

## THE MINING INDUSTRY PENSION FUND

Interim Actuarial Valuation as at 30 June 2022

Prepared by Tigere Mutare, FIA February 2023

9 February 2023

Ms. K Ndlovu, Principal Officer & Chief Executive Mining Industry Pension Fund, MIPF House, 5 Central Ave P.O. Box CY 1452, Causeway, Harare, Zimbabwe

Dear Ms. Ndlovu,

#### MINING INDUSTRY PENSION FUND INTERIM ACTUARIAL VALUATION AS AT 30 JUNE 2022

#### 1 Introduction

- 1.1 In accordance with your instructions, we have carried out an approximate actuarial valuation of the Mining Industry Pension Fund ("the Fund") as at 30 June 2022.
- 1.2 The Purpose of this report is to make recommendations as to the level of interim bonus and pension increases, if any, that can be afforded by the Fund, based on the financial position of the Fund as at 30 June 2022.
- 1.3 This report should be considered in conjunction with the report on the Actuarial Valuation of the Fund as at 31 December 2021 (dated July 2022. This report relies on the following matters, which are documented in the report on the Actuarial Valuation of the Fund as at 31 December 2021
  - The actuarial method and assumptions as documented in the report.
  - The benefits structure of the Fund
- 1.4 No reliance should be placed on this report by any third party, and we accept no responsibility or liability to any third party in respect of this report.
- 1.5 The requirements of Technical Actuarial Standards, TAS 100 Principles for technical actuarial work and TAS 300 Pensions, have been considered in relation to this report and have been complied with where material and relevant.

#### 2 **Previous Statutory Valuation**

- 2.1 The previous statutory Actuarial Valuation was carried out as at 31 December 2021. The valuation revealed that the value of the aggregate Fund liabilities as at 31 December 2021 was ZWL\$21.3 billion compared with an asset value of ZWL\$39.0 billion. This is equivalent to a surplus of ZWL\$17.6 billion. An approximate valuation was also carried out as at 31 March 2021.
- 2.2 The table below summarises the pension increases awarded since the valuation as at 31 December 2021.

| Effective date | Membership Categories            | SA 1   | SA 2  | SA 3 |
|----------------|----------------------------------|--------|-------|------|
| 1 January 2022 | Current and Suspended Pensioners | 104.0% | 85.7% | n/a  |
| 1 April 2022   | Current and Suspended Pensioners | 40.0%  | 60.0% | n/a  |
| 1 July 2022    | Current and Suspended Pensioners | 55.0%  | 10.0% | n/a  |

#### 3 Membership as at 31 December 2021

- 3.1 The data required for the valuation has been obtained from records which are maintained by the Fund.
- 3.2 The data was subjected to various checks for reasonability and consistency; we are satisfied with the accuracy and completeness of the data for the purposes of this interim Valuation. In cases where data was not available but was of no material consequence to the financial position of the Fund, we have made necessary assumptions.
- 3.3 While data checks are performed for the valuation, the final accountability for the accuracy of the Fund's data, however, resides with the Trustees and their appointed Administrators.

| Category             | 31-Dec-21 | 30-Jun-22 | Change |
|----------------------|-----------|-----------|--------|
| Active Members       | 23,022    | 22,361    | -661   |
| Deferred Pensioners  | 44,240    | 40,175    | -4,065 |
| Preserved Pensioners | 8,065     | 7,984     | -81    |
| Current Pensioners   | 9,343     | 9,474     | 131    |
| Suspended Pensioners | 2,661     | 2,547     | -114   |
| Total                | 87,331    | 82,541    | -4,790 |

3.4 The valuation of the Fund is based on the following membership numbers;

3.5 Additional membership data statistics are in Appendix II of this report.

#### 4 Contributions and expenses

- 4.1 Total contributions invoiced were ZWL\$2,656.9 million for the 6-month period to 30 June 2022. Cumulatively since 2009, total unpaid contributions amount to ZWL\$1,413 million excluding interest (ZWL\$1,812 million including interest).
- 4.2 An aggregate of ZWL\$1,471 million has been provisioned as bad and doubtful debts in respect of outstanding contributions with interest in the financial statements. However, the unpaid contributions and interest have been considered as part of the Fund's assets for the actuarial valuation as required by the IPEC Revaluation Guideline. We have also provided for a liability in respect of contribution arrears.
- 4.3 The redrafted Rules of the Fund require that administration expenses should not exceed 15% of received contributions.
  - The Fund incurred administration expenses amounting to ZWL\$423 million over the 6-month period to 30 June 2022.
  - This is equivalent to 14.6% of received contributions (15.9% of contribution income due) over the 6-month period to 31 December 2021.

#### 5 Assets as at 30 June 2022

5.1 The macroeconomic environment has remained volatile and highly uncertain. Inflationary pressures have continued to reduce real disposable income levels and economic productivity. The further depreciation of the Zimbabwe dollar exerts inflationary pressures as prices of goods and services in large sectors of the economy are indexed to the United State dollar.

- 5.2 We have noted the following market indicators;
  - Inflation as measured by the CPI was 119% over the 6-month period to 30 June 2022.
  - The ZSE all share index increased by 82% over the 6-month period to 30 June 2022.
  - The Zimbabwe Dollar, as determined by the RBZ "official market rate", depreciated against the United States Dollar from USD\$ 1: ZWL\$108.7 as at 31 December 2021 to USD\$ 1: ZWL\$366.3 as at 30 June 2022.
    - This is equivalent to an increase of approximately 237% in Zimbabwe dollar prices that are indexed to the US dollar at the official market rate.
  - The premium of the parallel market rate over the official market rate, according to data published by the RBZ was around 100% in June 2022.
    - This is equivalent to an increase of approximately 237% in Zimbabwe dollar prices that are indexed to the US dollar parallel market rate.
- 5.3 There is therefore a need to cushion the pensioners against the high cost of living by way of pension increases. The cost of pension increases, in Zimbabwe dollars, will be mainly funded by the uplift in monetary values of the assets following the depreciation of the Zimbabwe dollar which will have contributed to the stock market and property value gains.
- 5.4 We have been provided with the Fund's management accounts for the period to 30 June 2022. We have taken the assets at their stated market values for purposes of this exercise. The assets of the Fund, based on management accounts, were as follows:

| Valuation Date                                |          | 31 Decem | ber 2021 |          |          | 30 Jun   | e 2022  |          |
|---|----------|----------|----------|----------|----------|----------|---------|----------|
| Asset Class<br>(amounts in ZWL\$<br>millions) | SA 1     | SA 2     | SA 3     | Total    | SA 1     | SA 2     | SA3     | Total    |
| Prescribed assets                             | 4.4      | 400.1    | -        | 404.5    | -        | 1,367.0  | -       | 1,367.0  |
| Old Mutual Guaranteed<br>Fund                 | 244.8    | _        | _        | 244.8    | 591.4    | _        | _       | 591.4    |
| Quoted Shares                                 | 11,415.8 | 9,208.6  | 76.0     | 20,700.4 | 23,193.5 | 18,808.7 | 259.4   | 42,261.6 |
| Unquoted Shares                               | 734.2    | -        | -        | 734.2    | 2,204.6  | -        | -       | 2,204.6  |
| Fixed Property                                | 14,459.3 | 221.3    | -        | 14,680.6 | 45,105.7 | 1,655.7  | -       | 46,761.4 |
| Fixed Income Investments                      | 66.8     | 110.6    | -        | 177.4    | 161.1    | 192.9    | -       | 354.0    |
| Money Market/Deposits                         | 58.9     | 3.8      | 196.1    | 258.8    | 254.8    | 3.8      | 1,149.1 | 1,407.7  |
| Net Current assets                            | (101.9)  | 685.8    | 111.5    | 695.4    | (60.6)   | 1,393.4  | 572.0   | 1,904.8  |
| Assets as per Financial<br>Statements         | 26,882.3 | 10,630.2 | 383.6    | 37,896.1 | 71,450.5 | 23,421.5 | 1,980.5 | 96,852.5 |
| Actuarial adjustments                         | 246.1    | 768.4    | 123.0    | 1,137.5  | 98.5     | 1,372.3  | 739.9   | 2,210.7  |
| Adjusted Assets                               | 27,128.4 | 11,398.6 | 506.6    | 39,033.6 | 71,549.0 | 24,793.8 | 2,720.4 | 99,063.2 |

- 5.5 The market value of the Fund's assets as per the financial statements has increased from ZWL37.9 billion as at 31 December 2021 to ZWL\$96.9 billion as at 30 June 2022. The increase in the asset values was primarily driven by property revaluation gains and listed equity gains. Properties market values have increased from ZWL\$14.7 billion as at 31 December 2021 to ZWL\$46.8 billion as at 30 June 2022.
- 5.6 The Fund earned an aggregate investment return of approximately 149% over the 6-month period to 30 June 2022. We have also estimated the return achieved on the assets of each sub-account;
  - For sub-account 1 170% for the 6-month period to 30 June 2022
  - For sub-account 2 96% for the 6-month period to 30 June 2022
  - For sub-account 3 3.1% for the 6-month period to 30 June 2022

#### 6 Past Service Valuation results

6.1 The table below shows the balance sheet as at 30 June 2022. The liability values allow for the April 2022 pension increases.

| (amounts in ZWL\$<br>millions)                                   |          | 31 Decem | ber 2021 |          |          | 30 June  | e 2022  |          |
|--|----------|----------|----------|----------|----------|----------|---------|----------|
| Membership   | SA 1     | SA 2     | SA 3     | Total    | SA 1     | SA 2     | SA 3    | Total    |
| categories   |          |          |          |          |          |          |         |          |
| Active   | 12,139.0 | 8,847.2  | 380.2    | 21,366.4 | 11,794.3 | 10,008.8 | 1,674.7 | 23,477.8 |
| Deferred   | 5,134.8  | 608.0    | 6.1      | 5,748.9  | 5,135.9  | 837.4    | 89.4    | 6,062.7  |
| Preserved  | 1,022.9  | 80.0     | 1.7      | 1,104.6  | 1,099.1  | 137.5    | 10.0    | 1,246.6  |
| Current Pensioners   | 4,129.9  | 64.4     | -        | 4,194.3  | 5,774.1  | 118.4    | -       | 5,892.5  |
| Suspended Pensioners   | 488.7    | 0.3      | -        | 489.0    | 597.2    | 0.3      | -       | 597.5    |
| Suspended Pensioners'<br>arrears                                 | 873.4    | -        | -        | 873.4    | 900.6    | -        | -       | 900.6    |
| Additional Death Benefit<br>Reserve                              | 234.2    | 7.1      | -        | 241.3    | 232.8    | 6.9      | -       | 239.7    |
| Provision for liability in<br>respect of contribution<br>arrears | 835.6    | 991.1    | 114.1    | 1,940.8  | 814.9    | 1,616.0  | 871.7   | 3,302.6  |
| Data Reserve   | 396.7    | 117.6    | -        | 514.3    | 386.5    | 195.4    | -       | 581.9    |
| Provision for<br>Revaluation Gains for<br>exited members         | 482.6    | 124.6    | 0.7      | 607.9    | 296.4    | 58.6     | -       | 355.0    |
| Contingency Reserve  | 1,354.6  | 570.5    | -        | 1,925.1  | 3,577.5  | 1,239.7  | -       | 4,817.2  |
| Property Revaluation<br>Smoothing Reserve                        | -        | -        | -        | -        | -        | -        | -       | -        |
| Total Liability  | 27,092.4 | 11,410.8 | 502.8    | 39,006.0 | 30,609.3 | 14,219.0 | 2,645.8 | 47,474.1 |
| Adjusted Assets  | 27,092.4 | 11,410.8 | 502.8    | 39,006.0 | 71,549.0 | 24,793.8 | 2,720.4 | 99,063.2 |
| Surplus/ (Deficit)   | -        | -        | 0.0      | 0.0      | 40,939.7 | 10,574.8 | 74.6    | 51,589.1 |
| Funding Level  | 100.0%   | 100.0%   | 100.0%   | 100.0%   | 233.7%   | 174.4%   | 102.8%  | 208.7%   |

- 6.2 The value of the aggregate Fund liabilities as at 30 June 2022 was ZWL\$47.5 billion compared with an asset value of ZWL\$99.1 billion. This is equivalent to a surplus of ZWL\$51.6 billion.
  - The value of the Sub-account 1 accrued liabilities as at 30 June 2022 was ZWL\$30.6 billion compared with an asset value of ZWL\$71.5 billion. This is equivalent to a surplus of ZWL\$40.9 billion.
  - The value of the Sub-account 2 accrued liabilities as at 30 June 2022 was ZWL\$14.2 billion compared with an asset value of ZWL\$24.8 billion. This is equivalent to a surplus of ZWL\$10.6 billion.
  - The value of the Sub-account 3 accrued liabilities as at 30 June 2022 was USD 7.3 million (ZWL\$2.65 billion) compared with an asset value of USD 7.4 million (ZWL\$2.72 billion). This is equivalent to a surplus of USD 159,400 (ZWL\$74.6 million).

#### **Analysis of Surplus**

6.3 The principal factors that gave rise to the current financial position are summarised in the table below.

| Analysis of surplus (amounts in ZWL\$ millions)             | Sub-<br>account 1 | Sub-<br>account 2 | Sub-<br>account 3 | Total<br>ZWL |
|---|-------------------|-------------------|-------------------|--------------|
| Surplus/ (Deficit) as at 31 December 2021                   | -                 | -                 | -                 | -            |
| Investment return (excl. prop revaluation)                  | 15,161            | 10,525            | 67                | 25,753       |
| Property Revaluation Gains                                  | 30,100            | 542               | -                 | 30,642       |
| Increase in contingency reserve                             | (2,221)           | (670)             | -                 | (2,891)      |
| Increase in provisions for rent & operational costs debtors | (17)              | -                 | -                 | (17)         |
| Pensioners' cost of guarantee                               | (156)             | (4)               | -                 | (160)        |
| Cost of April 2022 pension increases                        | (1,830)           | (39)              | -                 | (1,869)      |
| Administration expenditure                                  | (304)             | (124)             | (7)               | (435)        |
| Increase in data reserve                                    | 11                | (78)              | -                 | (67)         |
| Unexplained   | -                 | -                 | -                 | -            |
| Miscellaneous gains/ (strains)                              | 195               | 423               | 15                | 633          |
| Surplus/ (Deficit) as at 30 June 2022                       | 40,939            | 10,575            | 75                | 51,589       |

#### **Allocation of Surplus**

- 6.4 In considering the level of bonuses and pension increases that can be afforded by the Fund as at 30 June 2022, we have;
  - determined the allocation of the surplus in accordance with the requirements of the IPEC Revaluation Guideline. The surplus is apportioned to each membership category and sub-account in proportion to the liabilities. Appendix II provides details of the surplus allocated to membership categories and sub accounts,
  - considered the funding level of the Fund and ensure that the bonuses and pension increases do not result in a deficit at the valuation date,
  - maintained data reserves and contingency reserves to reduce the impact of data issues and market volatility.
  - Considered investment market movement after the valuation date;
    - The Zimbabwe Dollar, as determined by the RBZ "official market rate", depreciated against the United States Dollar from USD\$ 1: ZWL\$ 366.3 as at 30 June 2022 to USD\$ 1: ZWL\$ 632.1 as at 31 October 2022. This is equivalent to an increase of approximately 73% in Zimbabwe dollar prices that are indexed to the US dollar at the official market rate. This suggests that property market values may have increased further in Zimbabwe dollars since the valuation date. This will be more relevant for sub-account 1 which has 63% of assets invested in property.
    - The ZSE all share index has decreased by approximately 25% since 30 June 2022. This will result in negative returns for the Fund which will be more severe for sub-account 2 which has approximately 80% of assets invested in listed equities. Therefore 40% of the surplus in sub-account 2 will be retained as smoothing reserve to absorb the expected impact of negative returns after the valuation date.

| Issue                                   | Membership<br>Categories   | SA 1   | SA 2  | SA 3 | Comments  |
|---|--|--------|-------|------|---|
| Bonus                                   | Active, Deferred,<br>Preserved<br>Outstanding<br>benefits,<br>Suspended<br>pension arrears | 176.6% | 60.5% | 3.8% | For the 6-months to 30 June 2022<br>(pro-rated for exits before 30 June 2022)               |
| Pension<br>Increase                     | Current and<br>Suspended<br>Pensioners   | 97.2%  | 44.2% | n/a  | with effect from 1 July 2022<br>(pro-rated for pensions commencing after 1<br>January 2021) |
| Additional<br>Death Benefit<br>increase | Active &<br>Pensioners   | 176.6% | 60.5% | n/a  | For the 6-months to 30 June 2022<br>(pro-rated for exits before 30 June 2022)               |
| Bonus for<br>exiting<br>members         | Exiting members  | 181.6% | 65.5% | 3.8% | For the 6-months to 30 June 2022<br>(pro-rated for exits before 30 June 2022)               |

6.5 We recommend the following bonus and pension increase rates;

6.6 Please note that the pension increases recommended will supersede the following interim pension increases.

| Effective date | Membership Categories            | SA 1  | SA 2  | SA 3 |
|----------------|----------------------------------|-------|-------|------|
| 1 July 2022    | Current and Suspended Pensioners | 55.0% | 10.0% | n/a  |

Clark

**Tigere Mutare, FIA, AMASSA.** (*in my capacity as consulting actuary to*) The Mining Industry Pension Fund **9 February 2023** 

## **APPENDIX I: REVENUE STATEMENT**

|                                     | Sub-account 1 | Sub-account 2 | Sub-account 3 | Total    |
|-------------------------------------|---------------|---------------|---------------|----------|
| Fund @ beginning of period          | 26,882.2      | 10,630.2      | 383.6         | 37,896.0 |
| Prior year adjustment               | (47.0)        | 19.8          | (0.0)         | (27.2)   |
| INCOME                              |               |               |               | -        |
| Member contributions                | -             | 1,082.7       | 248.8         | 1,331.5  |
| Employer contributions              | -             | 1,086.1       | 248.8         | 1,334.9  |
| Other contributions and provisions  | -             | (9.5)         | -             | (9.5)    |
| Interest on contribution arrears    | 21.2          | 230.3         | -             | 251.4    |
| Investment income                   | 160.2         | 308.7         | 41.7          | 510.7    |
| Net rental income                   | 308.1         | (0.2)         | -             | 307.8    |
| Property revaluation                | 30,100.4      | 542.3         | -             | 30,642.7 |
| Unrealised gains                    | 14,583.9      | 10,209.9      | 737.5         | 25,531.3 |
| Other income                        | 108.8         | 6.4           | 329.2         | 444.3    |
| Total Income                        | 45,282.5      | 13,456.7      | 1,606.0       | 60,345.3 |
| EXPENDITURE                         |               |               |               |          |
| Pension benefits                    | 302.3         | 2.3           | 0.0           | 304.6    |
| Other Benefits                      | 11.1          | 32.2          | 4.3           | 47.5     |
| Administration Expenditure          | 304.3         | 124.5         | 4.7           | 433      |
| Provision for bad debts             | 49.6          | 526.3         | -             | 575.9    |
| Amounts written down on investments | -             | -             | -             | -        |
| Total Expenditure                   | 667.2         | 685.2         | 9.0           | 1,361.5  |
|                                     |               |               |               |          |
| Fund @ end of period                | 71,450.5      | 23,421.5      | 1,980.6       | 96,852.6 |

# APPENDIX II: MEMBERSHIP DATA CHECKS AS AT 30 JUNE 2022

The membership data checks that were performed as at the valuation date and material issues identified are reflected below.

#### Checks carried out on Membership data

For each Member in the data received we checked for missing dates of birth, consistency of dates of birth, reference numbers and accrued pensions against the June 2020 data. We also performed the following reasonability checks:

- Check for the uniqueness of members' reference numbers.
- Dates are valid and within reasonable ranges;
- Ages fall within reasonable ranges.
- Pensions and contributions fall within reasonable ranges
- Consistency of pensions and contributions with previous valuation data and declared bonuses
- Reconciliation of membership numbers as at 31 December 2021 to the numbers as at 30 June 2021.

The following membership statistics were calculated and checked for reasonability:

- Pension-weighted average ages;
- Total, maximum, minimum, and average pensions

Where dates were invalid or missing the average date for the membership category was used.

#### MIPF Interim Actuarial Valuation as at 30 June 2022

The tables below show the movement in members' liability from 1 January 2022 to 30 June 2022 for each sub account based on data provided.

| SUB ACCOUNT 1<br>(amounts in ZWL\$ millions) | Opening<br>Balance | Data<br>adjustments | Contributions | Benefits<br>Paid | Transfer<br>to Exits<br>Reserve | Annuity<br>Capital<br>Value | Transfer<br>to<br>Surplus | Adjusted<br>Closing<br>Balance | Pensioners'<br>Guarantee<br>Cost | Liability<br>before<br>bonus | Surplus<br>Allocation | Closing<br>Balance |
|--|--------------------|---------------------|---------------|------------------|---------------------------------|-----------------------------|---------------------------|--------------------------------|----------------------------------|------------------------------|-----------------------|--------------------|
| Member Credits                               | 18,321.8           | 10.8                | -             | (94.6)           | (159.4)                         | (49.3)                      | -                         | 18,029.3                       | 0.0                              | 18,029.3                     | 31,863.2              | 49,892.4           |
| Liability for contribution arrears           | 835.6              |                     | (3.6)         | -                | -                               | -                           | (17.0)                    | 814.9                          | -                                | 814.9                        | -                     | 814.9              |
| Pensioners' Liability                        | 4,624.9            | -                   | -             | (302.3)          | -                               | 62.3                        | 1,830.4                   | 6,215.2                        | 156.0                            | 6,371.2                      | 6,193.4               | 12,564.6           |
| Suspended Pensioners' arrears                | 874.5              | -                   | -             | 26.1             |                                 |                             | -                         | 900.6                          | -                                | 900.6                        | 1,162.4               | 2,063.0            |
| Additional Death Benefit Reserve             | 234.5              | -                   | -             | (1.7)            | -                               | -                           | -                         | 232.8                          | -                                | 232.8                        | 413.0                 | 645.8              |
| Data Reserve                                 | 397.2              | (10.8)              | -             | -                | -                               | -                           | -                         | 386.5                          | -                                | 386.5                        | 682.4                 | 1,068.9            |
| Provision for exited members                 | 483.3              | -                   |               | (346.3)          | 159.4                           | -                           | -                         | 296.4                          | -                                | 296.4                        | 625.6                 | 922.0              |
| Contingency Reserve                          | 1,356.4            | -                   | -             | -                | -                               | -                           | 2,221.0                   | 3,577.5                        | -                                | 3,577.5                      | -                     | 3,577.5            |
| Property Revaluation Reserve                 | -                  | -                   | -             | -                | -                               | -                           | -                         | -                              |                                  |                              | -                     |                    |
| Total Liability                              | 27,128.3           | -                   | (3.6)         | (718.9)          | -                               | 13.0                        | 4,034.3                   | 30,453.1                       | 156.0                            | 30,609.1                     | 40,939.9              | 71,549.0           |

| SUB ACCOUNT 2<br>(amounts in ZWL\$ millions) | Opening<br>Balance | Data<br>adjustments | Contributions | Benefits<br>Paid | Transfer<br>to Exits<br>Reserve | Annuity<br>Capital<br>Value | Transfer<br>to<br>Surplus | Adjusted<br>Closing<br>Balance | Pensioners'<br>Guarantee<br>Cost | Liability<br>before<br>bonus | Surplus<br>Allocation | Closing<br>Balance |
|--|--------------------|---------------------|---------------|------------------|---------------------------------|-----------------------------|---------------------------|--------------------------------|----------------------------------|------------------------------|-----------------------|--------------------|
| Member Credits                               | 9,523.9            | (78.0)              | 1,647.9       | (46.1)           | (53.4)                          | (10.7)                      | -                         | 10,983.7                       | -                                | 10,983.7                     | 5,912.6               | 16,896.3           |
| Liability for contribution arrears           | 991.1              | -                   | 450.1         | -                | -                               | -                           | 174.7                     | 1,616.0                        | -                                | 1,616.0                      | -                     | 1,616.0            |
| Pensioners' Liability                        | 64.7               | -                   | -             | (2.3)            | -                               | 13.4                        | 38.5                      | 114.3                          | 4.4                              | 118.7                        | 52.5                  | 171.2              |
| Suspended Pensioners' arrears                | -                  | -                   | -             | -                | -                               |                             | -                         | -                              | -                                | -                            | -                     | -                  |
| Additional Death Benefit Reserve             | 7.1                | -                   | -             | (0.2)            | -                               | -                           | -                         | 6.9                            | -                                | 6.9                          | 4.2                   | 11.2               |
| Data Reserve                                 | 117.5              | 78.0                | -             | -                | -                               | -                           | -                         | 195.4                          | -                                | 195.4                        | 118.2                 | 313.7              |
| Provision for exited members                 | 124.5              | -                   | -             | (119.2)          | 53.4                            | -                           | -                         | 58.6                           | (0.0)                            | 58.6                         | 48.9                  | 107.6              |
| Contingency Reserve                          | 569.9              | -                   | -             | -                | -                               | -                           | -                         | 569.9                          |                                  | 1,239.7                      | -                     | 1,239.7            |
| Property Revaluation Reserve                 | -                  | -                   | -             | -                | -                               | -                           | -                         | -                              | -                                | -                            | -                     | -                  |
| Total Liability                              | 11,398.6           | -                   | 2,098.1       | (167.7)          | -                               | 2.6                         | 213.3                     | 13,544.9                       | 4.4                              | 14,219.0                     | 6,136.6               | 20,355.6           |

| SUB ACCOUNT 3<br>(amounts in USD\$ 000's) | Opening<br>Balance | Data<br>adjustments | Contributions | Benefits<br>Paid | Transfer<br>to Exits<br>Reserve | Annuity<br>Capital<br>Value | Transfer<br>to<br>Surplus | Adjusted<br>Closing<br>Balance | Pensioners'<br>Guarantee<br>Cost | Liability<br>before<br>bonus | Surplus<br>Allocation | Closing<br>Balance |
|---|--------------------|---------------------|---------------|------------------|---------------------------------|-----------------------------|---------------------------|--------------------------------|----------------------------------|------------------------------|-----------------------|--------------------|
| Member Credits                            | 3,605.0            | 53.1                | 1,244.2       | (14.1)           | (44.7)                          | -                           | -                         | 4,843.5                        | -                                | 4,843.5                      | 157.4                 | 5,000.9            |
| Liability for contribution arrears        | 1,049.9            | -                   | 1,355.7       | -                | -                               | -                           | -                         | 2,405.6                        | (25.6)                           | 2,380.0                      | -                     | 2,380.0            |
| Provision for exited members              | -                  | -                   | -             | -                | 44.7                            | -                           | -                         | 44.7                           | -                                | 44.7                         | 2.1                   | 46.8               |
| Total Liability                           | 4,654.9            | 53.1                | 2,599.9       | (14.1)           | -                               | -                           | -                         | 7,293.8                        | (25.6)                           | 7,268.2                      | 159.4                 | 7,427.7            |

### Pensioners' membership data summaries and statistics extracted from data provided are shown below.

|                    |                             | ACTIVE PENSIO | NERS        |             |               |  |  |  |  |  |  |
|--------------------|-----------------------------|---------------|-------------|-------------|---------------|--|--|--|--|--|--|
|                    | Males Females Missing Total |               |             |             |               |  |  |  |  |  |  |
| Gender             | 7,980                       | 1,518         | -           | 9,498       |               |  |  |  |  |  |  |
|                    | max                         | Min           | Average     | Sum         | Missing/ Zero |  |  |  |  |  |  |
| DOB                | 22-Nov-2051                 | 01-Jun-1924   | 13-Apr-1955 |             | -             |  |  |  |  |  |  |
| PSD                | 01-Jun-2022                 | 01-Apr-1979   | 18-Mar-2012 |             | ```           |  |  |  |  |  |  |
| SA1 Annual Pension | 1,856,477                   | 1,731         | 65,475      | 618,279,920 | -             |  |  |  |  |  |  |
| SA2 Annual Pension | 815,398                     | 16            | 26,496      | 10,306,822  | 9,109         |  |  |  |  |  |  |

| SUSPENDED PENSIONERS |             |             |             |             |              |  |  |  |  |  |  |
|----------------------|-------------|-------------|-------------|-------------|--------------|--|--|--|--|--|--|
|                      | Males       | Females     | Missing     | Total       |              |  |  |  |  |  |  |
| Gender               | 2,131       | 416         | -           | 2,547       |              |  |  |  |  |  |  |
|                      | max         | Min         | Average     | Sum         | Missing/Zero |  |  |  |  |  |  |
| DOB                  | 22-Nov-1984 | 01-Jul-1908 | 03-Aug-1939 |             | -            |  |  |  |  |  |  |
| PSD                  | 01-Sep-2021 | 01-Mar-1970 | 10-Apr-1997 |             | -            |  |  |  |  |  |  |
| Date Suspended       | 01-Jun-2022 | 01-Feb-1988 | 14-Dec-2010 |             | -            |  |  |  |  |  |  |
| SA1 Annual Pension   | 429,933     | -           | 64,720      | 164,842,252 | 8            |  |  |  |  |  |  |
| SA2 Annual Pension   | 27,749      | 982         | 9,927       | 29,780      | 2,544        |  |  |  |  |  |  |

#### Membership reconciliation

| ACTIVE MEMBERS           |        | DEFERRED MEMBERS |                          |        | PRESERVED |                          | PENSIONERS - 30 JUNE 2022 |       |                          |     |        |
|--------------------------|--------|------------------|--------------------------|--------|-----------|--------------------------|---------------------------|-------|--------------------------|-----|--------|
| Opening Balance          |        | 23,022           | Opening Balance          |        | 44,240    | Opening Balance          |                           | 8,065 | Opening Balance          |     | 12,004 |
| Reinstatements           |        |                  | Reinstatements           |        |           | New Entrants             |                           |       | New Entrants             |     |        |
| Deferred                 | 526    |                  | Active                   | 1,588  |           | Active                   | 92                        |       | Active                   | 49  |        |
| Preserved                | 31     |                  | Preserved                | 1      | 1,589     | Deferred                 | 75                        |       | Deferred                 | 52  |        |
| Exited 13                | 13     | 570              |                          |        |           | Exited                   |                           | 167   | Preserved                | 4   |        |
|                          |        |                  |                          |        |           |                          |                           |       | Exited                   | 34  | 139    |
| New Entrants             |        | 583              | New Entrants             |        | 215       |                          |                           |       |                          |     |        |
|                          |        |                  |                          |        |           | Duplicate Records Merged |                           |       |                          |     |        |
| Duplicate Records Merged |        | -23              | Duplicate Records Merged |        | -21       |                          |                           |       | Duplicate Records Merged |     |        |
|                          |        |                  |                          |        |           |                          |                           |       |                          |     |        |
| Exits                    |        |                  | Exits                    |        |           | Exits                    |                           |       | Exits                    |     |        |
| Trf out - Deferreds      | -1,588 |                  | Trf out - Actives        | -526   |           | Trf out - Actives        | -31                       |       | Death                    | -84 |        |
| Trf out - Preserved      | -92    |                  | Trf out - Preserved      | -75    |           | Trf out -Deferred        | -1                        |       |                          |     |        |
| Trf out - Pensioners     | -49    |                  | Trf out - Pensioners     | -52    |           | Trf out - Pensioners     | -4                        |       |                          |     |        |
| Death                    | -1     |                  | Death                    | -27    |           | Death                    | 0                         |       |                          |     |        |
| III-Health               | -11    |                  | III-Health               | -6     |           | III-Health               | 0                         |       | End of guaranteed Period | -14 | -98    |
| Withdrawal / Resignation | -15    |                  | Withdrawal / Resignation | -40    |           | Withdrawal / Resignation | 0                         |       |                          |     |        |
| Retrenchment             | -15    |                  | Retrenchment             | -41    |           | Retrenchment             | 0                         |       |                          |     |        |
| Retirement -             | -20    | -1,791           | Retirement               | -83    |           | Retirement               | -2                        |       |                          |     |        |
|                          |        |                  | Other                    | -4,997 | -5,847    | Other                    | -210                      | -248  |                          |     |        |
| Closing Balance          |        | 22,361           | Closing Balance          |        | 40,176    | Closing Balance          |                           | 7,984 | Closing Balance          |     | 12,045 |