2033 |
| 18 | 2034 |
| 19 | 2035 |
| 20 | 2036 |
| 21 | 2037 |
| 22 | 2038 |
| 23 | 2039 |
| 24 | 2040 |
| 25 | 2041 |
| 26 | 2042 |
| 27 | 2043 |
| 28 | 2044 |
| 29 | 2045 |
| 30 | 2046 |
|  | 2 |



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Maturities that represent $\$ 9,820,000$ or $99.6 \%$ of the total principal amount of NHSD 2016A Bonds

[^3]
[^0]:    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.

[^1]:    Source: Moody's Investors Service

[^2]:    * Optional redemption date of February 15, 2022

[^3]:    ${ }^{T}$ Denotes term bonds
    ${ }^{[1]}$ Spread to February interpolated MMD for 10／24／2016
    ${ }^{[2]}$ Spread to June interpolated MMD for 9／27／2016

