Gateway School District General Fund Budget

Proposed Final Budget Information for the 2021-2022 Fiscal Year

As of May 4, 2021

COVID-19 PANDEMIC

The Proposed Final General Fund Budget presentation (as depicted) for the 2021-2022 fiscal year is still subject to change due to the unknown and the impossibility to quantify certain negative effects of the COVID-19 Pandemic on some current year (2020-2021) and future year (2021-2022) revenues (Mercantile & Earned Income Taxes in particular).

Four Significant Issues for 2021-2022

- 1. Increase in Debt Service expenditures for the new bond debt (to be issued) to pay for the Gateway Middle School Renovation Project & several other capital repair & improvement projects.
- 2. Increase in Charter school (brick and mortar & cyber) student tuition expenditures.
- > 3. Still unknown (decrease) in current year Mercantile Tax & Earned Income Tax revenues due to **COVID-19**.
- > 4. Unknown Net (Decrease) in Real Estate Assessed Value of the Monroeville Mall currently under appeal (#1 Real Estate Assessed and Taxed Property).

INCREASE in Total Real Estate Assessed Value for 2021-2022

- 4/16/21 Total Assessed Value \$2,386,858,980
- 5/29/20 Total Assessed Value \$2,379,201,718
- Increase \$ 7,657,262
- From 5/29/20 to 4/16/21, the Total Real Estate Assessed Value of the District Increased by \$7,657,262 or 0.32%.
- A GAIN in gross revenue of \$154,413 from the 2020-2021 General Fund Budget (at the 2020-2021 millage rate of 20.1655 mills).
- *One successful commercial assessment appeal could eliminate this gain.*

Initial Net (Deficit) of ONLY these TWO Items for 2021-2022

- > 1. Debt Service Exp. Increase (No PDE Reimb.) (\$1,114,258)
- > 2. Charter School Tuition Exp. Increase (\$ 500,000)
- Total of Two New Expenditure Items (\$1,614,258)
- > Add: Net Revenue from a Tax Increase \$1,672,499
- Additional 21-22 Net Tax Increase Rev Available \$ 58,241
- NOTE: The above analysis DOES NOT take into account ANY other expenditure & revenue increases or (decreases) for 2021-2022.

Summary of Proposed Final Total Revenues for 2021-2022

- Projected Proposed Final Total Revenues for 2021-2022 of \$86,416,000.
- Increase of \$10,556,000 or 13.92% over the fiscal year 2020-2021 budgeted Total Revenues.
- (NOTE: The Revenues "INCLUDE" a real estate tax increase "REQUIRED" for 2021-2022 and \$400,000 in Unassigned Fund Balance.)

Summary of Proposed Final Total Expenditures for 2021-2022

Projected Proposed Final Total Expenditures for 2021-2022 of \$87,694,000.

Increase of \$11,834,000 or 15.60% over the fiscal year 2020-2021 budgeted Total Expenditures.

Net Proposed Final Budgetary (Shortfall) or (Deficit) for 2021-2022

- Increase in Revenues of \$10,556,000 +
- Increase in Expenditures of \$11,834,000 =
- Net Proposed Final Remaining Budget (Shortfall) or (Deficit) for 2021-2022 of (\$1,278,000).
- ► NOTE: AFTER the utilization of a "REQUIRED" tax increase and \$400,000 in Unassigned Fund Balance. Total = (\$1,678,000)

Continued Work for 2021-2022

- District staffing remains to be reviewed and adjusted which currently comprises
 62% of the total Proposed Final General Fund Budget for the 2021-2022 fiscal year.
- Central Administration is continuing to review all proposed expenditures and revenues for applicable adjustments to reduce the remaining Budget deficit.

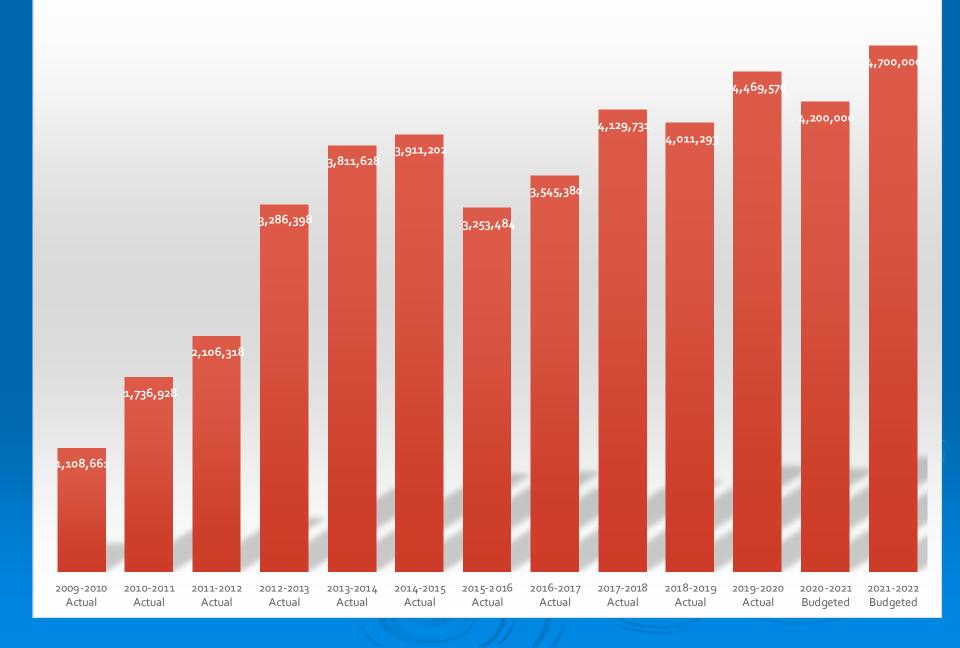
Proposed Cyber Charter School Tuition Legislative Reform for 2021-2022

- Cyber school tuition rates are again being discussed in Harrisburg with a myriad of other potential changes. (Not very optimistic!)
- Historically, NO significant changes have ever been implemented by the State Legislature which have provided a positive financial impact on school district budgets.
- Great potential savings for the District if several options would actually be implemented by the State Legislature!

Potential Savings from Charter & Cyber Charter School Reform for 2021-2022

- The specification of set tuition rate amounts for both regular education & special education cyber charter school students would equate to significant savings.
- "Cyber" charter schools incur less expenditures than "brick and mortar" charter schools. Thus, the cyber charter schools should not receive the same tuition payments as brick and mortar charter schools.
- Simply mandating that PDE update the estimated charter and cyber charter school tuition rates initially calculated with budgeted and estimated numbers by all school districts with actual school district financial and student attendance data may save some school districts money.

Charter & Cyber Charter School Expenditures



State Subsidies Proposed for 2021-2022

- BEF = Basic Education Funding.
- > **SEF** = Special Education Funding.

- > BEF proposed to increase by \$1.3 billion.
- SEF proposed to increase by \$200 million.

NOTE: BEF & SEF individual school district amounts released for 2021-2022 will change once PDE updates each of the subsidy formulas with the actual 2020-2021 fiscal year data. This is a typical occurrence.

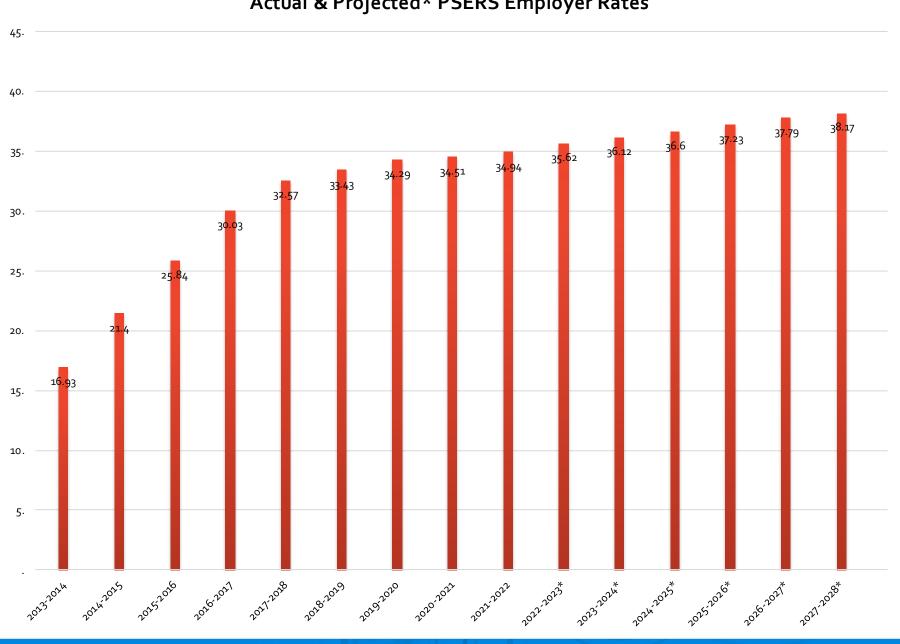
Inclusion of 0% of Proposed State Budget Increases for 2021-2022

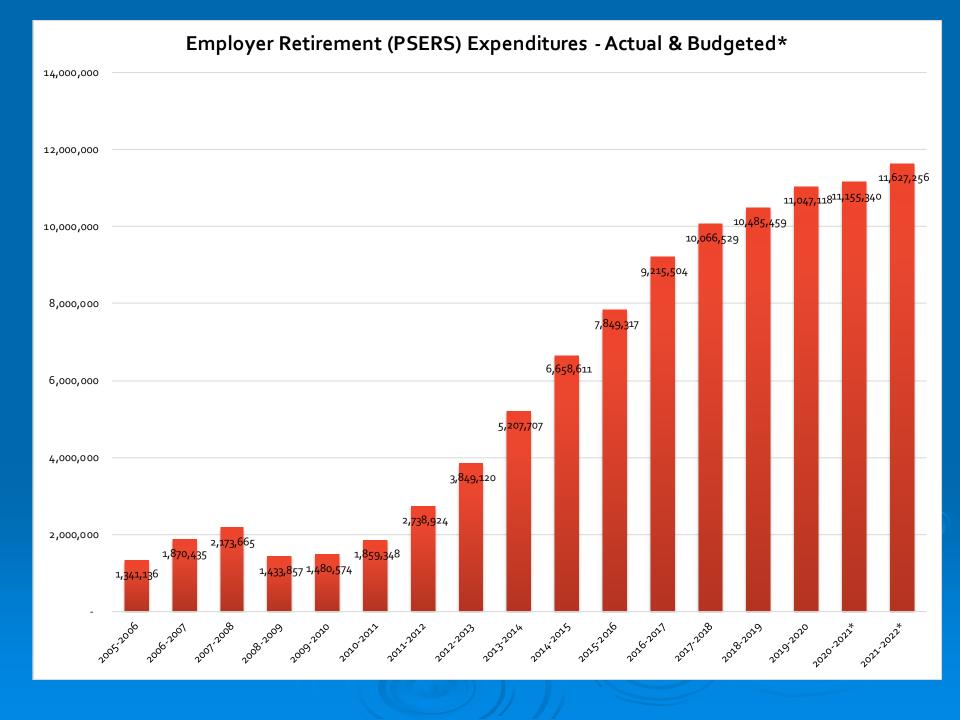
- Proposed Total Increase of \$307,085 in Basic Education Subsidy.
- Proposed Total Increase of \$430,424 in Special Education Subsidy.
- ➤ District will include $\underline{0\%}$ (100% = \$737,509) of the above two proposed increases in the 2021-2022 Budget.
- NOTE: IF including 100% and the above two increases are not received from the State, the amounts would be taken from the Unassigned Fund Balance. *Expected to be level funded by the State.*

PA Pension Reform Changes for 2021-2022

- Act 5 of 2017 began on 7/1/19; however, still no immediate relief to decrease the school district required employer contribution rate.
- Thus, **NO** expected reduction in the projected 2021-2022 fiscal year employer contribution rate of **34.94%**.
- Increase of 0.43% (from 34.51% to 34.94%) in required employer retirement benefit expenditures to PSERS prior to the 50% State reimbursement.
- A continued low percentage increase for the fiscal year!







Composition of Major Revenue Categories for 2021-2022

- Local 63% of the Proposed Final 21-22 Budget.
- State 24% of the Proposed Final 21-22 Budget.
- Federal 13% of the Proposed Final 21-22 Budget.
- NOTE: Significant Increase in Federal Funds for the 21-22 and 22-23 fiscal years due to the receipt of Federal ESSER II & ESSER III funds due to the COVID-19 Pandemic.



Major Types of Local Revenue Categories for 2021-2022

- Current Real Estate Tax (Largest).
- > Current Earned Income Tax.
- > Current Mercantile Tax.
- Delinquent Real Estate Tax.
- Deed Transfer Tax.
- Delinquent Earned Income Tax.
- > Current Local Services Tax.
- Refunds of Prior Year Expenditures.

Major Types of State Revenue Categories for 2021-2022

- Basic Education Subsidy (Largest).
- Retirement Reimbursement Subsidy 50%.
- Special Education Subsidy.
- Property Tax Reduction Allocation.
- > SS & FICA Reimbursement Subsidy 50%.
- > Transportation Reimbursement Subsidy.
- Debt Service Reimbursement Subsidy.
- Ready to Learn Block Grant.

Major Types of Federal Revenue Categories for 2021-2022

- > ESSER III Funds (Largest) Passed Through the PDE.
- ESSER II Funds Passed Through the PDE.
- > Title I Funds Passed Through the PDE.
- > IDEA Funds Passed Through the AIU#3.
- ACCESS Funds Passed Through the PDE.
- Title II Funds Passed Through the PDE.
- ACCESS Funds Passed Through the AIU#3.
- Title IV Funds Passed Through the PDE.
- > Title III Funds Passed Through the AIU#3.

ESSER III & ESSER III FEDERAL FUNDS

- > One-time federal COVID-19 Pandemic funds.
- Should not and <u>WILL NOT</u> be utilized for any type of <u>reoccurring</u> fiscal year to fiscal year type of expenditure such as employee salaries.
- ➤ To be utilized for **ONLY** non-reoccurring or very <u>infrequently</u> occurring types of expenditures such as capital improvements to school buildings or new curriculum.

ESSER II FEDERAL FUNDS

- District Allocation: \$2,948,213
- One of Several Available Utilizations Selected:
 - "Inspection, testing, maintenance, repair, replacement, and upgrade projects to improve the indoor air quality in school facilities, including mechanical and non-mechanical heating, ventilation, and air conditioning systems, filtering, purification and other air cleaning, fans, control systems, and window and door repair and replacement."

ESSER III FEDERAL FUNDS

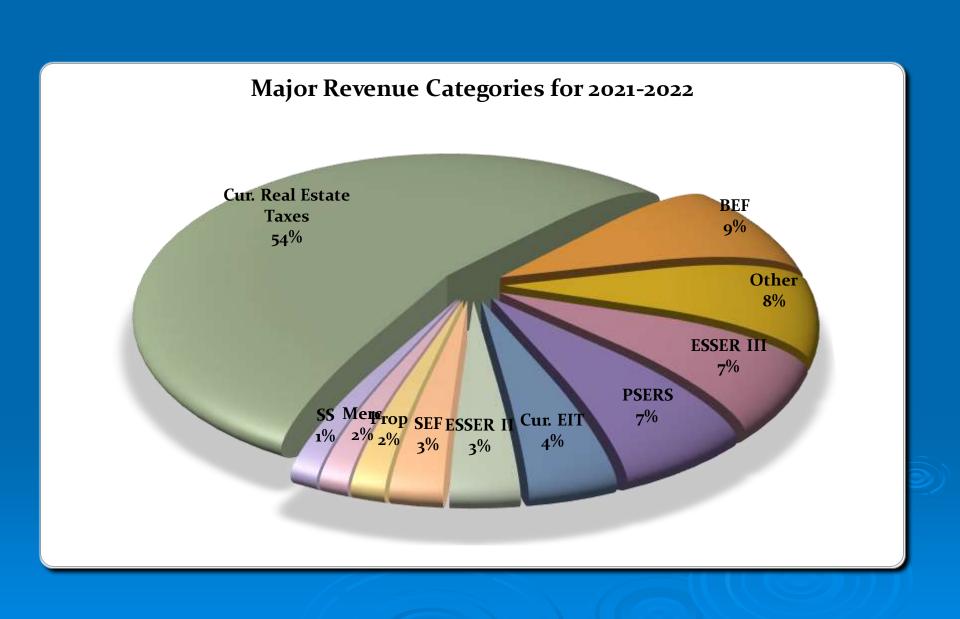
- District Allocation: \$5,967,682
- ➤ 20% reservation of the above amount or \$1,193,536 to be used specifically to address "Learning Loss."
- Balance or 80% of the above amount or \$4,774,146 available for similar types of expenditures as ESSER II Federal Funds.

Proposed ESSER Utilizations

AVAILABLE NET ESSER FUNDS AFTER THE 20% LOSS OF LEARNING DEDUCTED FROM THE TOTAL OF ESSER II AND ESSER III FUNDS	\$ 7,722,359.00
GATEWAY MIDDLE SCHOOL ASBESTOS ABATEMENT	\$ (294,700.00)
GATEWAY MIDDLE SCHOOL WINDOWS AND DOORS	\$ (1,626,110.00)
GATEWAY MIDDLE SCHOOL HVAC - PARTIAL	\$ (1,000,000.00)
UP AND EVERGREEN HVAC PROJECTS	\$ (4,000,000.00)
NEW TECHNOLOGY EQUIPMENT	\$ (378,000.00)
NEW CURRICULUM	\$ (423,549.00)
REMAINING BALANCE OF ESSER FUNDS AFTER UTILIZATIONS - PROPOSED	\$ -

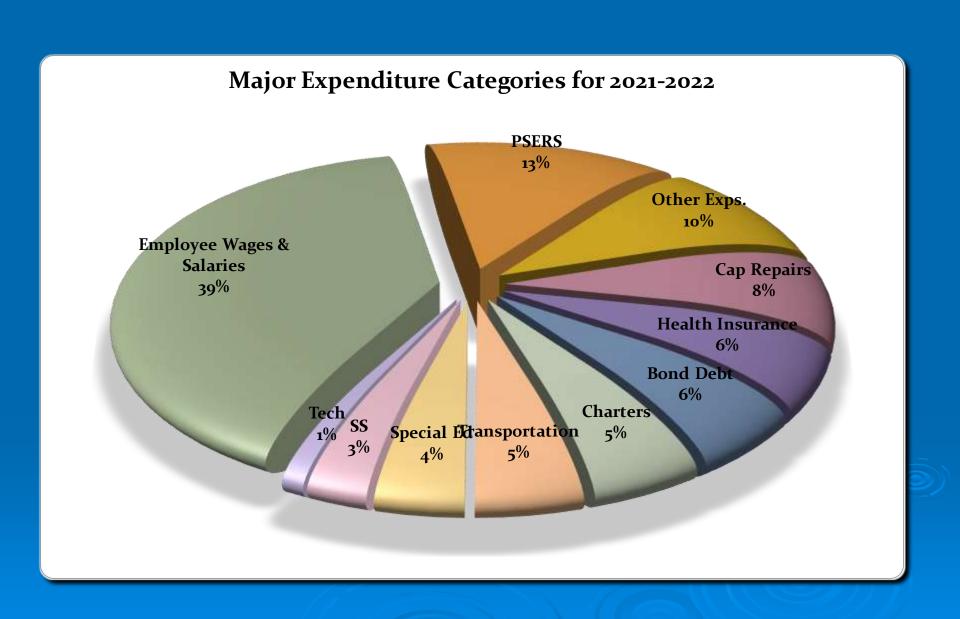
Top Ten 2021-2022 Revenues

- > 1. Current Real Estate Taxes \$46,674,208
- > 2. Basic Education Subsidy \$7,945,609
- > 3. ESSER III Federal Funding \$5,967,682
- > 4. Retirement Reimburse. Subsidy \$5,826,782
- > 5. Current Earned Income Taxes \$3,812,000
- > 6. ESSER II Federal Funding \$2,948,213
- > 7. Special Education Subsidy \$2,258,509
- > 8. State Property Tax Reduction \$1,459,344
- > 9. Mercantile Taxes \$1,269,750
- > 10. SS & FICA Reimburse. Subsidy \$1,223,656



Top Ten 2021-2022 Expenditures

- > 1. Employee Wages & Salaries \$34,070,000
- > 2. Retirement Expenditures \$11,653,563 Gross
- > 3. Capital Repair & Improvement Projects \$6,920,810
- > 4. Health Insurance Expenditures \$5,164,412
- > 5. Bond Debt Service Expenditures \$5,032,507
- > 6. Charter & Cyber School Expenditures \$4,700,000
- > 7. Transportation Expenditures \$4,447,000
- > 8. Special Education Expenditures \$3,676,000
- > 9. SS & FICA Expenditures \$2,551,510 Gross
- > 10. Technology Expenditures (Purchases) \$970,000



Proposed Final Total Personnel Expenditures for 2021-2022

- Proposed Final Personnel Wage & Salary Expenditures = 39% of the Budget.
- Proposed Final Personnel Benefits Expenditures = 23% of the Budget.
- Proposed Final Total Gross Personnel Expenditures = 62% of the Total 2021-2022 Budget.

Proposed Final Expenditure Adjustments for 2021-2022

- Adjustments to various expenditures will continue to be incorporated into the Budget as new and updated information becomes known and applied by the District to the projected expenditures.
- Hopefully more reductions than increases will continue to occur to the Proposed Final expenditures as the Budget is completed for the 2021-2022 fiscal year.
- NOTE: Staffing still needs to be finalized for the 2021-2022 fiscal year which may have an impact on Proposed Final 2021-2022 fiscal year Budget expenditures.

Proposed Final Revenue Adjustments for 2021-2022

- Adjustments to various revenue sources will continue to be incorporated into the Budget as new information becomes known and applied by the District to the projected revenues.
- Hopefully more increases than reductions will continue to occur to the Proposed Final revenues as the Budget is completed for the 2021-2022 fiscal year.

What is Millage?

- Millage is a tax rate applied to a real estate property's assessed valuation for the purpose of revenue generation by a <u>taxing body</u> such as the District.
- Each mill represents \$1 of tax assessment per \$1,000 of assessed property value.
- A mill is derived from the root word mill, which means "thousand."
- Thus, one mill is one part per thousand or 0.1% which can also be expressed as .001 for calculation purposes.

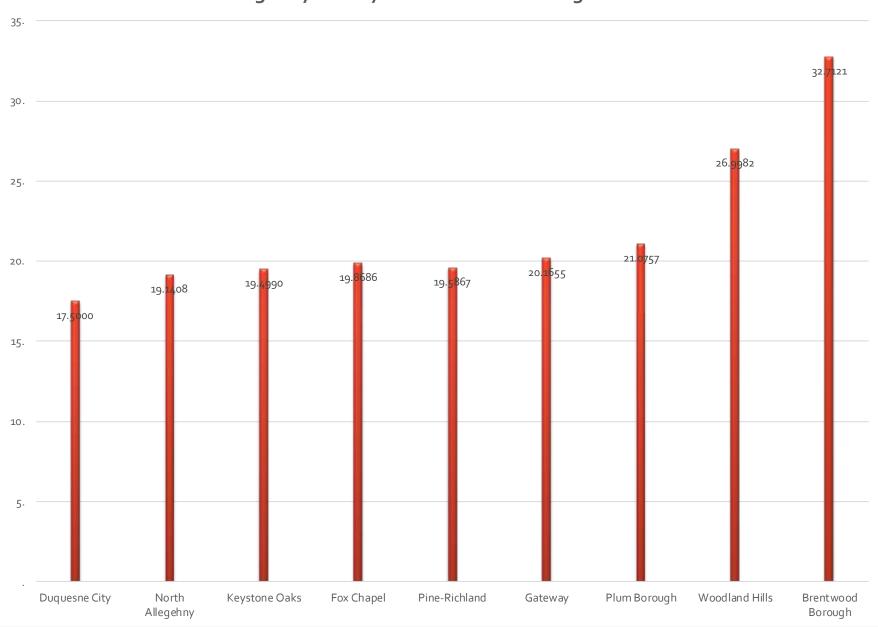
Gateway School District Real Estate Tax 2020-2021 Millage Rate

- At <u>20.1655 Mills</u> in 2020-2021, GSD has the <u>13th Lowest Millage Rate</u> out of 42 school districts in Allegheny County.
- Duquesne City School District <u>Lowest</u> in Allegheny County at <u>17.5000 Mills</u>.
- Brentwood Borough School District <u>Highest</u> in Allegheny County at <u>32.7121 Mills</u>.
- NOTE: These millage rate rankings will probably change for the 2021-2022 fiscal year due to upcoming Allegheny County school district millage rate increases.

Neighboring Allegheny County School District Current Real Estate Tax 20-21 Millage Rates

- Gateway School District 20.1655 Mills*
- ➤ Plum Borough School District 21.0757 Mills
- ➤ Woodland Hills School Dist. <u>26.9982</u> Mills*
- ➤ East Allegheny School Dist. 26.9722 Mills
- Penn Hills School District 29.6965 Mills*
- NOTE: These Millage rates will probably change for the 2021-2022 fiscal year due to upcoming Allegheny County school district millage rate increases. (* = Increased millage rate for 2020-2021.)

Select Allegheny County Real Estate Tax Millage Rates for 20-21



District Real Estate Assessment Issues to Consider for 21-22

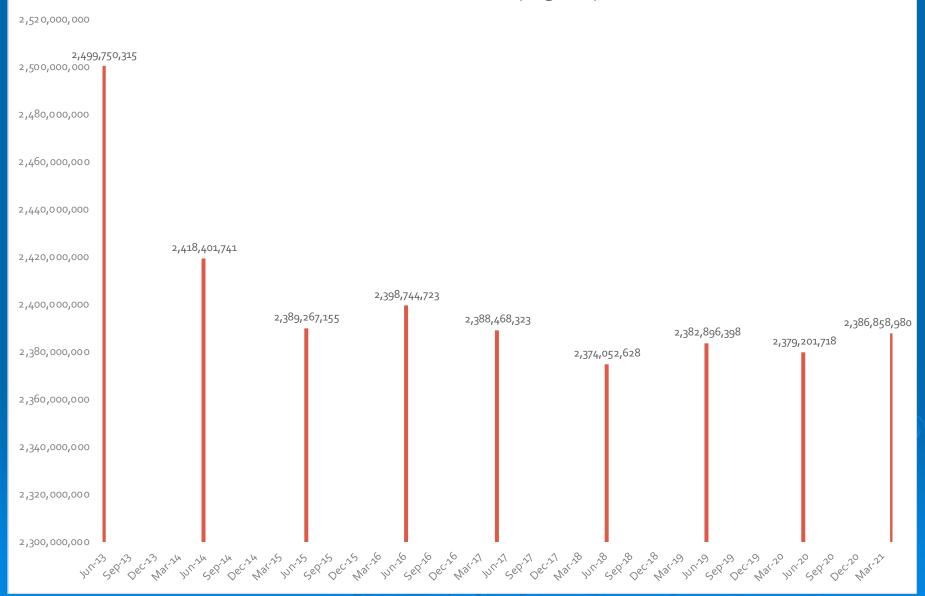
- Real estate assessment values for properties located in Monroeville and Pitcairn continue to increase and decrease in value as owner & District appeals continue to occur in the 2020-2021 and 2021-2022 fiscal years.
- Current year and prior year real estate tax refunds are having a negative effect on current year real estate tax revenue as well as prior year real estate tax refund expenditures which can effect Unassigned Fund Balance.
- > The number of taxpayer appeals continue to occur and the successful taxpayer appeals further decrease the total assessed real estate value of the District.
- > The District has been taking appeals against both commercial and residential taxpayers to adjust the recorded lower assessed values to the higher deed transfer sale values.
- New taxpayer appeals will continue to be initiated during the 2021-2022 fiscal year which <u>CAN NOT</u> be quantified either positively or negatively by the District based on a projected final outcome.

Total District Real Estate Assessed Values

> >	6/14/13 Total Assessed Value Less (\$36,000,000) =	\$2,499,750,315 \$2,463,750,315
> >	6/13/14 Total Assessed Value 6/13/14 Total Assessed Value Less (\$5,000,000) =	\$2,418,401,741 \$2,413,401,741
>	6/19/15 Total Assessed Value	\$2,389,267,155
>	6/17/16 Total Assessed Value	\$2,398,744,723
>	5/12/17 Total Assessed Value	\$2,388,468,323
>	6/15/18 Total Assessed Value	\$2,374,052,628
>	6/14/19 Total Assessed Value	\$2,382,896,398
>	5/29/20 Total Assessed Value	\$2,379,201,718
>	4/16/21 Total Assessed Value	<u>\$2,386,858,980</u>

NOTE: From 6/14/13 to 4/16/21, the Total Real Estate Assessed Value of the District continued to Decrease by (\$112,891,335) or (4.52%). District made total estimated adjustments of (\$41,000,000) resulting in (\$71,891,335) or (2.88%) of continued decline in assessed value or a net loss in revenue of (\$1,449,794)!

District Real Estate Assessed Values - (Loss) of (\$112,891,335) in Assessed Value from 6/14/13 to 4/16/21



3.6% Index - Equivalent in Mills

The District is permitted to increase the millage rate by up to a 3.6% (Index) for the 2021-2022 fiscal year.

Current Millage: 20.1655 Mills

Multiplied by 3.6% Index:
X .036

Max Increase in Millage of: 0.7259 Mills

- Thus, the maximum amount the Real Estate Tax
 Millage Rate WILL be for the 2021-2022 Fiscal Year is
 20.1655 Mills + 0.7259 Mills = 20.8914 Mills.
- Maintain 13th lowest ranking for 2021-2022?

Comparison of Current to Maximum Real Estate Tax Millage Rate

- 2020-2021 Current Millage Rate: 20.1655 Mills
- > 2021-2022 Maximum Millage Rate: 20.8914 Mills
- Maximum Increase of (0.7259 Mills) in the Millage Rate.
- Maximum Increase of (3.6%) in the Millage Rate.
- NOTE: An increase in the real estate tax millage rate has been "required" & included in the Proposed Final Budget for the 2021-2022 fiscal year. A full increase of 3.6% would yield a net amount of approximately \$1,672,499.

Utilization of 2021-2022 Tax Increase

- Estimated Tax Increase Revenue \$1,672,499
- Less: Increase in New Debt Service(\$1,114,258)
- Remaining Tax Increase Available \$ 558,241
- for Other 2021-2022 Expenditure
- Increases (Very little remains! 33.38%)

	REAL ESTATE	TAX	NUMBER	UTILIZATION OF	AMOUNT OF FUND
FISCAL YEAR	MILLAGE RATE	INCREASE	OF MILLS	FUND BALANCE	BALANCE BUDGETED
2020-2021	20.1655	YES	0.2980	YES	\$ 416,000.00
2019-2020	19.8675	NO	0.00	YES	\$ 2,177,000.00
2018-2019	19.8675	YES	0.5411	YES	\$ 1,812,000.00
2017-2018	19.3264	NO	0.00	YES	\$ 3,819,000.00
2016-2017	19.3264	NO	0.00	NO	\$
2015-2016	19.3264	YES	0.4345	YES	\$ 574,000.00
2014-2015	18.8919	NO	0.00	YES	\$ 1,777,000.00
2013-2014	18.8919	YES	0.3704	NO	\$
2012-2013	21.85	YES	0.83	YES	\$ 245,000.00
2011-2012	21.02	NO	0.00	YES	\$ 370,000.00
2010-2011	21.02	YES	1.61	NO	\$
2009-2010	19.41	NO	0.00	YES	\$ 2,663,000.00
2008-2009	19.41	NO	0.00	YES	\$ 342,000.00
2007-2008	19.41	NO	0.00	YES	\$ 390,000.00
2006-2007	19.41	NO	0.00	NO	\$
2005-2006	19.41	YES	1.00	NO	\$
2004-2005	18.41	YES	1.00	NO	\$ -
2003-2004	17.41	YES	0.86	YES	\$ 758,902.00
2002-2003	16.55	?	?	YES	\$ 622,190.00

\$ Amount of Real Estate Tax Maximum Millage Increase Per Resident Available for 2021-2022

Monroeville:

Pitcairn:

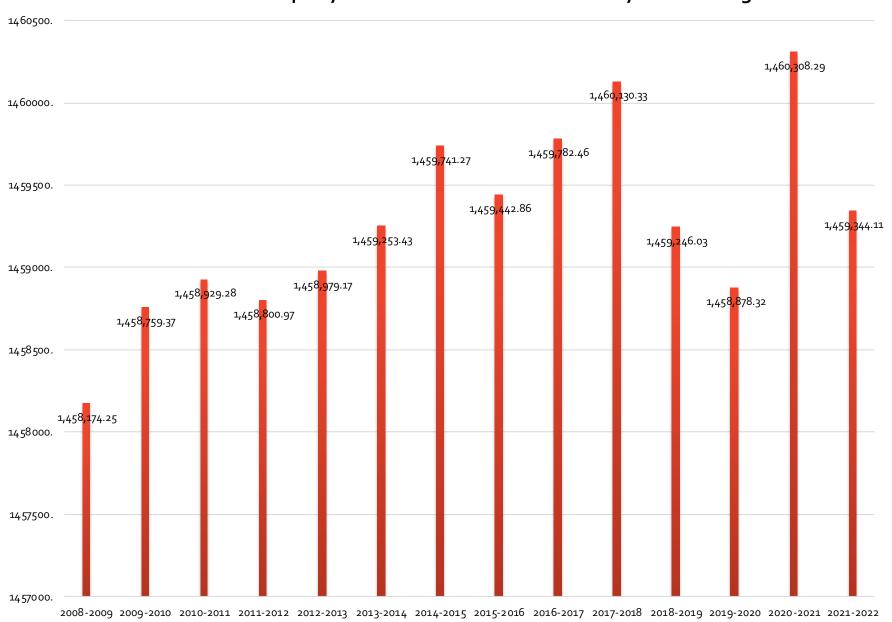
Based on median taxable value of \$109,000.

- Based on median taxable value of \$34,600.
- At Maximum 3.6% Index= \$79.12/YEAR.
- At Maximum 3.6% Index= \$25.12/YEAR.
- At Maximum 3.6% Index= \$6.59/MONTH.
- At Maximum 3.6% Index= \$2.09/MONTH.

Homestead Exclusion for 2021-2022

- State determined on April 15, 2021 that gaming revenues will be available for distribution to the school districts during the 2021-2022 fiscal year.
- PDE certified and officially released the actual distribution amount to the District on May 1, 2021. The amount of \$1,459,344.11 will be received by the District for the 2021-2022 fiscal year.
- Allegheny County Office of Property Assessments will send the District a file containing all of the applicable Homestead properties that qualify to receive the Homestead Exclusion from the District.
- The 2021-2022 fiscal year will be the 14th year in a row for the District to receive and to distribute a State gaming revenue distribution.
- Impact of the distribution will be <u>revenue neutral</u> in the District's 2021-2022 fiscal year Budget.

Actual State Property Tax Reduction Allocations - Very Little Change



Homestead Exclusion for 2021-2022

\$183.10 (Actual 2020-2021 #) per eligible homestead property in both Monroeville & Pitcairn for the 2021-2022 fiscal year.

	<u>Monroeville</u>	<u>Pitcairn</u>
0.7259 Mill Increase	\$ 79.12	\$ 25.12
Less: Exclusion	<u>(\$183.10)</u>	<u>(\$183.10)</u>
Net Credit Effect	<u>(\$103.98)</u>	<u>(\$157.98)</u>

Projection of Ending Total Fund Balance at 6/30/21 for 2020-2021

>	Beginning Fund Balance as of 7/1/20	<u>\$9,288,257</u>
>	Less: 1. Balance the 2020-2021 Budget	(\$416,000)
	2. Current Year Real Estate Tax Refunds	(\$108,151)
>	3. Prior Year Real Estate Tax Refunds	(\$284,972)
	4. Loss of GMS Auditorium Rental Income Due to COVID-19	(\$TBD)
	5. Loss of EIT, LST, Mercantile, & Deed Transfer Taxes Due to	COVID-19 (\$TBD)
>	6. Other Major Expenditures Greater than Budget	(\$To Be Determined)
>	Add: 1. Utility Expenditure Savings from COVID-19 Days 2. Other Major Revenues Greater than Budget	\$To Be Determined \$To Be Determined
>	Net Projected Decrease for 2020-2021 Fiscal Ye	ear (<u>\$809,123)</u>

- (Note: This actual net # will be greater or less! This analysis ONLY focuses on the major identifiable items and NOT every expenditure and revenue line item variance in the entire 2020-2021 General Fund Budget.)
- **Projected Ending Fund Balance at 6/30/21**

\$8,479,134

Composition of Projected Ending Fund Balance at 6/30/21 for 2020-2021

- Unassigned Fund Balance
- Nonspendable Fund Balance
- > Committed Fund Balance

- \$4,502,577
- \$ 649,557
- \$3,327,000
- Projected Total Fund Balance \$8,479,134
- (\$8,479,134/\$87,964,000 = 9.64%)
 - Total Recommended to be between 5% and 15%.

Components of Fund Balance

- <u>Unassigned Fund Balance</u>: Portion that <u>is immediately available</u> to be utilized for identified purposes such as balancing the Budget & making transfers to other funds.
- Nonspendable Fund Balance: Portion that offsets the amount of Prepaid Expenditures on the District's balance sheet & is not available for expenditure.
- Committed Fund Balance: Portion that is not immediately available due to official designation by the Board for specific purposes through a formal Board resolution. Can be designated by the Board for different purposes or classified back to Unassigned Fund Balance through an additional formal Board resolution. Designations Currently Include: 1. Future employer health insurance increases; 2. Future employer pension cost increases; & 3. Future capital repair project expenditures for District school buildings.

Composition of Committed Fund Balance Projected at 6/30/21

DATE DESIGNATED		COMMITTED
BY THE BOARD	DESCRIPTION OF DESIGNATION	<u>AMOUNTS</u>
3/26/2008 & 5/19/2020	FUTURE HEALTH CARE COST INCREASES	\$ 1,327,000.00
2/19/2014	GHS ROOF REPAIRS	\$ 1,000,000.00
2/19/2014	FUTURE PENSION COST INCREASES	\$ 1,000,000.00
	TOTAL BALANCE PROJECTED AT 6/30/21	\$ 3,327,000.00

Projection of Total Fund Balance at 6/30/22 for 2021-2022

Projected Total Fund Balance as of 7/1/20

\$8,479,134

Less: 2. Fund Balance Required to Balance the Proposed Final Budget Deficit

(\$1,678,000)

Projected Total Fund Balance as of 6/30/22

\$6,801,134

(\$6,801,134/\$87,694,000 = 7.76%)

Total Recommended between 5% and 15%.

(NOTE: Moody's Investors Services indicates the US Median for Total Fund Balance is 22% or would be \$19,292,680 in the above scenario.)

Budget Process for 2021-2022

- A "not to exceed" Index (3.6%) resolution was previously adopted by the Board on January 19, 2021 for the 2021-2022 fiscal year.
- Thus, referendum exceptions <u>have not been</u> requested and <u>will not be</u> utilized by the District for the 2021-2022 fiscal year to further increase the millage rate above the 3.6% Index rate. 3.6% Index = Maximum 0.7259 mills increase.
- The Proposed Final 2021-2022 General Fund Budget will be adopted by the Board on May 11, 2021. The Budget will be displayed via the <u>PDE-2028</u> form on the District's website at <u>www.gatewayk12.org</u>
- Various summary and detailed Excel spread sheets will also be displayed on the District's website at www.gatewayk12.org in .pdf files.
- > Thus, the Pre-Act 1 budget timeline will continue to be followed by the District through final Budget adoption by the Board scheduled on June 15, 2021.

Future Budget & Finance Committee Meetings

- > 1. Tuesday, June 1, 2021 Final Public Hearing.
- NOTE: The above Budget & Finance Committee Meeting will begin at 6:00 p.m. and held via Zoom and also held "live" in the GHS LGI.