



The Arbitrage Group, Inc.

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January 29, 2025

Ms. Na'Son White
Comptroller
Madison County
P.O. Box 608
Canton, Mississippi 39046

\$8,400,000
Madison County, Mississippi
General Obligation Public Improvement Bonds,
Series 2020
Installment Rebate Calculation For the Period
January 2, 2020 to January 2, 2025

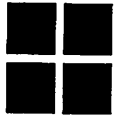
Dear Ms. White:

Attached please find a copy of our rebate report for the above noted bonds along with our agreed-upon invoice. The report indicates there is no rebate liability, however there is a yield reduction payment liability as of the January 2, 2025 Installment Rebate Computation Date.

Due to continued investment activity in the Project Fund, we have scheduled the next update for January 1, 2026. We will be in contact at that time. If there are any actual (or anticipated) changes to the Bonds beforehand, please let us know as it may impact the timing and substance of future analyses. We will be in contact at that time. If you have any questions or comments, please do not hesitate to contact me at (713) 522-8527. It has been our pleasure working with your team and we look forward to being of service again in the very near future regarding any other arbitrage rebate compliance or verification service needs.

Very truly yours,
The Arbitrage Group, Inc.

H. Troy Merrill
Partner



The Arbitrage Group, Inc.

\$8,400,000
Madison County, Mississippi
General Obligation Public Improvement Bonds,
Series 2020

Rebate Computation for the Period
January 2, 2020 to January 2, 2025



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Madison County
Canton, Mississippi

\$8,400,000
Madison County, Mississippi
General Obligation Public Improvement Bonds,
Series 2020

Madison County, Mississippi issued the above referenced bonds ("Bonds") dated and delivered on January 2, 2020. At the request of the Madison County ("Borrower"), we have performed the procedures enumerated below for the period January 2, 2020 to January 2, 2025 ("Computation Period"). These procedures, which were agreed to by the Borrower were performed solely to assist the Borrower in evaluating compliance with the requirements of Section 148(f)(2) of the Internal Revenue Code of 1986, as amended ("Code"). This engagement was performed in accordance with standards established by the American Institute of Certified Public Accountants for consulting services. The sufficiency of these procedures is solely the responsibility of the specified users of the report. This report is intended solely for your information and should not be used by those who have not agreed to the procedures and taken responsibility for the sufficiency of the procedures for their purposes. This report is not to be quoted or referred to without our prior written consent.

Our procedures and findings are as follows:

- (1) We read the IRS Form 8038-G ("8038-G"), Tax Compliance and No Arbitrage Certificate ("Certificate"), excerpts from the Official Statement ("OS"), and general ledger account detail ("GL statements"), each provided to us by or on behalf of the Borrower.
- (2) A schedule of the sources and uses of funds (Exhibit A) was assembled based upon the 8038-G, Certificate, and GL statements.
- (3) Schedules of the debt service requirements of the Bonds to maturity, as well as the net original issue premium (Exhibits B-1 and B-2) were assembled based on the OS.
- (4) The yield on the Bonds was computed to be the discount rate that causes the present value of all principal and interest payments on the Bonds to equal the Issue Price to the Public. The yield on the Bonds was computed to be 2.001874% (Exhibit B-1).



Madison County
January 29, 2025
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- (5) Schedules of actual earnings on the nonpurpose investments in the Project Fund purchased with gross proceeds of the Bonds during the Computation Period (Exhibits C-1 through C-5) were assembled based on the GL statements.
- (6) The allowable earnings amounts on the nonpurpose investments in the Project Fund were calculated to be the amount that the nonpurpose investments would have earned if they had been invested at a rate equal to the yield on the Bonds of 2.001874% (Exhibits C-1 through C-3) and at the yield of the Bonds plus 0.125%, or 2.126874% ("Restricted Yield") (Exhibits C-4 and C-5).
- (7) The arbitrage earnings amounts during the Computation Period for the Project Fund were calculated to be the difference between the actual earnings and allowable earnings for the nonpurpose investments. The arbitrage earnings amounts for the Computation Period are as follows:

Trust Fund	Exhibit	Rebate Earnings	Restricted Earnings
Project Fund to January 2, 2023	C-1	(\$104,374.51)	
Project Fund from January 2, 2023 to September 29, 2023	C-2/C-4	23,802.77	\$21,288.80
Project Fund from to September 29, 2023	C-3/C-5	3,289.00	336.46
Computation Date Credit	D	(10,141.60)	
Deemed Yield Reduction Payment		(21,625.26)	
Total Arbitrage Amounts		<u><u>(\$109,049.60)</u></u>	<u><u>\$21,625.26</u></u>

- (8) The assumptions and computational information employed in the above calculations are explained in Exhibit E.
- (9) Based on the information provided to us by the Borrower and the assumptions employed, this report shows there is no rebate liability, however there is a yield reduction payment liability for the Bonds as of the January 2, 2025 Installment Rebate Computation Date. This amount is subject to change due to future investment activity, if any, subsequent to the end of the Computation Period.

Because the above procedures do not constitute an audit conducted in accordance with generally accepted auditing standards, we do not express an opinion on any of the information referred to above. Had we performed additional procedures, other matters might have come to our attention that would have been reported to you. The terms of our engagement are such that we have no obligation to update this report because of events and transactions occurring subsequent to the date of this report.

Very truly yours,

The Arbitrage Group, Inc.

Exhibits

- A. Sources and Uses of Funds
- B. Computation of Yield on the Bonds
 - B-1. Debt Service Requirements and Proof of Yield on the Bonds
 - B-2. Computation of Net Original Issue Premium
- C. Computation of Arbitrage Earnings on the Project Fund
 - C-1. Project Fund to January 2, 2023
 - C-2. Project Fund from January 2, 2023 to September 9, 2023
 - C-3. Project Fund from September 9, 2023
 - C-4. Project Fund from January 2, 2023 to September 9, 2023 at the Restricted Yield
 - C-5. Project Fund from September 9, 2023 at the Restricted Yield
- D. Computation Date Credit
- E. Assumptions and Computational Information

Sources and Uses of Funds

*Madison County, Mississippi
General Obligation Public Improvement Bonds,
Series 2020*

SOURCES	Series 2020 Bonds
Principal Amount of the Bonds	\$8,400,000.00
Net Original Issue Premium	89,972.05
	<hr/>
	\$8,489,972.05
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 USES	
Project Fund	\$8,443,679.55
Underwriter's Discount	46,292.50
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	\$8,489,972.05
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Debt Service Requirements and Proof of Yield on the Bonds

*Madison County, Mississippi
General Obligation Public Improvement Bonds,
Series 2020*

Date	\$8,400,000 Serial Bonds			Debt Service Requirements of the Bonds	Present Value of Future Payments at 01/02/20 Using a Rate of 2.001874%
	Principal	Coupon Rate	Interest		
07/01/20			\$86,550.85	\$86,550.85	\$85,697.86
01/01/21	\$320,000.00	2.000%	87,034.38	407,034.38	399,028.87
07/01/21			83,834.38	83,834.38	81,371.06
01/01/22	320,000.00	2.000%	83,834.38	403,834.38	388,083.98
07/01/22			80,634.38	80,634.38	76,721.53
01/01/23	330,000.00	2.000%	80,634.38	410,634.38	386,836.04
07/01/23			77,334.38	77,334.38	72,130.48
01/01/24	340,000.00	2.000%	77,334.38	417,334.38	385,394.03
07/01/24			73,934.38	73,934.38	67,599.25
01/01/25	350,000.00	2.000%	73,934.38	423,934.38	383,767.90
07/01/25			70,434.38	70,434.38	63,129.06
01/01/26	360,000.00	2.000%	70,434.38	430,434.38	381,967.28
07/01/26			66,834.38	66,834.38	58,721.04
01/01/27	375,000.00	2.000%	66,834.38	441,834.38	384,350.91
07/01/27			63,084.38	63,084.38	54,333.14
01/01/28	385,000.00	2.000%	63,084.38	448,084.38	382,100.32
07/01/28			59,234.38	59,234.38	50,011.06
01/01/29	395,000.00	2.000%	59,234.38	454,234.38	379,705.42
07/01/29			55,284.38	55,284.38	45,755.56
01/01/30	410,000.00	2.000%	55,284.38	465,284.38	381,271.61
07/01/30			51,184.38	51,184.38	41,526.76
01/01/31	420,000.00	2.000%	51,184.38	471,184.38	378,491.45
07/01/31			46,984.38	46,984.38	37,367.44
01/01/32	435,000.00	2.000%	46,984.38	481,984.38	379,531.08
07/01/32			42,634.38	42,634.38	33,239.08
01/01/33	445,000.00	2.000%	42,634.38	487,634.38	376,407.18
07/01/33			38,184.38	38,184.38	29,182.60
01/01/34	460,000.00	2.000%	38,184.38	498,184.38	376,966.61
07/01/34			33,584.38	33,584.38	25,160.82
01/01/35	475,000.00	2.100%	33,584.38	508,584.38	377,246.30

Debt Service Requirements and Proof of Yield on the Bonds

*Madison County, Mississippi
General Obligation Public Improvement Bonds,
Series 2020*

Date	\$8,400,000 Serial Bonds			Debt Service Requirements of the Bonds	Present Value of Future Payments at 01/02/20 Using a Rate of 2.001874%
	Principal	Coupon Rate	Interest		
07/01/35			28,596.88	28,596.88	21,001.74
01/01/36	485,000.00	2.125%	28,596.88	513,596.88	373,450.93
07/01/36			23,443.75	23,443.75	16,877.68
01/01/37	500,000.00	2.200%	23,443.75	523,443.75	373,104.41
07/01/37			17,943.75	17,943.75	12,663.34
01/01/38	515,000.00	2.250%	17,943.75	532,943.75	372,383.93
07/01/38			12,150.00	12,150.00	8,405.44
01/01/39	530,000.00	2.250%	12,150.00	542,150.00	371,345.55
07/01/39			6,187.50	6,187.50	4,196.13
01/01/40	550,000.00	2.250%	6,187.50	556,187.50	373,447.18
	<u>\$8,400,000.00</u>		<u>\$2,036,591.63</u>	<u>\$10,436,591.63</u>	<u>\$8,489,972.05</u>
			Principal Amount of the Bonds		\$8,400,000.00
			Net Original Issue Premium		89,972.05
					<u>\$8,489,972.05</u>

Computation of Net Original Issue Premium

*Madison County, Mississippi
General Obligation Public Improvement Bonds,
Series 2020*

<u>Date</u>	<u>Principal</u>	<u>Coupon Rate</u>	<u>Yield</u>	<u>Price</u>	<u>Purchase Price</u>	<u>Accrued Interest</u>	<u>Original Issue Premium/(Discount)</u>
01/01/21	\$320,000.00	2.000%	1.150%	100.840%	\$322,688.00	\$0.00	\$2,688.00
01/01/22	320,000.00	2.000%	1.170%	101.633%	325,225.60	0.00	5,225.60
01/01/23	330,000.00	2.000%	1.190%	102.378%	337,847.40	0.00	7,847.40
01/01/24	340,000.00	2.000%	1.210%	103.073%	350,448.20	0.00	10,448.20
01/01/25	350,000.00	2.000%	1.270%	103.523%	362,330.50	0.00	12,330.50
01/01/26	360,000.00	2.000%	1.350%	103.732%	373,435.20	0.00	13,435.20
01/01/27	375,000.00	2.000%	1.450%	103.647%	388,676.25	0.00	13,676.25
01/01/28	385,000.00	2.000%	1.550%	103.372%	397,982.20	0.00	12,982.20
01/01/29	395,000.00	2.000%	1.650%	102.915%	406,514.25	0.00	11,514.25
01/01/30	410,000.00	2.000%	1.750%	102.283%	419,360.30	0.00	9,360.30
01/01/31	420,000.00	2.000%	1.862%	101.363%	425,724.60	0.00	5,724.60
01/01/32	435,000.00	2.000%	1.958%	100.452%	436,966.20	0.00	1,966.20
01/01/33	445,000.00	2.000%	2.000%	100.000%	445,000.00	0.00	0.00
01/01/34	460,000.00	2.000%	2.050%	99.394%	457,212.40	0.00	(2,787.60)
01/01/35	475,000.00	2.100%	2.100%	100.000%	475,000.00	0.00	0.00
01/01/36	485,000.00	2.125%	2.150%	99.663%	483,365.55	0.00	(1,634.45)
01/01/37	500,000.00	2.200%	2.200%	100.000%	500,000.00	0.00	0.00
01/01/38	515,000.00	2.250%	2.250%	100.000%	515,000.00	0.00	0.00
01/01/39	530,000.00	2.250%	2.300%	99.233%	525,934.90	0.00	(4,065.10)
01/01/40	550,000.00	2.250%	2.350%	98.411%	541,260.50	0.00	(8,739.50)
	<u>\$8,400,000.00</u>				<u>\$8,489,972.05</u>	<u>\$0.00</u>	<u>\$89,972.05</u>

Computation of Arbitrage Earnings on the Project Fund to January 2, 2023

*Madison County, Mississippi
General Obligation Public Improvement Bonds,
Series 2020*

Date	Principal Amounts	Actual Earnings		Total Nonpurpose Investment Activity	Future Value of Total Nonpurpose Investment Activity at 01/02/25 Using a Bond Yield of 2.001874%
		Interest	Gain (Loss)		
01/02/20	(\$8,443,679.55)	\$0.00	\$0.00	(\$8,443,679.55)	(\$9,327,940.58)
01/03/20	171,000.00	0.00	0.00	171,000.00	188,897.45
01/06/20	42,724.28	0.00	0.00	42,724.28	47,188.11
01/22/20	16,766.60	0.00	0.00	16,766.60	18,501.98
02/03/20	1,422.11	0.00	0.00	1,422.11	1,568.34
02/25/20	51,160.00	0.00	0.00	51,160.00	56,352.21
03/02/20	1,748.98	0.00	0.00	1,748.98	1,925.73
03/10/20	(156.70)	156.70	0.00	0.00	0.00
04/06/20	100,287.75	0.00	0.00	100,287.75	110,215.60
05/04/20	68,822.08	0.00	0.00	68,822.08	75,517.94
05/15/20	108,050.00	0.00	0.00	108,050.00	118,490.30
05/19/20	400.00	0.00	0.00	400.00	438.55
05/26/20	26,581.00	0.00	0.00	26,581.00	29,131.64
06/01/20	27,186.25	0.00	0.00	27,186.25	29,786.73
06/16/20	5,509.84	0.00	0.00	5,509.84	6,031.87
06/30/20	(38,024.31)	38,024.31	0.00	0.00	0.00
07/06/20	17,490.19	0.00	0.00	17,490.19	19,126.12
07/09/20	610.00	0.00	0.00	610.00	666.94
07/24/20	14,400.00	0.00	0.00	14,400.00	15,731.22
08/03/20	8,705.96	0.00	0.00	8,705.96	9,506.05
08/14/20	7,156.00	0.00	0.00	7,156.00	7,808.89
08/18/20	3,000.00	0.00	0.00	3,000.00	3,272.98
08/24/20	160,500.00	0.00	0.00	160,500.00	175,046.76
09/08/20	9,948.50	0.00	0.00	9,948.50	10,841.77
09/11/20	26,000.00	0.00	0.00	26,000.00	28,329.82
09/18/20	(56,065.52)	56,065.52	0.00	0.00	0.00
09/22/20	55,824.14	0.00	0.00	55,824.14	60,789.45
09/29/20	13,324.00	0.00	0.00	13,324.00	14,503.49
09/30/20	24,790.66	55,179.19	0.00	79,969.85	87,044.28

Computation of Arbitrage Earnings on the Project Fund to January 2, 2023

*Madison County, Mississippi
General Obligation Public Improvement Bonds,
Series 2020*

Date	Principal Amounts	Actual Earnings		Total Nonpurpose Investment Activity	Future Value of Total Nonpurpose Investment Activity at 01/02/25 Using a Bond Yield of 2.001874%
		Interest	Gain (Loss)		
10/12/20	46,571.00	0.00	0.00	46,571.00	50,657.20
11/02/20	10,005.33	0.00	0.00	10,005.33	10,871.17
11/05/20	501,048.00	0.00	0.00	501,048.00	544,317.46
11/20/20	625.00	0.00	0.00	625.00	678.41
12/10/20	12,460.00	0.00	0.00	12,460.00	13,509.83
12/21/20	5,463.22	0.00	0.00	5,463.22	5,919.92
01/12/21	46,917.00	0.00	0.00	46,917.00	50,780.05
01/20/21	126,090.55	0.00	0.00	126,090.55	136,412.20
01/21/21	46,058.00	0.00	0.00	46,058.00	49,825.50
01/25/21	128,556.00	0.00	0.00	128,556.00	139,041.00
01/29/21	(44,166.75)	44,166.75	0.00	0.00	0.00
02/01/21	92,081.53	0.00	0.00	92,081.53	99,558.62
02/08/21	4,990.00	0.00	0.00	4,990.00	5,393.10
02/28/21	(6,012.49)	6,012.49	0.00	0.00	0.00
03/01/21	141,048.26	0.00	0.00	141,048.26	152,248.55
03/02/21	2,920.00	0.00	0.00	2,920.00	3,151.69
03/25/21	100.00	0.00	0.00	100.00	107.79
04/05/21	1,106.63	0.00	0.00	1,106.63	1,192.25
04/20/21	38,061.22	0.00	0.00	38,061.22	40,972.33
04/27/21	251,350.00	0.00	0.00	251,350.00	270,469.72
04/30/21	(2,407.93)	2,407.93	0.00	0.00	0.00
05/03/21	3,323.31	0.00	0.00	3,323.31	3,574.92
05/10/21	33,320.00	0.00	0.00	33,320.00	35,828.80
05/25/21	11,608.00	0.00	0.00	11,608.00	12,471.66
06/07/21	5,357.39	0.00	0.00	5,357.39	5,752.17
06/18/21	(31,166.19)	31,166.19	0.00	0.00	0.00
06/28/21	311,250.00	0.00	0.00	311,250.00	333,797.66
07/06/21	14,785.05	0.00	0.00	14,785.05	15,849.09
07/29/21	79,536.00	0.00	0.00	79,536.00	85,151.58
07/30/21	2,475.53	2,024.47	0.00	4,500.00	4,817.45
08/02/21	62,491.39	0.00	0.00	62,491.39	66,892.45

Computation of Arbitrage Earnings on the Project Fund to January 2, 2023

*Madison County, Mississippi
General Obligation Public Improvement Bonds,
Series 2020*

Date	Principal Amounts	Actual Earnings		Total Nonpurpose Investment Activity	Future Value of Total Nonpurpose Investment Activity at 01/02/25 Using a Bond Yield of 2.001874%
		Interest	Gain (Loss)		
08/17/21	35,617.98	0.00	0.00	35,617.98	38,094.80
09/07/21	133,608.18	0.00	0.00	133,608.18	142,741.05
09/14/21	72,905.00	0.00	0.00	72,905.00	77,858.31
09/30/21	94,858.23	2,187.39	0.00	97,045.62	103,547.38
10/19/21	1,392.84	0.00	0.00	1,392.84	1,484.59
11/01/21	7,578.49	0.00	0.00	7,578.49	8,072.36
12/03/21	1,000.00	0.00	0.00	1,000.00	1,063.28
12/06/21	110,768.61	0.00	0.00	110,768.61	117,758.94
12/10/21	101,765.00	0.00	0.00	101,765.00	108,163.19
12/21/21	74,428.31	0.00	0.00	74,428.31	79,059.65
01/10/22	10,800.00	0.00	0.00	10,800.00	11,459.98
01/19/22	1,950.36	0.00	0.00	1,950.36	2,068.51
02/04/22	350.00	0.00	0.00	350.00	370.89
02/07/22	6,217.98	0.00	0.00	6,217.98	6,588.10
02/23/22	4,427.50	0.00	0.00	4,427.50	4,686.89
02/25/22	(1,943.19)	1,943.19	0.00	0.00	0.00
03/07/22	30,142.05	0.00	0.00	30,142.05	31,883.29
03/21/22	302,081.00	0.00	0.00	302,081.00	319,284.22
03/28/22	2,200.00	0.00	0.00	2,200.00	2,324.38
04/04/22	123,386.05	0.00	0.00	123,386.05	130,318.99
04/22/22	(1,718.40)	1,718.40	0.00	0.00	0.00
05/02/22	13,996.83	0.00	0.00	13,996.83	14,760.41
05/17/22	157,320.00	0.00	0.00	157,320.00	165,764.79
06/06/22	28,627.17	0.00	0.00	28,627.17	30,132.15
06/20/22	1,392.84	0.00	0.00	1,392.84	1,464.92
07/05/22	39,247.21	0.00	0.00	39,247.21	41,244.27
07/28/22	(1,751.05)	1,751.05	0.00	0.00	0.00
08/02/22	391,125.15	0.00	0.00	391,125.15	410,413.70
08/15/22	2,630.92	0.00	0.00	2,630.92	2,758.68
09/06/22	601,860.94	0.00	0.00	601,860.94	630,355.07
09/30/22	31,999.48	1,558.41	0.00	33,557.89	35,099.99

Computation of Arbitrage Earnings on the Project Fund to January 2, 2023

*Madison County, Mississippi
General Obligation Public Improvement Bonds,
Series 2020*

Date	Principal Amounts	Actual Earnings		Total Nonpurpose Investment Activity	Future Value of Total Nonpurpose Investment Activity at 01/02/25 Using a Bond Yield of 2.001874%
		Interest	Gain (Loss)		01/02/25 Using a Bond Yield of 2.001874%
10/17/22	6,368.47	0.00	0.00	6,368.47	6,654.86
11/07/22	546,837.50	0.00	0.00	546,837.50	570,796.82
11/21/22	21,980.00	0.00	0.00	21,980.00	22,925.27
11/30/22	(11,504.06)	11,504.06	0.00	0.00	0.00
12/05/22	1,404.49	0.00	0.00	1,404.49	1,463.75
12/19/22	1,750.00	0.00	0.00	1,750.00	1,822.43
01/02/23	2,733,570.81	435.37	0.00	2,734,006.18	2,845,123.37
01/02/25	0.00	0.00	0.00	(256,301.42)	(256,301.42)
	\$0.00	\$256,301.42	\$0.00	\$0.00	(\$360,675.93)
		Actual Earnings			\$256,301.42
		Allowable Earnings			(360,675.93)
		Arbitrage Earnings			(\$104,374.51)

Computation of Arbitrage Earnings on the Project Fund from January 2, 2023 to September 29, 2023

*Madison County, Mississippi
General Obligation Public Improvement Bonds,
Series 2020*

Date	Principal Amounts	Actual Earnings		Total Nonpurpose Investment Activity	Future Value of Total Nonpurpose Investment Activity at 01/02/25 Using a Bond Yield of 2.001874%
		Interest	Gain (Loss)		
01/02/23	(\$2,733,570.81)	(\$435.37)	\$0.00	(\$2,734,006.18)	(\$2,845,123.37)
01/03/23	359,167.65	0.00	0.00	359,167.65	373,744.48
01/17/23	1,354.07	0.00	0.00	1,354.07	1,407.93
02/06/23	51,358.86	0.00	0.00	51,358.86	53,345.76
02/09/23	13,518.08	0.00	0.00	13,518.08	14,038.72
02/28/23	(1,187.36)	1,187.36	0.00	0.00	0.00
03/06/23	46,147.17	0.00	0.00	46,147.17	47,852.95
04/03/23	109,619.79	0.00	0.00	109,619.79	113,502.08
06/19/23	14,467.55	0.00	0.00	14,467.55	14,917.07
07/03/23	2,195.94	0.00	0.00	2,195.94	2,262.41
07/31/23	(27,035.13)	27,035.13	0.00	0.00	0.00
08/07/23	12,012.81	0.00	0.00	12,012.81	12,353.20
08/08/23	2,015,432.00	0.00	0.00	2,015,432.00	2,072,427.17
09/05/23	14,190.86	0.00	0.00	14,190.86	14,570.38
09/29/23	122,328.52	22,499.48	0.00	144,828.00	148,503.99
01/02/25	0.00	0.00	0.00	(50,286.60)	(50,286.60)
	\$0.00	\$50,286.60	\$0.00	\$0.00	(\$26,483.83)

	\$50,286.60
Actual Earnings	(26,483.83)
Allowable Earnings	\$23,802.77
Arbitrage Earnings	

Computation of Arbitrage Earnings on the Project Fund from September 29, 2023

*Madison County, Mississippi
General Obligation Public Improvement Bonds,
Series 2020*

Date	Principal Amounts	Actual Earnings		Total Nonpurpose Investment Activity	Future Value of Total Nonpurpose Investment Activity at 01/02/25 Using a Bond Yield of 2.001874%
		Interest	Gain (Loss)		01/02/25 Using a Bond Yield of 2.001874%
09/29/23	(\$1,151,535.08)	\$0.00	\$0.00	(\$1,151,535.08)	(\$1,180,763.09)
01/22/24	(11,206.10)	11,206.10	0.00	0.00	0.00
01/31/24	1,049.01	(1,049.01)	0.00	0.00	0.00
02/06/24	1,161,692.17	1,193.52	0.00	1,162,885.69	1,184,052.09
01/02/25	0.00	0.00	0.00	(11,350.61)	(11,350.61)
	<u>\$0.00</u>	<u>\$11,350.61</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>(\$8,061.61)</u>
		Actual Earnings			\$11,350.61
		Allowable Earnings			(8,061.61)
		Arbitrage Earnings			<u>\$3,289.00</u>

Computation of Arbitrage Earnings on the Project Fund from January 2, 2023 to September 29, 2023 at the Restricted Yield

*Madison County, Mississippi
General Obligation Public Improvement Bonds,
Series 2020*

Date	Principal Amounts	Actual Earnings		Total Nonpurpose Investment Activity	Future Value of Total Nonpurpose Investment Activity at 01/02/25 Using a Bond Yield of 2.126847%
		Interest	Gain (Loss)		
01/02/23	(\$2,733,570.81)	(\$435.37)	\$0.00	(\$2,734,006.18)	(\$2,852,170.70)
01/03/23	359,167.65	0.00	0.00	359,167.65	374,668.95
01/17/23	1,354.07	0.00	0.00	1,354.07	1,411.34
02/06/23	51,358.86	0.00	0.00	51,358.86	53,471.65
02/09/23	13,518.08	0.00	0.00	13,518.08	14,071.70
02/28/23	(1,187.36)	1,187.36	0.00	0.00	0.00
03/06/23	46,147.17	0.00	0.00	46,147.17	47,960.93
04/03/23	109,619.79	0.00	0.00	109,619.79	113,747.65
06/19/23	14,467.55	0.00	0.00	14,467.55	14,945.44
07/03/23	2,195.94	0.00	0.00	2,195.94	2,266.61
07/31/23	(27,035.13)	27,035.13	0.00	0.00	0.00
08/07/23	12,012.81	0.00	0.00	12,012.81	12,374.66
08/08/23	2,015,432.00	0.00	0.00	2,015,432.00	2,076,019.20
09/05/23	14,190.86	0.00	0.00	14,190.86	14,594.28
09/29/23	122,328.52	22,499.48	0.00	144,828.00	148,735.32
01/02/25	0.00	0.00	0.00	(50,286.60)	(50,286.60)
	\$0.00	\$50,286.60	\$0.00	\$0.00	(\$28,189.57)
		Actual Earnings			\$50,286.60
		Allowable Earnings			(28,189.57)
		Total Restricted Earnings			\$22,097.03
		Percentage allocable to the Bonds		x 96.342364%	
		Restricted Earnings			\$21,288.80

Computation of Arbitrage Earnings on the Project Fund from September 29, 2023

*Madison County, Mississippi
General Obligation Public Improvement Bonds,
Series 2020*

Date	Principal Amounts	Actual Earnings		Total Nonpurpose Investment Activity	Future Value of Total Nonpurpose Investment Activity at 01/02/25 Using a Bond Yield of 2.126847%
		Interest	Gain (Loss)		01/02/25 Using a Bond Yield of 2.126847%
09/29/23	(\$1,151,535.08)	\$0.00	\$0.00	(\$1,151,535.08)	(\$1,182,602.39)
01/22/24	(11,206.10)	11,206.10	0.00	0.00	0.00
01/31/24	1,049.01	(1,049.01)	0.00	0.00	0.00
02/06/24	1,161,692.17	1,193.52	0.00	1,162,885.69	1,185,379.14
01/02/25	0.00	0.00	0.00	(11,350.61)	(11,350.61)
	\$0.00	\$11,350.61	\$0.00	\$0.00	(\$8,573.86)
		Actual Earnings			\$11,350.61
		Allowable Earnings			(8,573.86)
		total Restricted Earnings			\$2,776.75
		Percentage allocable to the Bonds			x 12.116932%
		Arbitrage Earnings			\$336.46

Computation Date Credit

*Madison County, Mississippi
General Obligation Public Improvement Bonds,
Series 2020*

Date	Annual Computation Credit	Future Value of Annual Computation Credit Amounts at 01/02/25 Using a Bond Yield of 2.001874%
01/02/21	(\$1,780.00)	(\$1,927.62)
01/02/22	(1,830.00)	(1,942.69)
01/02/23	(1,960.00)	(2,039.65)
01/02/24	(2,070.00)	(2,111.64)
01/02/25	(2,120.00)	(2,120.00)
	<u>(\$9,760.00)</u>	<u>(\$10,141.60)</u>
		<u><u>(\$10,141.60)</u></u>
	Computation Date Credit	<u><u>(\$10,141.60)</u></u>

Assumptions and Computational Information

*Madison County, Mississippi
General Obligation Public Improvement Bonds,
Series 2020*

- (1) Present value and future value computations were made on the basis of a 30/360 day year and semiannual compounding. The Bonds constitute one issue for rebate and yield restriction purposes as detailed in the Certificate. The Bonds have also not been refunded or defeased prior to the end of the Computation Period.
- (2) A bond year ending on January 2nd has been assumed for rebate computation purposes. Therefore, January 2, 2025 is the first IRS Installment Computation Date.
- (3) In calculating the bond yield (Exhibit B-1), we have assumed consistent with the Certificate that: (i) there are no includable qualified guarantee or hedge amounts; and, (ii) in calculating the net original issue premium, we utilized applicable prices or yields as detailed in the OS.
- (4) It was assumed that the only funds which were funded and contained gross proceeds of the Bonds were the Project Fund and Bond Fund as represented by the Borrower.
- (5) As represented by the Borrower, beginning September 29, 2023 other amounts were deposited to the Project Fund. Only the portion representing proceeds of the Bonds was included in the computation of arbitrage earnings. On February 6, 2024, all proceeds of the Bonds were assumed allocated for allowable costs on a first in-first out basis.
- (6) As detailed in the Certificate, the Project Fund was afforded an initial three-year temporary period with respect to yield. Subsequent to this initial three-year temporary period, the Project Fund was assumed restricted to the Restricted Yield after allocation of the allowable \$100,000 minor portion. Other than the Bond Fund (as detailed below), there are no other amounts or accounts pledged with respect to debt service on the Bonds to otherwise constitute replacement proceeds as detailed in the Certificate.
- (7) The transaction amounts in the Principal Amounts, Interest, and Gain (Loss) columns shown in Exhibits C-1 through C-5 for each date represent the net transaction activity for that date. Net investment and interest purchases are denoted by parentheses. The Gain (Loss) columns represent the net gains and losses, if any, on investments purchased and/or sold at discounts and premiums.
- (8) It was assumed that the purchase price of each investment was at fair market value, did not include brokerage or other acquisition fees, and represented an arm's length transaction which did not reduce the rebate amount to be paid to the United States.
- (9) All amounts withdrawn from the Project Fund were assumed to be spent for the purpose of the bond issue on the day they were withdrawn.
- (10) The Income Tax Regulations are silent as to the treatment of imputed earnings for uninvested bond proceeds. No interest earnings were imputed on uninvested amounts, if any.
- (11) The Bond Fund (including any and all related sub-accounts) was excluded from the computation pursuant to Section 148(f)(4)(A)(ii) of the Code which excludes bona fide debt service funds, as defined in Section 1.148-1(b) of the Regulations, from the rebate computation. The Certificate indicates that the Bond Fund is intended to function as a bona fide debt service fund. We have assumed that for the entire Computation Period that this fund has in fact operated as a bona fide debt service fund and that yearly earnings were less than the \$100,000 limitation. As such, this fund has been excluded from the rebate or yield restriction analyses.

Arbitrage Rebate, Yield Reduction and Penalty in Lieu of Arbitrage Rebate

▶ Under sections 143(g)(3) and 148(f) and section 103(c)(6)(D) of the Internal Revenue Code of 1954.
 ▶ Go to www.irs.gov/Form8038T for instructions and the latest information.

OMB No. 1545-0047

Part I Reporting Authority Check box if Amended Return

1 Issuer's name Madison County, Mississippi		2 Issuer's employer identification number (EIN) 64-6000658	
3 Number and street (or P.O. box no. if mail is not delivered to street address) 125 West North Street		Room/suite	4 Report number (For IRS Use Only) 7
5 City, town, or post office, state, and ZIP code Canton, Mississippi 39046		6 Date of issue January 2, 2025	
7 Name of Issue \$8,400,000 Madison County, MS General Obligation Public Improvement Bonds Ser 2020		8 CUSIP number 557259YB8	
9 Name and title of officer of the issuer or other person whom the IRS may call for more information Ronny Lott - Chancery Clerk		10 Telephone number of officer or other person (601) 855-5535	
11 Type of Issue ▶ Transportation		Issue price ▶	11 8,489,972.00

Part II Arbitrage Rebate and Yield Reduction Payments

12 Computation date to which this payment relates (MM/DD/YYYY)		Amount
12 01/02/2025		
13 Arbitrage rebate payment (see instructions) <input type="checkbox"/> check box if less than 100% of rebate amount	13	
14 Yield reduction payment (see instructions) <input type="checkbox"/> check box if less than 100% of yield reduction amount	14	21,625.26
15 Rebate payment from Qualified Zone Academy Bond (QZAB) defeasance escrow (see instructions)	15	

Part III Penalty in Lieu of Arbitrage Rebate

16 Number of months since date of issue: <input type="checkbox"/> 6 mos <input type="checkbox"/> 12 mos <input type="checkbox"/> 18 mos <input type="checkbox"/> 24 mos <input type="checkbox"/> Other. No. of mos ▶ _____		
17 Penalty in lieu of rebate	17	
18 Date of termination election (MM/DD/YYYY)		
19 Penalty upon termination	19	

Part IV Late Payments

20 Does failure to pay timely qualify for waiver of penalty? See instructions Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
21 Penalty for failure to pay on time (see instructions)	21
22 Interest on underpayment (see instructions)	22

Part V Total Payment

23 Total payment. Add lines 13, 14, 15, 17, 19, 21, and 22. Enter total here	23	21,625.26
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Part VI Miscellaneous

24 Unspent proceeds as of this computation date	24	
25 Proceeds used to redeem bonds	25	
26 Gross proceeds used for qualified administrative costs for guaranteed investment contracts (GICs) and defeasance escrows	26	
27 Fees paid for a qualified guarantee	27	

	Yes	No
28 Is the issue a variable rate issue?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
29 Did the issuer enter into a hedge? Name of provider _____ Term of hedge _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>
30 Were gross proceeds invested in a GIC? Name of provider _____ Term of GIC _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>
31 Were any gross proceeds invested beyond an available temporary period?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

32 Calculations for filing of this form prepared by: Issuer Preparer: **The Arbitrage Group, Inc.**

Signature and Consent

Under penalties of perjury, I declare that I have examined this return, and accompanying schedules and statements, and to the best of my knowledge and belief, they are true, correct, and complete. I further declare that I consent to the IRS's disclosure of the issuer's return information, as necessary to process this return, to the person that I have authorized above.

Signature of Issuer's authorized representative: Date: 1/24/25 Type or print name and title: _____

Paid Preparer Use Only

Print/Type preparer's name H. Troy Merrill	Preparer's signature 	Date 1/24/25	Check <input type="checkbox"/> if self-employed	PTIN P0152182
Firm's name ▶ The Arbitrage Group, Inc.	Firm's EIN ▶ 76-0604182		Phone no. (713) 522-8527	
Firm's address ▶ 99 Detering Street, Suite 120 Houston, TX 77007				