Geneva Community Unit School District 304, Kane County, Illinois<br>Update on Debt Restructuring Options

Milliam Blair

## Outstanding Debt

## Outstanding Debt

| Dated |
| :--- |
| Issue |
| Series |
| Original Par |
| Earliest Call |
| Maturity |


| February 1, 2012 |  |  |  | December 1, 2011 |  |  |  | March 2, 2010 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| G.O. REFUNDING SCHOOL BONDS2012 |  |  |  | G.O. REFUNDING SCHOOL BONDS |  |  |  | G.O. REFUNDING SCHOOL BONDS |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| $\$ 4,165,000.00$ |  |  |  | \$8,755,000.00 |  |  |  | \$2,615,000.00 |  |  |  |
| Non-Callable |  |  |  | Non-Callable January 1, |  |  |  | 1/1/2020 @ 100January 1, |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Amount | Coupon | Interest | Debt Service | Amount | Coupon | Interest | Debt Service | Amount | Coupon | Interest | Debt Service |
|  |  |  |  |  |  |  |  |  |  |  |  |


|  |  | 114,538 | 114,538 |  |  | 342,800 | 342,800 |  |  | 127,458 | 127,458 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 124,950 | 124,950 |  |  | 342,800 | 342,800 | 5,000 | 1.950\% | 127,458 | 132,458 |
|  |  | 124,950 | 124,950 |  |  | 342,800 | 342,800 | 5,000 | 2.300\% | 127,360 | 132,360 |
|  |  | 124,950 | 124,950 |  |  | 342,800 | 342,800 | 10,000 | 2.750\% | 127,245 | 137,245 |
| 1,410,000 | 3.000\% | 124,950 | 1,534,950 |  |  | 342,800 | 342,800 | 10,000 | 3.100\% | 126,970 | 136,970 |
| 2,755,000 | 3.000\% | 82,650 | 2,837,650 | 3,455,000 | 4.000\% | 342,800 | 3,797,800 | 10,000 | 3.350\% | 126,660 | 136,660 |
|  |  |  |  | 5,115,000 | 4.000\% | 204,600 | 5,319,600 | 10,000 | 3.400\% | 126,325 | 136,325 |
|  |  |  |  |  |  |  |  | 10,000 | 3.500\% | 125,985 | 135,985 |
|  |  |  |  |  |  |  |  | 10,000 | 3.600\% | 125,635 | 135,635 |
|  |  |  |  |  |  |  |  | 10,000 | 3.700\% | 125,275 | 135,275 |
|  |  |  |  |  |  |  |  | 10,000 | 3.800\% | 124,905 | 134,905 |
|  |  |  |  |  |  |  |  | 2,525,000 | 3.85\%/5.00\% | 124,525 | 2,649,525 |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |


| $\$ 0$ | $\$ 0$ | $\$ 2,555,000$ |
| :---: | :---: | :---: |
| $\$ 4,165,000$ | $\$ 8,755,000$ | $\$ 60,000$ |
| $\$ 4,165,000$ | $\$ 8,755,000$ | $\$ 2,615,000$ |


| Refunding | Refunding | Refunding |
| :--- | :--- | :--- |
| 2004A Bonds | 2004A Bonds | 2004 Bonds |
|  |  |  |

## Outstanding Debt (continued)

| Dated |
| :--- |
| Issue |
| Series |
| Original Par |
| Earliest Call |
| Maturity |


| January 1, 2008 |  |  |  | July 1, 2007 |  |  |  | July 1, 2007 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| G.O. SCHOOL BONDS2008$\$ 14,585,000.00$$1 / 1 / 2018$ @ 100January 1, |  |  |  | G.O. LIMITED TAX SCHOOL BONDS2007B$\$ 7,550,000.00$$1 / 1 / 2017$ @ 100January 1, |  |  |  | $\begin{gathered} \hline \text { G.O. SCHOOL BONDS } \\ \text { 2007A } \\ \$ 85,820,000.00 \\ 1 / 1 / 2017 @ 100 \\ \text { January } 1, \\ \hline \end{gathered}$ |  |  |  |
| Amount | Coupon | Interest | Debt Service | Amount | Coupon | Interest | Debt Service | Amount | Coupon | Interest | Debt Service |


|  |  | 673,920 | 673,920 | 765,000 4.500\% | 323,168 | 1,088,168 |  |  | 6,229,200 | 6,229,200 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 673,920 | 673,920 | 800,000 4.500\% | 288,743 | 1,088,743 |  |  | 6,229,200 | 6,229,200 |
|  |  | 673,920 | 673,920 | 835,000 4.500\% | 252,743 | 1,087,743 |  |  | 6,229,200 | 6,229,200 |
|  |  | 673,920 | 673,920 | 875,000 4.500\% | 215,168 | 1,090,168 |  |  | 6,229,200 | 6,229,200 |
|  |  | 673,920 | 673,920 | 915,000 4.500\%/5.000\% | 175,793 | 1,090,793 |  |  | 6,229,200 | 6,229,200 |
|  |  | 673,920 | 673,920 | 805,000 4.250\% | 133,018 | 938,018 |  |  | 6,229,200 | 6,229,200 |
|  |  | 673,920 | 673,920 | 840,000 4.500\% | 98,805 | 938,805 |  |  | 6,229,200 | 6,229,200 |
|  |  | 673,920 | 673,920 | 840,000 4.500\%/5.000\% | 61,005 | 901,005 | 2,650,000 | 5.000\% | 6,229,200 | 8,879,200 |
| 600,000 | 4.000\% | 673,920 | 1,273,920 | 500,000 4.450\% | 22,250 | 522,250 | 4,050,000 | 5.000\% | 6,096,700 | 10,146,700 |
| 2,070,000 | 5.000\% | 649,920 | 2,719,920 |  |  |  | 10,595,000 | 9.000\% | 5,894,200 | 16,489,200 |
| 2,175,000 | 5.250\% | 546,420 | 2,721,420 |  |  |  | 11,550,000 | 9.000\% | 4,940,650 | 16,490,650 |
| 2,285,000 | 4.200\% | 432,233 | 2,717,233 |  |  |  | 12,590,000 | 9.000\% | 3,901,150 | 16,491,150 |
| 2,380,000 | 4.250\% | 336,263 | 2,716,263 |  |  |  | 13,720,000 | 9.000\% | 2,768,050 | 16,488,050 |
| 2,485,000 | 4.250\% | 235,113 | 2,720,113 |  |  |  | 14,960,000 | 5.000\% | 1,533,250 | 16,493,250 |
| 2,590,000 | 5.000\% | 129,500 | 2,719,500 |  |  |  | 15,705,000 | 5.000\% | 785,250 | 16,490,250 |

Fiscal Year

| Total |
| :--- |
| Callable <br> Non-Callable <br> Total Outstanding |



## Outstanding Debt (continued)



## Abatement and Refunding Options to Level Debt Payments

## District Strategy to Abate Ed Fund Surplus > \$15M Balance

## Fiscal Year Levy Year

| Actual |  |  |
| ---: | ---: | ---: |
| FY 2011 | FY 2012 | FY 2013 (unaudited) |
|  | Levy 2010 | Levy 2011 |
|  |  |  |
| $\$ 13,221,782$ | $\$ 18,224,829$ | $\$ 20,179,860$ |
| $63,450,794$ | $66,460,883$ | $58,440,420$ |
| $58,480,553$ | $61,312,475$ | $53,344,973$ |
| $4,970,241$ | $5,148,408$ | $5,095,447$ |
| 32,806 | $(3,193,377)$ | $(4,990,000)$ |
| - | 0 | 0 |
| $\$ 18,224,829$ | $\$ 20,179,860$ | $\$ 20,285,307$ |
|  |  |  |
| $\$ 15,000,000$ | $\$ 15,000,000$ | $\$ 15,000,000$ |
| $3,224,829$ | $4,990,000$ | $5,285,307$ |


| Budget |  |  |  |  |
| ---: | ---: | ---: | ---: | ---: |
| FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 |
| Levy 2012 | Levy 2013 | Levy 2014 | Levy 2015 | Levy 2016 |
| $\$ 20,285,307$ | $\$ 16,988,727$ | $\$ 18,453,791$ | $\$ 18,905,925$ | $\$ 19,991,941$ |
| $58,249,098$ | $61,182,473$ | $63,325,958$ | $65,532,742$ | $67,847,418$ |
| $56,260,371$ | $57,728,682$ | $59,420,033$ | $60,540,801$ | $61,611,898$ |
| $1,988,727$ | $3,453,791$ | $3,905,925$ | $4,991,941$ | $6,235,520$ |
| $(5,285,307)$ | $(1,988,727)$ | $(3,453,791)$ | $(3,905,925)$ | $(4,991,941)$ |
|  |  |  |  |  |
| $\$ 16,988,727$ | $\$ 18,453,791$ | $\$ 18,905,925$ | $\$ 19,991,941$ | $\$ 21,235,520$ |
|  |  |  |  |  |
| $\$ 15,000,000$ | $\$ 15,000,000$ | $\$ 15,000,000$ | $\$ 15,000,000$ | $\$ 15,000,001$ |
| $1,988,727$ | $3,453,791$ | $3,905,925$ | $4,991,941$ | $6,235,519$ |

Surplus amounts in the Education Fund are abated in the next fiscal year.
Budget FY13 and Projection expenditure amounts do not include any salary increases for certified staff.
Assumes full Property Tax Limitation Law Levy allowing CPI and new Property is extended annually.

Current Abatement Strategy: When surplus occurs in Education Fund, District abates amounts in excess of \$15M minimum the following Fiscal Year.

## Current Situation - Do Nothing Scenario

| Levy <br> Year | EAV | \% Change | Debt Service Levy | Estimated <br> Tax Rate for Debt | 2011/2012 Levy Abate <br> w/ Ed Fund Surplus <br> FY11 | 2012/2014 Levy Abate w/ Ed Fund Surplus FY12 | Total Abatements |  | New Total Debt Service | Estimated Tax Rate for Debt Service | Annual (Savings)/Cost on \$315k Home |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2010 | 1,409,003,529 | -3.95\% | 14,624,805 | 1.04 |  |  |  |  | 14,624,805 | 1.04 |  |
| 2011 | 1,328,294,553 | -5.73\% | 15,951,903 | 1.20 | $(1,220,895)$ |  | $(1,220,895)$ |  | 14,731,008 | 1.11 | (97) |
| 2012 | 1,285,654,414 | -3.21\% | 17,302,070 | 1.35 | $(2,003,934)$ | $(298,136)$ | $(2,302,070)$ |  | 15,000,000 | 1.17 | (188) |
| 2013 | 1,269,302,947 | -1.27\% | 18,730,973 | 1.48 |  | $(3,230,973)$ | $(3,230,973)$ |  | 15,500,000 | 1.22 | (267) |
| 2014 | 1,281,302,947 | 0.95\% | 20,293,283 | 1.58 |  | $(1,460,891)$ | $(1,460,891)$ |  | 18,832,392 | 1.47 | (120) |
| 2015 | 1,321,929,005 | 3.17\% | 22,013,633 | 1.67 |  |  | - |  | 22,013,633 | 1.67 | - |
| 2016 | 1,381,586,876 | 4.51\% | 23,618,248 | 1.71 |  |  |  |  | 23,618,248 | 1.71 | - |
| 2017 | 1,443,034,482 | 4.45\% | 24,302,850 | 1.68 |  |  |  |  | 24,302,850 | 1.68 | - |
| 2018 | 1,500,755,861 | 4.00\% | 24,590,110 | 1.64 |  |  |  |  | 24,590,110 | 1.64 | - |
| 2019 | 1,560,786,096 | 4.00\% | 24,928,505 | 1.60 |  |  |  |  | 24,928,505 | 1.60 | - |
| 2020 | 1,623,217,540 | 4.00\% | 19,344,395 | 1.19 |  |  |  |  | 19,344,395 | 1.19 | - |
| 2021 | 1,688,146,241 | 4.00\% | 19,346,975 | 1.15 |  |  |  |  | 19,346,975 | 1.15 | - |
| 2022 | 1,755,672,091 | 4.00\% | 21,857,908 | 1.24 |  |  |  |  | 21,857,908 | 1.24 | - |
| 2023 | 1,825,898,974 | 4.00\% | 19,204,313 | 1.05 |  |  |  |  | 19,204,313 | 1.05 | - |
| 2024 | 1,898,934,933 | 4.00\% | 19,213,363 | 1.01 |  |  |  |  | 19,213,363 | 1.01 | - |
| 2025 | 1,974,892,331 | 4.00\% | 19,209,750 | 0.97 |  |  |  |  | 19,209,750 | 0.97 | - |
| 2026 | 2,053,888,024 | 4.00\% |  |  |  |  |  |  | - | - | - |
| 2027 | 2,136,043,545 | 4.00\% |  |  |  |  |  |  | - |  |  |
| 2028 | 2,221,485,287 | 4.00\% |  |  |  |  |  |  | - |  |  |
| 2029 | 2,310,344,698 | 4.00\% |  |  |  |  |  |  | - |  |  |
| 2030 | 2,402,758,486 | 4.00\% |  |  |  |  |  |  | - |  |  |
| 2031 | 2,498,868,826 | 4.00\% |  |  |  |  |  |  | - |  |  |
| Total |  |  | 324,533,080 |  | (3,224,829) | (4,990,000) | (8,214,829) |  | 301,693,446 |  | \$ (672) |

## Abatements FY11-FY13

| Levy <br> Year | EAV | \% Change | Debt Service Levy | Estimated Tax Rate for Debt | 2011/2012 Levy Abate w/ Ed Fund Surplus FY11 | 2012/2014 Levy Abate w/ Ed Fund Surplus FY12 | 2014 Levy Abate w/ Ed Fund Surplus FY13 | Total <br> Abatements | I ¢ ¢ | New Total Debt Service | Estimated Tax Rate for Debt Service | Annual (Savings)/Cost on \$315k Home |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2010 | 1,409,003,529 | -3.95\% | 14,624,805 | 1.04 |  |  |  |  |  | 14,624,805 | 1.04 |  |
| 2011 | 1,328,294,553 | -5.73\% | 15,951,903 | 1.20 | $(1,220,895)$ |  |  | $(1,220,895)$ |  | 14,731,008 | 1.11 | (97) |
| 2012 | 1,285,654,414 | -3.21\% | 17,302,070 | 1.35 | $(2,003,934)$ | $(298,136)$ |  | $(2,302,070)$ |  | 15,000,000 | 1.17 | (188) |
| 2013 | 1,269,302,947 | -1.27\% | 18,730,973 | 1.48 |  | $(3,230,973)$ |  | $(3,230,973)$ |  | 15,500,000 | 1.22 | (267) |
| 2014 | 1,281,302,947 | 0.95\% | 20,293,283 | 1.58 |  | $(1,460,891)$ | $(2,532,392)$ | $(3,993,283)$ |  | 16,300,000 | 1.27 | (327) |
| 2015 | 1,321,929,005 | 3.17\% | 22,013,633 | 1.67 |  |  | $(2,752,915)$ | $(2,752,915)$ |  | 19,260,718 | 1.46 | (219) |
| 2016 | 1,381,586,876 | 4.51\% | 23,618,248 | 1.71 |  |  |  |  |  | 23,618,248 | 1.71 | - |
| 2017 | 1,443,034,482 | 4.45\% | 24,302,850 | 1.68 |  |  |  |  |  | 24,302,850 | 1.68 | - |
| 2018 | 1,500,755,861 | 4.00\% | 24,590,110 | 1.64 |  |  |  |  |  | 24,590,110 | 1.64 | - |
| 2019 | 1,560,786,096 | 4.00\% | 24,928,505 | 1.60 |  |  |  |  |  | 24,928,505 | 1.60 | - |
| 2020 | 1,623,217,540 | 4.00\% | 19,344,395 | 1.19 |  |  |  |  |  | 19,344,395 | 1.19 | - |
| 2021 | 1,688,146,241 | 4.00\% | 19,346,975 | 1.15 |  |  |  |  |  | 19,346,975 | 1.15 | - |
| 2022 | 1,755,672,091 | 4.00\% | 21,857,908 | 1.24 |  |  |  |  |  | 21,857,908 | 1.24 | - |
| 2023 | 1,825,898,974 | 4.00\% | 19,204,313 | 1.05 |  |  |  |  |  | 19,204,313 | 1.05 | - |
| 2024 | 1,898,934,933 | 4.00\% | 19,213,363 | 1.01 |  |  |  |  |  | 19,213,363 | 1.01 | - |
| 2025 | 1,974,892,331 | 4.00\% | 19,209,750 | 0.97 |  |  |  |  |  | 19,209,750 | 0.97 | - |
| 2026 | 2,053,888,024 | 4.00\% |  |  |  |  |  |  |  | - | - | - |
| 2027 | 2,136,043,545 | 4.00\% |  |  |  |  |  |  |  | - |  |  |
| 2028 | 2,221,485,287 | 4.00\% |  |  |  |  |  |  |  | - |  |  |
| 2029 | 2,310,344,698 | 4.00\% |  |  |  |  |  |  |  | - |  |  |
| 2030 | 2,402,758,486 | 4.00\% |  |  |  |  |  |  |  | - |  |  |
| 2031 | 2,498,868,826 | 4.00\% |  |  |  |  |  |  |  | - |  |  |
| Total |  |  | 324,533,080 |  | (3,224,829) | (4,990,000) | $(5,285,307)$ | $(13,500,136)$ |  | 296,408,139 |  | \$ (1,098) |

Current Abatement Strategy: FY11 and FY12 amounts actual. FY13 amount may change depending on actual FY13 surplus. Over 3 years total abatements estimated at $\$ 13,500,136$.

# I: Abatements FY11-FY13 Plus 2015 Refunding to Flatten Debt 

| Levy <br> Year | Debt Service Levy | Estimated Tax Rate for Debt | Total Abatements | Less: 2015 <br> Refunded Debt Service | Plus: 2015 <br> Refunding Debt Service | New Total Debt Service | Estimated Tax <br> Rate for Debt Service | Annual (Savings)/Cost on \$315k Home |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2010 | 14,624,805 | 1.04 |  |  |  | 14,624,805 | 1.04 |  |
| 2011 | 15,951,903 | 1.20 | $(1,220,895)$ |  |  | 14,731,008 | 1.11 | (97) |
| 2012 | 17,302,070 | 1.35 | $(2,302,070)$ |  |  | 15,000,000 | 1.17 | (188) |
| 2013 | 18,730,973 | 1.48 | $(3,230,973)$ |  |  | 15,500,000 | 1.22 | (267) |
| 2014 | 20,293,283 | 1.58 | $(3,993,283)$ |  |  | 16,300,000 | 1.27 | (327) |
| 2015 | 22,013,633 | 1.67 | $(2,752,915)$ | $(4,275,058)$ | 2,261,250 | 17,246,910 | 1.30 | (379) |
| 2016 | 23,618,248 | 1.71 |  | $(7,580,058)$ | 2,261,250 | 18,299,440 | 1.32 | (404) |
| 2017 | 24,302,850 | 1.68 |  | $(7,565,058)$ | 2,261,250 | 18,999,043 | 1.32 | (386) |
| 2018 | 24,590,110 | 1.64 |  | $(7,855,058)$ | 2,261,250 | 18,996,303 | 1.27 | - |
| 2019 | 24,928,505 | 1.60 |  | $(8,196,808)$ | 2,261,250 | 18,992,948 | 1.22 | - |
| 2020 | 19,344,395 | 1.19 |  | $(2,610,558)$ | 2,261,250 | 18,995,088 | 1.17 | (23) |
| 2021 | 19,346,975 | 1.15 |  | $(2,613,558)$ | 2,261,250 | 18,994,668 | 1.13 | (22) |
| 2022 | 21,857,908 | 1.24 |  | $(5,122,483)$ | 2,261,250 | 18,996,675 | 1.08 | (171) |
| 2023 | 19,204,313 | 1.05 |  | $(2,468,013)$ | 2,261,250 | 18,997,550 | 1.04 | (12) |
| 2024 | 19,213,363 | 1.01 |  | $(2,475,000)$ | 2,261,250 | 18,999,613 | 1.00 | (12) |
| 2025 | 19,209,750 | 0.97 |  | $(2,472,750)$ | 2,261,250 | 18,998,250 | 0.96 | (11) |
| 2026 |  |  |  |  | 18,996,250 | 18,996,250 | 0.92 | - |
| 2027 |  |  |  |  | 18,999,500 | 18,999,500 | 0.89 | - |
| 2028 |  |  |  |  | 11,460,750 | 11,460,750 | 0.52 | 542 |
| 2029 |  |  |  |  |  |  |  |  |
| 2030 |  |  |  |  |  |  |  |  |
| 2031 |  |  |  |  |  |  |  |  |
| Total |  |  | $(13,500,136)$ | $(53,234,398)$ | 74,330,250 | 317,503,992 | $\square$ | $(1,757)$ |
|  |  |  | Net Cost |  | 21,095,853 |  |  |  |
|  |  |  | AIC as of Sept 5 |  | 4.61\% |  |  |  |

Does not contemplate surplus budgets FY2014 or thereafter. Levy Year 11- Levy Year 15 abatements estimated at $\$ 13,500,136$. Refunding bonds issued in FY2015 to flatten remaining levy payments.

## I: Abatements FY11-FY13 Plus Refunding to Flatten Debt

## Advantages:

Flattens debt service payments for the life of the bond issue

- Does not rely on abatements of surplus after FY13


## Disadvantages:

Extends debt service for three years after final maturity

- Total net debt service cost from
refunding estimated at $\$ 21,095,853$ and present value cost of $\$ 4,783,423$
- Future interest rate risk


## II: Abatements FY11-FY18 to Flatten Debt

| $\begin{aligned} & \text { Levy } \\ & \text { Year } \end{aligned}$ | Debt Service Levy | Estimated <br> Tax Rate <br> for Debt | $\begin{array}{\|c\|} \hline \text { 2011/2012 Levy Abate } \\ \hline \begin{array}{c} \text { w/ Ed Fund Surplus } \\ \text { FY11 } \end{array} \\ \hline \end{array}$ | 2012/2014 Lew Abate w/ Ed Fund Surplus FY12 | 2014/15 Levy Abate w/ Ed Fund Surplus FY13 | 2015 Levy Abate w/ Ed Fund Surplus FY14 | 2016 Levy Abate w/ Ed Fund Surplus FY15 | 2016 Levy Abate w/ Ed Fund Surplus FY16 | 2017 Levy Abate w/ Ed Fund Surplus FY17 | 2018/19 Levy Abate w/ Ed Fund Surplus FY18 | New Total Debt Service | Estimated Tax Rate for Debt Service | Annual (Savings)/Cost on $\$ 315 \mathrm{k}$ Home |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2010 | 14,624,805 | 1.04 |  |  |  |  |  |  |  |  | 14,624,805 | 1.04 |  |
| 2011 | 15,951,903 | 1.20 | $(1,220,895)$ |  |  |  |  |  |  |  | 14,731,008 | 1.11 | (97) |
| 2012 | 17,302,070 | 1.35 | $(2,003,934)$ | $(298,136)$ |  |  |  |  |  |  | 15,000,000 | 1.17 | (188) |
| 2013 | 18,730,973 | 1.48 |  | $(3,230,973)$ |  |  |  |  |  |  | 15,500,000 | 1.22 | (267) |
| 2014 | 20,293,283 | 1.58 |  | $(1,460,891)$ | (2,532,392) |  |  |  |  |  | 16,300,000 | 1.27 | (327) |
| 2015 | 22,013,633 | 1.67 |  |  | $(2,752,915)$ | $(1,988,727)$ |  |  |  |  | 17,271,991 | 1.31 | (377) |
| 2016 | 23,618,248 | 1.71 |  |  |  |  | $(3,453,791)$ | $(1,916,445)$ |  |  | 18,248,012 | 1.32 | (408) |
| 2017 | 24,302,850 | 1.68 |  |  |  |  |  |  | $(4,991,941)$ |  | 19,310,909 | 1.34 | (363) |
| 2018 | 24,590,110 | 1.64 |  |  |  |  |  |  |  | $(5,235,519)$ | 19,354,591 | 1.29 | (335) |
| 2019 | 24,928,505 | 1.60 |  |  |  |  |  |  |  | $(1,000,000)$ | 23,928,505 | 1.53 | (62) |
| 2020 | 19,344,395 | 1.19 |  |  |  |  |  |  |  |  | 19,344,395 | 1.19 | - |
| 2021 | 19,346,975 | 1.15 |  |  |  |  |  |  |  |  | 19,346,975 | 1.15 | - |
| 2022 | 21,857,908 | 1.24 |  |  |  |  |  |  |  |  | 21,857,908 | 1.24 | - |
| 2023 | 19,204,313 | 1.05 |  |  |  |  |  |  |  |  | 19,204,313 | 1.05 | - |
| 2024 | 19,213,363 | 1.01 |  |  |  |  |  |  |  |  | 19,213,363 | 1.01 | - |
| 2025 | 19,209,750 | 0.97 |  |  |  |  |  |  |  |  | 19,209,750 | 0.97 | - |
| 2026 |  |  |  |  |  |  |  |  |  |  | - | . | - |
| 2027 |  |  |  |  |  |  |  |  |  |  | - |  |  |
| 2028 |  |  |  |  |  |  |  |  |  |  | - |  |  |
| 2029 |  |  |  |  |  |  |  |  |  |  | - |  |  |
| 2030 |  |  |  |  |  |  |  |  |  |  | - |  |  |
| 2031 |  |  |  |  |  |  |  |  |  |  | - |  |  |
| Total |  |  | $(3,224,829)$ | (4,990,000) | $(5,285,307)$ | $(1,988,727)$ | (3,453,791) | $(3,905,925)$ | (4,991,941) | (6,235,519) | 277,821,716 |  | \$ $\quad(2,423)$ |
|  |  |  |  |  |  |  |  |  | Total Abatements | $(34,076,039)$ |  |  |  |

Uses estimated surplus budgets FY2011-FY2018 for abatements through levy year 2019. Total abatements estimated at \$34,076,039.

## II: Abatements FY11-FY18

Advantages:
Flattens debt service payments for the life of the bond issue through levy year 2018 without the cost of refunding bonds

Depending on economy and future tax base growth may not need future refunding issues

Disadvantages:

- Not clear budget surpluses will continue in the projection years
- Relies on operating tax levy funds to reduce debt service.


# III: Abatements FY11-FY18 Plus Refunding to Flatten Debt 

| $\begin{aligned} & \text { Levy } \\ & \text { Year } \end{aligned}$ | $\begin{gathered} \text { Debt Service } \\ \text { Levy } \\ \hline \end{gathered}$ | Estimated Tax Rate for Debt | $\begin{gathered} \hline \text { Abate } \\ \hline \text { w/ Surplus } \\ \text { FY11 } \end{gathered}$ | $\begin{gathered} \hline \text { Abate } \\ \hline \text { w/ Surplus } \\ \text { FY12 } \end{gathered}$ | $\begin{gathered} \hline \text { Abate } \\ \hline \mathrm{w} / \text { Surplus } \\ \text { FY13 } \end{gathered}$ | $\begin{gathered} \hline \text { Abate } \\ \hline \text { w/ Surplus } \\ \text { FY14 } \end{gathered}$ | $\begin{gathered} \hline \text { Abate } \\ \hline \text { w/ Surplus } \\ \text { FY15 } \end{gathered}$ | $\begin{gathered} \text { Abate } \\ \hline \text { w/ Surplus } \\ \text { FY16 } \\ \hline \end{gathered}$ |  | $\begin{gathered} \hline \text { Abate } \\ \hline \text { w/ Surplus } \\ \text { FY18 } \end{gathered}$ | Less: 2019 <br> Refunded <br> Debt Service | Plus: 2019 <br> Refunding <br> Debt Service | New Total Debt Service | Estimated Tax <br> Rate for Debt <br> Service | Annual (Savings)/Cost on \$315k Home |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2010 | 14,624,805 | 1.04 |  |  |  |  |  |  |  |  |  |  | 14,624,805 | 1.04 |  |
| 2011 | 15,951,903 | 1.20 | $(1,220,895)$ |  |  |  |  |  |  |  |  |  | 14,731,008 | 1.11 | (97) |
| 2012 | 17,302,070 | 1.35 | $(2,003,934)$ | $(298,136)$ |  |  |  |  |  |  |  |  | 15,000,000 | 1.17 | (188) |
| 2013 | 18,730,973 | 1.48 |  | $(3,230,973)$ |  |  |  |  |  |  |  |  | 15,500,000 | 1.22 | (267) |
| 2014 | 20,293,283 | 1.58 |  | $(1,460,891)$ | $(2,532,392)$ |  |  |  |  |  |  |  | 16,300,000 | 1.27 | (327) |
| 2015 | 22,013,633 | 1.67 |  |  | $(2,722,915)$ | $(1,988,727)$ |  |  |  |  |  |  | 17,271,991 | 1.31 | (377) |
| 2016 | 23,618,248 | 1.71 |  |  |  |  | $(3,453,791)$ | $(1,916,445)$ |  |  |  |  | 18,248,012 | 1.32 | (408) |
| 2017 | 24,302,850 | 1.68 |  |  |  |  |  |  | $(4,991,941)$ |  |  |  | 19,310,909 | 1.34 | (363) |
| 2018 | 24,590,110 | 1.64 |  |  |  |  |  |  |  | $(5,235,519)$ |  |  | 19,354,591 | 1.29 | (335) |
| 2019 | 24,928,505 | 1.60 |  |  |  |  |  |  |  | $(1,000,000)$ | $(5,455,023)$ | 524,750 | 18,998,233 | 1.22 | (365) |
| 2020 | 19,344,395 | 1.19 |  |  |  |  |  |  |  |  | $(873,773)$ | 524,750 | 18,995,373 | 1.17 | (21) |
| 2021 | 19,346,975 | 1.15 |  |  |  |  |  |  |  |  | $(882,023)$ | 524,750 | 18,989,703 | 1.12 | (20) |
| 2022 | 21,857,908 | 1.24 |  |  |  |  |  |  |  |  | $(3,382,098)$ | 524,750 | 19,000,560 | 1.08 | (156) |
| 2023 | 19,204,313 | 1.05 |  |  |  |  |  |  |  |  | $(730,738)$ | 524,750 | 18,998,325 | 1.04 | (11) |
| 2024 | 19,213,363 | 1.01 |  |  |  |  |  |  |  |  | (743,750) | 524,750 | 18,994,363 | 1.00 | (11) |
| 2025 | 19,209,750 | 0.97 |  |  |  |  |  |  |  |  | $(735,000)$ | 524,750 | 18,999,500 | 0.96 | (10) |
| 2026 |  |  |  |  |  |  |  |  |  |  |  | 11,019,750 | 11,019,750 | 0.54 | 515 |
| 2027 |  |  |  |  |  |  |  |  |  |  |  |  | - | - | - |
| 2028 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2029 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2030 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2031 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  | $(3,224,829)$ | $(4,990,000)^{\prime}$ | $(5,285,307)$ | $(1,988,727)$ | $(3,453,791)$ | $(3,905,925)$ | $(4,991,941)$ | $(6,235,519)$ | (12,802,403) | 14,693,000 | 279,712,314 |  | \$ $\quad(2,441)$ |
|  |  |  |  |  |  |  |  |  | Total Abatements | $(34,076,039)$ | Net Cost | 1,890,598 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | AIC as of Sept 5 | 3.62\% |  |  |  |

Levy Year 11- Levy Year 18 abatements estimated at $\$ 34,076,039$ Refunding bonds issued in 2019 to flatten remaining levy payments.

## III: Abatements FY11-FY17 Plus Refunding to Flatten Debt

## Advantages:

Flattens debt service payments for the life of the bond issue through levy year 2018 without the cost of refunding bonds

- Uses refunding debt structure in 2019 to flatten remaining debt payments
- Lowest cost of refunding \$1,890,598 and present value savings of $\$ 16,304$ at current interest rates.
-Depending on economy and future tax base growth may not need future refunding issues

Disadvantages:

- Not clear budget surpluses will continue in the projection years
- Relies on operating tax levy funds to reduce debt service.

Future interest rate risk

## Option IV:

- Using cash to defease bonds is also possible. The next option shows using the 2.6 M surplus in FY2014 for defeasing or paying off bonds that are callable in the future.
- The District's next call date is January 1, 2017. The cash will be invested in treasury securities to the call date and pay down bonds with the highest interest cost (the longest).
- Alternatively, if the District determines to proceed with a refunding bond issue for restructuring, the cash that would have been used for abatement may be used in the escrow to reduce the cost of the refunding bonds.


## IV: Defeasance of Long Bonds Using \$2.6M

| Levy <br> Year | Debt Service Levy | Estimated <br> Tax Rate for Debt | 2011/2012 Levy Abate w/ Ed Fund Surplus FY11 | 2012/2014 Levy Abate w/ Ed Fund Surplus FY12 | 2014/2015 Levy Abate <br> w/ Ed Fund Surplus FY13 | Less: <br> Defeased Debt Service | New Total <br> Debt Service | Estimated Tax <br> Rate for Debt Service |  | ual <br> )/Cost <br> Home |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2010 | 14,624,805 | 1.04 |  |  |  |  | 14,624,805 | 1.04 |  |  |
| 2011 | 15,951,903 | 1.20 | $(1,220,895)$ |  |  |  | 14,731,008 | 1.11 |  | (97) |
| 2012 | 17,302,070 | 1.35 | $(2,003,934)$ | $(298,136)$ |  |  | 15,000,000 | 1.17 |  | (188) |
| 2013 | 18,730,973 | 1.48 |  | $(3,230,973)$ |  |  | 15,500,000 | 1.22 |  | (267) |
| 2014 | 20,293,283 | 1.58 |  | $(1,460,891)$ | $(2,532,392)$ |  | 16,300,000 | 1.27 |  | (327) |
| 2015 | 22,013,633 | 1.67 |  |  | $(2,752,915)$ | $(123,750)$ | 19,136,968 | 1.45 |  | (228) |
| 2016 | 23,618,248 | 1.71 |  |  |  | $(123,750)$ | 23,494,498 | 1.70 |  | (9) |
| 2017 | 24,302,850 | 1.68 |  |  |  | $(123,750)$ | 24,179,100 | 1.68 |  | (9) |
| 2018 | 24,590,110 | 1.64 |  |  |  | $(123,750)$ | 24,466,360 | 1.63 |  | - |
| 2019 | 24,928,505 | 1.60 |  |  |  | $(123,750)$ | 24,804,755 | 1.59 |  | - |
| 2020 | 19,344,395 | 1.19 |  |  |  | $(123,750)$ | 19,220,645 | 1.18 |  | (8) |
| 2021 | 19,346,975 | 1.15 |  |  |  | $(123,750)$ | 19,223,225 | 1.14 |  | (8) |
| 2022 | 21,857,908 | 1.24 |  |  |  | $(123,750)$ | 21,734,158 | 1.24 |  | (7) |
| 2023 | 19,204,313 | 1.05 |  |  |  | $(123,750)$ | 19,080,563 | 1.04 |  | (7) |
| 2024 | 19,213,363 | 1.01 |  |  |  | $(123,750)$ | 19,089,613 | 1.01 |  | (7) |
| 2025 | 19,209,750 | 0.97 |  |  |  | $(2,598,750)$ | 16,611,000 | 0.84 |  | (138) |
| 2026 |  |  |  |  |  |  |  |  |  |  |
| 2027 |  |  |  |  |  |  |  |  |  |  |
| 2028 |  |  |  |  |  |  |  |  |  |  |
| 2029 |  |  |  |  |  |  |  |  |  |  |
| 2030 |  |  |  |  |  |  |  |  |  |  |
| 2031 |  |  |  |  |  |  |  |  |  |  |
| Total |  |  | $(3,224,829)$ | $(4,990,000)$ | $(5,285,307)$ | $(3,836,250)$ | 292,571,889 |  | \$ | $(1,301)$ |

## IV: Defeasance of Long Bonds Using \$2.6M

Advantages:
Unlike abatements, defeasance reduces interest cost over time by calling in longer term bonds

Disadvantages:

- Affects taxpayers at the end of the debt service schedule more than in the years where taxes increase the most
- Negative arbitrage reduces the effectiveness of defeasance because short term interest earnings are so low


## Market Update

## Historical AAA MMD Interest Rates

AAA Municipal Market Data ("MMD") During the Past Five Years


Note: Reflects market conditions as of August 29, 2013
Source: Thomson Financial

## Municipal Yield Curve Comparison

AAA MMD Curves During the Past Seven Years


[^0]
## William Blair

## Municipal G.O. Interest Rates at Historical Lows

## Historical BBI-20 Index ${ }^{1}$



Percentage of Time BBI-20 Has Been At or Below Specified Level Since 1980

(-)
(1) Reflects market conditions as of August 29, 2013, The 20-year Bond-Buyer Index (BBI-20) is based on the average yields of 20-year bonds issued by 20 different general obligation bond issuers; these issuers are all rated Aa2 by Moody's
Source: Bloomberg Information Systems

## William Blair

## AAA-MMD Interest Rates Since May 1, 2013

MMD-AAA Rates Since May 1, 2013


## Refunding for Savings Options: Series 2007A

## Opportunity to Refund the Series 2007A Bonds for Savings

- Given recent market movement, advanced refunding of the Series 2007A Bonds is not creating savings.
- Waiting until the call date does generate substantial savings at today's interest rates, even though they have increased since 2012.


# Option I: Non-BQ Refunding of Series 2007A Callable Bonds - US Treasury Securities Escrow 


> - Savings Negative given increased interest rates and negative arbitrage.

## Option II: Non-BQ Current Refunding of Series 2007A Callable Bonds December 2016

| Community Unit School District 304, Kane County, IL |
| :---: | :---: | :---: | :---: |
| Proposed Refunding of Series 2007A Bonds, Jan |
| 2017 Current Refunding of 2007A Bonds |

- Present value savings large at 8.4\%
- NO Negative arbitrage because current refunding
- Future interest rate risk


## Notice and Disclaimer

The accompanying information was obtained from sources which William Blair \& Company, L.L.C. believes to be reliable but does not guarantee its accuracy and completeness.

The material has been prepared solely for informational purposes and is not a solicitation of an offer to buy or sell any security or instrument or to participate in any trading strategy.

Historical data is not an indication of future results.
The opinions expressed are our own unless otherwise stated.
Per Rule G-23 we are providing the information contained in this proposal for discussion purposes in anticipation of serving as an underwriter. In our capacity as underwriter, our primary role will be to purchase the Bonds as a principal in a commercial, arms' length transaction and we will have financial and other interests that differ from yours. We will not be acting as a municipal advisor, financial advisor or fiduciary.


[^0]:    Source: Thomson Financial

