



October 11, 2021

Board of Trustees
Teachers' Retirement System of Oklahoma
Harvey Parkway Building
301 NW 63rd Street, Suite 500
Oklahoma City, OK 73116-7921

Subject: GASB 67 and 68 Reporting and Disclosure Information for TRS Fiscal Year Ending June 30, 2021

Dear Members of the Board:

This report provides information required by the Teachers' Retirement System of Oklahoma (TRS) in connection with the Governmental Accounting Standards Board (GASB) Statement No. 67, "Financial Reporting for Pension Plans." Additionally, this report provides information required by the governmental employers participating in TRS in connection with the GASB Statement No. 68, "Accounting and Financial Reporting for Pensions." This information can be used by governmental employers in financial reporting for fiscal years ending between (and including) June 30, 2021 and June 30, 2022. The information provided herein was prepared for the purpose of assisting TRS and the governmental employers in the compliance with the financial reporting and disclosure requirements of GASB Statement Nos. 67 and 68.

Beginning with the fiscal year ended 2017, the plan liabilities associated with the Supplemental Medical Insurance benefit and the assets assigned to the Retiree Medical Benefit Fund, which constitute the TRS OPEB Plan, were excluded from this report. The TRS OPEB Plan is covered in the report prepared for reporting under GASB Statement No. 74.

The net pension liability is not an appropriate measure for measuring the sufficiency of plan assets to cover the estimated cost of settling the employer's benefit obligation. The net pension liability is not an appropriate measure for assessing the need for or amount of future employer contributions. A calculation of the plan's liability for purposes other than satisfying the requirements of GASB Statement Nos. 67 and 68 may produce significantly different results. This report may be provided to parties other than TRS only in its entirety and only with the permission of TRS.

The total pension liability, net pension liability, and certain sensitivity information shown in this report are based on an actuarial valuation performed as of June 30, 2021. It is our opinion that the recommended assumptions are internally consistent, reasonable, and comply with the requirements under GASB Statement Nos. 67 and 68.

This report is based upon information, furnished to us by TRS, which includes benefit provisions, membership information, and financial data. We did not audit this data and information, but we did

apply a number of tests and concluded that it was reasonable and consistent. GRS is not responsible for the accuracy or completeness of the information provided to us by TRS.

Certain tables included in the Required Supplementary Information should include a 10-year history of information. As provided for in GASB Statement Nos. 67 and 68, this historical information is only presented for the years in which the information was measured in conformity with the requirements of GASB Statement Nos. 67 and 68. The historical information in this report will begin with the information presented for the TRS fiscal year ending June 30, 2014.

Paragraph 57 of GASB Statement No. 68 indicates that contributions to the pension plan subsequent to the measurement date of the Net Pension Liability and prior to the end of the employer's reporting period can be reported by the employer as a deferred outflow of resources related to pensions. The information contained in this report does not incorporate any contributions made to TRS attributable to periods after June 30, 2021.

This report complements the actuarial valuation report as of June 30, 2021, provided for plan funding purposes, which was also provided to TRS and should be considered together as a complete report for the plan year ending June 30, 2021. Please see the actuarial valuation report as of June 30, 2021 for additional discussion of the actuarial valuation, including the nature of actuarial calculations and more information related to participant data, economic and demographic assumptions, and benefit provisions.

To the best of our knowledge, this report is complete and accurate and is in accordance with generally recognized actuarial practices and methods. Mr. Falls and Mr. Detweiler are members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion herein.

Respectfully submitted,
Gabriel, Roeder, Smith & Company



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Senior Consultant



Bill Detweiler, ASA, EA, FCA, MAAA
Consultant



Summary of Population Statistics

The total pension liability described in this report is based on the plan membership as of June 30, 2021:

Inactive Plan Members or Beneficiaries Currently Receiving Benefits*	67,016
Inactive Plan Members Entitled to But Not Yet Receiving Benefits**	27,212
Active Plan Members	<u>89,945</u>
Total Plan Members	184,173

* Service retirements, disability retirements, and beneficiaries

** Includes 13,562 nonvested terminated members entitled to a refund of their member contributions.

Measurement of the Net Pension Liability

The net pension liability is measured as the total pension liability, less the amount of the plan's fiduciary net position. In actuarial terms, this is analogous to the accrued liability as measured using the individual entry age normal actuarial cost method less the market value of assets (not the smoothed actuarial value of assets seen in our actuarial valuations based on the Board's adopted assumptions and methods).

A single discount rate of 7.00% was used to measure the total pension liability as of both June 30, 2020 and June 30, 2021. This single discount rate was based on an expected rate of return on pension plan investments for plan years ending June 30, 2020 and June 30, 2021. Based on the stated assumptions and the projection of cash flows, the pension plan's fiduciary net position and future contributions were projected to be available to finance all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

The projection of cash flows used to determine this single discount rate assumed that plan member and employer contributions will be made at the current statutory levels and remain a level percentage of payroll.

Actuarially Determined Contribution

Beginning with the fiscal year ending June 30, 2016, the Actuarially Determined Employer Contribution (ADEC) is determined as the employer contribution amount necessary to finance the normal cost and the anticipated administrative expenses as well as discharge the Unfunded Actuarial Accrued Liability over a period equal to the funding period for the current actuarial valuation for plan funding purposes (i.e., 21 years as of June 30, 2020). However, in no event shall the amortization period be in excess of a fixed period of twenty (20) years.



Sensitivity of the Net Pension Liability to the Single Discount Rate Assumption

The following table provides the sensitivity of the net pension liability to changes in the discount rate as of June 30, 2021. In particular, the table presents the plan's net pension liability, if it were calculated using a single discount rate that is one-percentage-point lower or one-percentage-point higher than the single discount rate:

	1% Decrease	Current Single Rate	1% Increase
	6.00%	Assumption	8.00%
	7.00%		
\$	8,350,461,571	\$ 5,108,827,036	\$ 2,425,193,952

Methodology for Proportionate Shares

This report provides the Collective Pension Amounts under GASB Statement No. 68 which will be allocated to the governmental employers participating in TRS. We are prepared to assist with the calculation of proportionate share of the Collective Pension Amounts associated with the governmental employers, as needed.

Support Provided by Nonemployer Contributing Entity

The State of Oklahoma contributes a percentage of its revenues from sales taxes, use taxes, corporate income taxes, individual income taxes, and lottery proceeds to TRS. Since the State makes contributions to a pension plan that is used to provide pensions to the employees of other entities (e.g., school districts), the State is considered a nonemployer contributing entity for TRS.

According to the criteria outlined in paragraph 15 of Statement 68, the State is not in a Special Funding Situation with TRS. The primary reason is that the State's contributions are dependent upon one or more events or circumstances unrelated to the pensions. As a result, paragraph 58 of Statement 68 indicates that each governmental employer should recognize "revenue" equal to the governmental employer's proportionate share of the contributions to the pension plan from nonemployer contributing entities. The accounting treatment for this support provided by a nonemployer contributing entity should be treated in the same manner as the governmental employer would treat a grant in the entity-wide financial statements.

For the fiscal year ending June 30, 2021, support provided to TRS by nonemployer contributing entities totaled \$276,918,852.



Statement of Changes in Fiduciary Net Position as of June 30, 2021

Fiscal Year	2021
Additions	
Contributions	
Member contributions, including state credit	\$ 343,474,401
Grant matching funds	34,371,572
State contribution	276,918,852
Employer/district contributions	458,248,765
Total Contributions	\$ 1,113,013,590
Net investment earnings	
Investment income	\$ 5,476,625,929
Investment expenses	(57,020,175)
Net Investment Income	\$ 5,419,605,754
Total Additions	\$ 6,532,619,344
Deductions	
Benefit Payments	\$ 1,485,469,024
Refunds	31,939,815
Administrative Expense	5,446,164
Other	0
Total Deductions	\$ 1,522,855,003
Net Increase in Net Position	\$ 5,009,764,341
Net Position Restricted for Pensions	
Beginning of Year	\$ 16,489,026,044
End of Year	\$ 21,498,790,385

This reconciliation only includes the items needed to reconcile the changes in Net Pension Liability during the fiscal year. The Reconciliation of Fiduciary Net Position required by GASB may require additional detail regarding the changes throughout the year.



SCHEDULES OF REQUIRED SUPPLEMENTARY INFORMATION

Schedule of Changes in the Employers' Net Pension Liability and Related Ratios

Fiscal year ending June 30,	2021	2020	2019	2018	2017
Total Pension Liability					
Service Cost	\$ 516,376,790	\$ 482,233,224	\$ 444,005,366	\$ 432,592,587	\$ 446,728,754
Interest	1,783,511,996	1,709,647,749	1,628,247,388	1,586,869,029	1,599,025,933
Benefit Changes	0	425,115,415	0	18,410,937	0
Difference between actual & expected experience	(154,121,356)	247,417,000	418,186,187	(99,947,351)	(373,928,623)
Assumption Changes	0	1,276,379,957	0	0	(482,042,966)
Benefit Payments	(1,485,469,024)	(1,396,258,730)	(1,378,984,998)	(1,323,912,271)	(1,281,816,606)
Refunds	(31,939,815)	(35,183,705)	(38,002,018)	(42,940,983)	(40,944,298)
Net Change in Total Pension Liability	\$ 628,358,591	\$ 2,709,350,910	\$ 1,073,451,925	\$ 571,071,948	\$ (132,977,806)
Total Pension Liability - Beginning	25,979,258,830	23,269,907,920	22,196,455,995	21,625,384,047	21,758,361,853
Total Pension Liability - Ending (a)	\$ 26,607,617,421	\$ 25,979,258,830	\$ 23,269,907,920	\$ 22,196,455,995	\$ 21,625,384,047
Plan Fiduciary Net Position					
Contributions - Employer/State	\$ 769,539,189	\$ 816,756,915	\$ 817,833,074	\$ 757,678,568	\$ 698,695,713
Contributions - Member	343,474,401	340,057,646	325,766,148	312,866,576	292,949,337
Net Investment Income	5,419,605,754	117,011,982	785,418,295	1,455,605,848	1,945,898,975
Benefit Payments	(1,485,469,024)	(1,396,258,730)	(1,378,984,998)	(1,323,912,271)	(1,281,816,606)
Refunds	(31,939,815)	(35,183,705)	(38,002,018)	(42,940,983)	(40,944,298)
Administrative Expense	(5,446,164)	(5,266,375)	(5,194,983)	(4,200,021)	(4,028,080)
Other	0	0	0	0	0
Net Change in Plan Fiduciary Net Position	\$ 5,009,764,341	\$ (162,882,267)	\$ 506,835,518	\$ 1,155,097,717	\$ 1,610,755,041
Plan Fiduciary Net Position - Beginning	16,489,026,044	16,651,908,311	16,145,072,793	14,989,975,076	13,379,220,035
Plan Fiduciary Net Position - Ending (b)	\$ 21,498,790,385	\$ 16,489,026,044	\$ 16,651,908,311	\$ 16,145,072,793	\$ 14,989,975,076
Net Pension Liability - Ending (a) - (b)	\$ 5,108,827,036	\$ 9,490,232,786	\$ 6,617,999,609	\$ 6,051,383,202	\$ 6,635,408,971
Plan Fiduciary Net Position as a Percentage					
of Total Pension Liability	80.80 %	63.47 %	71.56 %	72.74 %	69.32 %
Covered Employee Payroll	\$ 4,822,734,551	\$ 4,739,701,022	\$ 4,473,511,671	\$ 4,149,557,077	\$ 4,070,723,673
Net Pension Liability as a Percentage					
of Covered Employee Payroll	105.93 %	200.23 %	147.94 %	145.83 %	163.00 %

Notes to Schedule:

The covered employee payroll is an estimate of the actual payroll, imputed from individual member contributions.

The assumption change in fiscal year 2015 is attributable to the new assumptions adopted by the Board in May 2015.

The assumption change in fiscal year 2016 is attributable to the new economic assumptions adopted by the Board in September 2016.

The beginning balances for the total pension liability and the plan fiduciary net position were both restated as of June 30, 2016 to remove \$434,882,619 which will be reported as an OPEB going forward.

The assumption change in fiscal year 2017 is attributable to the change in assumed election rate for the Supplemental Medical Insurance benefit adopted by the Board in August 2017.

The assumption change in fiscal year 2020 is attributable to the new assumptions adopted by the Board in July 2020.



SCHEDULES OF REQUIRED SUPPLEMENTARY INFORMATION

Schedule of Changes in the Employers' Net Pension Liability and Related Ratios (continued)

Fiscal year ending June 30,	<u>2016</u>	<u>2015</u>	<u>2014</u>
Total Pension Liability			
Service Cost	\$ 428,904,761	\$ 415,702,261	\$ 409,199,801
Interest	1,609,511,334	1,538,893,982	1,491,722,137
Benefit Changes	0	0	0
Difference between actual & expected experience	(36,212,168)	(159,980,414)	(105,344,633)
Assumption Changes	933,294,515	346,488,630	0
Benefit Payments	(1,257,276,705)	(1,201,350,907)	(1,153,051,607)
Refunds	(36,109,832)	(35,240,176)	(28,718,256)
Net Change in Total Pension Liability	\$ 1,642,111,905	\$ 904,513,376	\$ 613,807,442
Total Pension Liability - Beginning	20,551,132,567	19,646,619,191	19,032,811,749
Total Pension Liability - Ending (a)	\$ 22,193,244,472	\$ 20,551,132,567	\$ 19,646,619,191
Plan Fiduciary Net Position			
Contributions - Employer/State	\$ 725,425,216	\$ 728,442,070	\$ 707,052,675
Contributions - Member	294,459,090	303,677,304	301,300,811
Net Investment Income	(357,443,247)	428,855,748	2,571,707,952
Benefit Payments	(1,257,276,705)	(1,201,350,907)	(1,153,051,607)
Refunds	(36,109,832)	(35,240,176)	(28,718,256)
Administrative Expense	(4,458,337)	(4,358,938)	(4,282,605)
Other	0	0	0
Net Change in Plan Fiduciary Net Position	\$ (635,403,815)	\$ 220,025,101	\$ 2,394,008,970
Plan Fiduciary Net Position - Beginning	14,449,506,469	14,229,481,368	11,835,472,398
Plan Fiduciary Net Position - Ending (b)	\$ 13,814,102,654	\$ 14,449,506,469	\$ 14,229,481,368
Net Pension Liability - Ending (a) - (b)	\$ 8,379,141,818	\$ 6,101,626,098	\$ 5,417,137,823
Plan Fiduciary Net Position as a Percentage			
of Total Pension Liability	62.24 %	70.31 %	72.43 %
Covered Employee Payroll	\$ 4,206,558,429	\$ 4,338,247,200	\$ 4,304,297,300
Net Pension Liability as a Percentage			
of Covered Employee Payroll	199.19 %	140.65 %	125.85 %

Notes to Schedule:

The covered employee payroll is an estimate of the actual payroll, imputed from individual member contributions.

The assumption change in fiscal year 2015 is attributable to the new assumptions adopted by the Board in May 2015.

The assumption change in fiscal year 2016 is attributable to the new economic assumptions adopted by the Board in September 2016.

The beginning balances for the total pension liability and the plan fiduciary net position were both restated as of June 30, 2016 to remove \$434,882,619 which will be reported as an OPEB going forward.

The assumption change in fiscal year 2017 is attributable to the change in assumed election rate for the Supplemental Medical Insurance benefit adopted by the Board in August 2017.

The assumption change in fiscal year 2020 is attributable to the new assumptions adopted by the Board in July 2020.



SCHEDULES OF REQUIRED SUPPLEMENTARY INFORMATION

Schedule of Employer Contributions

FY Ending June 30	Actuarially Determined Contribution	Actual Contribution	Contribution Deficiency (Excess)	Covered Payroll	Actual Contribution as a % of Covered Payroll
2014	\$ 602,936,966	\$ 707,052,675	\$ (104,115,709)	\$ 4,304,297,300	16.43%
2015	550,652,420	728,442,070	(177,789,650)	4,338,247,200	16.79%
2016	723,528,050	725,425,216	(1,897,166)	4,206,558,429	17.25%
2017	689,580,590	698,695,713	(9,115,123)	4,070,723,673	17.16%
2018	705,424,703	757,678,568	(52,253,865)	4,149,557,077	18.26%
2019	760,496,984	817,833,074	(57,336,090)	4,473,511,671	18.28%
2020	810,488,875	816,756,915	(6,268,040)	4,739,701,022	17.23%
2021	829,510,343	769,539,189	59,971,154	4,822,734,551	15.96%

Notes to Schedule of Contributions

Valuation Date: June 30, 2021

Notes Members and employers contribute based on statutorily fixed rates. The State of Oklahoma contributes a portion of revenues from sales taxes, use taxes, corporate and individual income taxes, and lottery proceeds. An additional contribution is made for members whose salary is paid from federal funds or certain grant money.

Beginning with the fiscal year ending June 30, 2016, the Actuarially Determined Employer Contribution (ADEC) is determined as the employer contribution amount necessary to finance the normal cost and the anticipated administrative expenses as well as discharge the Unfunded Actuarial Accrued Liability over a period equal to the funding period for the current actuarial valuation for plan funding purposes (i.e., 21 years as of June 30, 2020). However, in no event shall the amortization period be in excess of a fixed period of twenty (20) years. ADEC rates are calculated as of June 30.

Beginning with the fiscal year ending June 30, 2017, an actuarially determined portion of the employers' contributions (0.12% of pay for FY2021) is allocated to the OPEB Subaccount and reported under GASB 74. As a result, these contributions are not included in either the actual or actuarially determined contributions above.

The ADEC was previously determined as the total employer contribution necessary to fund the normal cost and to amortize the UAAL as a level percentage of payroll over 30 years.

Methods and Assumptions Used to Determine Contribution Rates:

Actuarial Cost Method	Entry Age Normal
Amortization Method	Level Percentage of Payroll
Remaining Amortization Period	20 years
Asset Valuation Method	5-year smoothed market
Inflation	2.25%
Salary Increases	Composed of 2.25% inflation, plus 0.75% productivity increase rate, plus step-rate promotional increases for members with less than 25 years of service.
Investment Rate of Return	7.00%
Retirement Age	Experience-based table of rates based on age, service, and gender. Adopted by the Board in July 2020 in conjunction with the five year experience study for the period ending June 30, 2019.
Mortality	2020 GRS Southwest Region Teacher Mortality Table for males and females. Generational mortality improvements in accordance with the Ultimate MP scales are projected from the year 2020.



GOVERNMENTAL EMPLOYER FINANCIAL STATEMENTS
Pension Expense for Fiscal Year Ending June 30, 2021
To be used for Governmental Employer Reporting for Fiscal Years Ending
Between June 30, 2021 and June 30, 2022

Expense	
1. Total service cost	\$ 516,376,790
2. Interest on total pension liability	1,783,511,996
3. Current-period benefit changes	0
4. Member contributions	(343,474,401)
5. Projected earnings on plan investments	(1,139,887,374)
6. Administrative expense	5,446,164
7. Other	0
8. Recognition of beginning deferred outflows (inflows) due to liabilities	283,162,577
9. Recognition of beginning deferred outflows (inflows) due to assets	<u>(808,194,021)</u>
10. Total Pension Expense	\$ 296,941,731

Recognition of Deferred Outflows and Inflows of Resources

According to paragraph 33 of GASB No. 68, *differences between expected and actual experience and changes in assumptions* are recognized in pension expense using a systematic and rational method over a closed period equal to the average of the expected remaining service lives of all employees that are provided with pensions through the pension plan (active employees and inactive employees) determined as of the beginning of the measurement period.

At the beginning of the 2021 fiscal year, the expected remaining service lives of all employees was 970,117 years for TRS. Additionally, the TRS plan membership (active employees and inactive employees) was 184,026. As a result, the average of the expected remaining service lives for purposes of recognizing the applicable deferred outflows and inflows of resources established in the 2021 fiscal year is 5.27 years.

Additionally, *differences between projected and actual earnings on pension plan investments* should be recognized in pension expense using a systematic and rational method over a closed five-year period.

For this purpose, the deferred outflows and inflows of resources are recognized in the pension expense as a level dollar amount over the closed period identified above.



GOVERNMENTAL EMPLOYER FINANCIAL STATEMENTS
Statement of Outflows and Inflows Arising from Current and Prior Reporting Periods
For Plan Year Ending June 30, 2021
To be used for Governmental Employer Reporting for Fiscal Years Ending
Between June 30, 2021 and June 30, 2022

A. New Deferred Outflows and Inflows of Resources by Source Established in Fiscal Year

	Outflows of Resources	Inflows of Resources	Net Outflows of Resources
1. Differences between expected and actual experience	\$ 0	\$ 154,121,356	\$ (154,121,356)
2. Assumption Changes	0	0	0
3. Net Difference between projected and actual earnings on pension plan investments	0	4,279,718,380	(4,279,718,380)
4. Total	\$ 0	\$ 4,433,839,736	\$ (4,433,839,736)

B. Outflows and Inflows of Resources by Source to be recognized in Current Pension Expense

	Outflows of Resources	Inflows of Resources	Net Outflows of Resources
1. Differences between expected and actual experience	\$ 125,141,400	\$ 124,876,243	\$ 265,157
2. Assumption Changes	369,130,509	86,233,089	282,897,420
3. Net Difference between projected and actual earnings on pension plan investments	307,280,084	1,115,474,105	(808,194,021)
4. Total	\$ 801,551,993	\$ 1,326,583,437	\$ (525,031,444)

C. Deferred Outflows and Deferred Inflows of Resources by Source to be recognized in Future Pension Expenses

	Outflows of Resources	Inflows of Resources	Net Outflows of Resources
1. Differences between expected and actual experience	\$ 336,861,440	\$ 189,979,890	\$ 146,881,550
2. Assumption Changes	794,727,143	50,877,521	743,849,622
3. Net Difference between projected and actual earnings on pension plan investments	838,837,187	3,492,300,056	(2,653,462,869)
4. Total	\$ 1,970,425,770	\$ 3,733,157,467	\$ (1,762,731,697)

D. Deferred Outflows and Deferred Inflows of Resources by Year to be recognized in Future Pension Expenses

Period	Outflows of Resources	Inflows of Resources	Net Outflows of Resources
Fiscal Year + 1	\$ 673,247,891	\$ 1,062,635,687	\$ (389,387,796)
Fiscal Year + 2	673,247,891	892,248,192	(219,000,301)
Fiscal Year + 3	537,677,331	885,188,716	(347,511,385)
Fiscal Year + 4	86,252,657	885,188,716	(798,936,059)
Fiscal Year + 5	0	7,896,156	(7,896,156)
Thereafter	0	0	0
Total	\$ 1,970,425,770	\$ 3,733,157,467	\$ (1,762,731,697)



GOVERNMENTAL EMPLOYER FINANCIAL STATEMENTS
Recognition of Deferred Outflows and Inflows of Resources
For Plan Year Ending June 30, 2021
To be used for Governmental Employer Reporting for Fiscal Years Ending
Between June 30, 2021 and June 30, 2022

Year Established	Initial Amount	Initial Recognition Period	Current Year Recognition	Remaining Recognition	Remaining Recognition Period
Deferred Outflow (Inflow) due to Differences Between Expected and Actual Experience on Liabilities					
2015	(159,980,414)	6.22	(5,658,470)	0	0.00
2016	(36,212,168)	5.71	(4,502,738)	0	0.00
2017	(373,928,623)	5.59	(66,892,420)	(39,466,523)	0.59
2018	(99,947,351)	5.38	(18,577,575)	(25,637,051)	1.38
2019	418,186,187	5.33	78,458,947	182,809,346	2.33
2020	247,417,000	5.30	46,682,453	154,052,094	3.30
2021	(154,121,356)	5.27	(29,245,040)	(124,876,316)	4.27
Total			265,157	146,881,550	
Deferred Outflow (Inflow) due to Assumption Changes					
2015	346,488,630	6.22	12,255,222	0	0.00
2016	933,294,515	5.71	116,048,880	0	0.00
2017	(482,042,966)	5.59	(86,233,089)	(50,877,521)	0.59
2018	0	5.38	0	0	1.38
2019	0	5.33	0	0	2.33
2020	1,276,379,957	5.30	240,826,407	794,727,143	3.30
2021	0	5.27	0	0	4.27
Total			282,897,420	743,849,622	
Deferred Outflow (Inflow) due to Differences Between Projected and Actual Earnings on Plan Investments					
2015	705,682,831	5.00	0	0	0.00
2016	1,502,285,342	5.00	0	0	0.00
2017	(955,025,370)	5.00	(191,005,074)	0	0.00
2018	(342,626,772)	5.00	(68,525,355)	(68,525,352)	1.00
2019	415,015,310	5.00	83,003,062	166,006,124	2.00
2020	1,121,385,107	5.00	224,277,022	672,831,063	3.00
2021	(4,279,718,380)	5.00	(855,943,676)	(3,423,774,704)	4.00
Total			(808,194,021)	(2,653,462,869)	

