Mid-Atlantic UFCW &
Participating Employers
Pension Fund

CHEIRON
Classic Values, Innovative Advice

2018 Preliminary Actuarial Valuation Results

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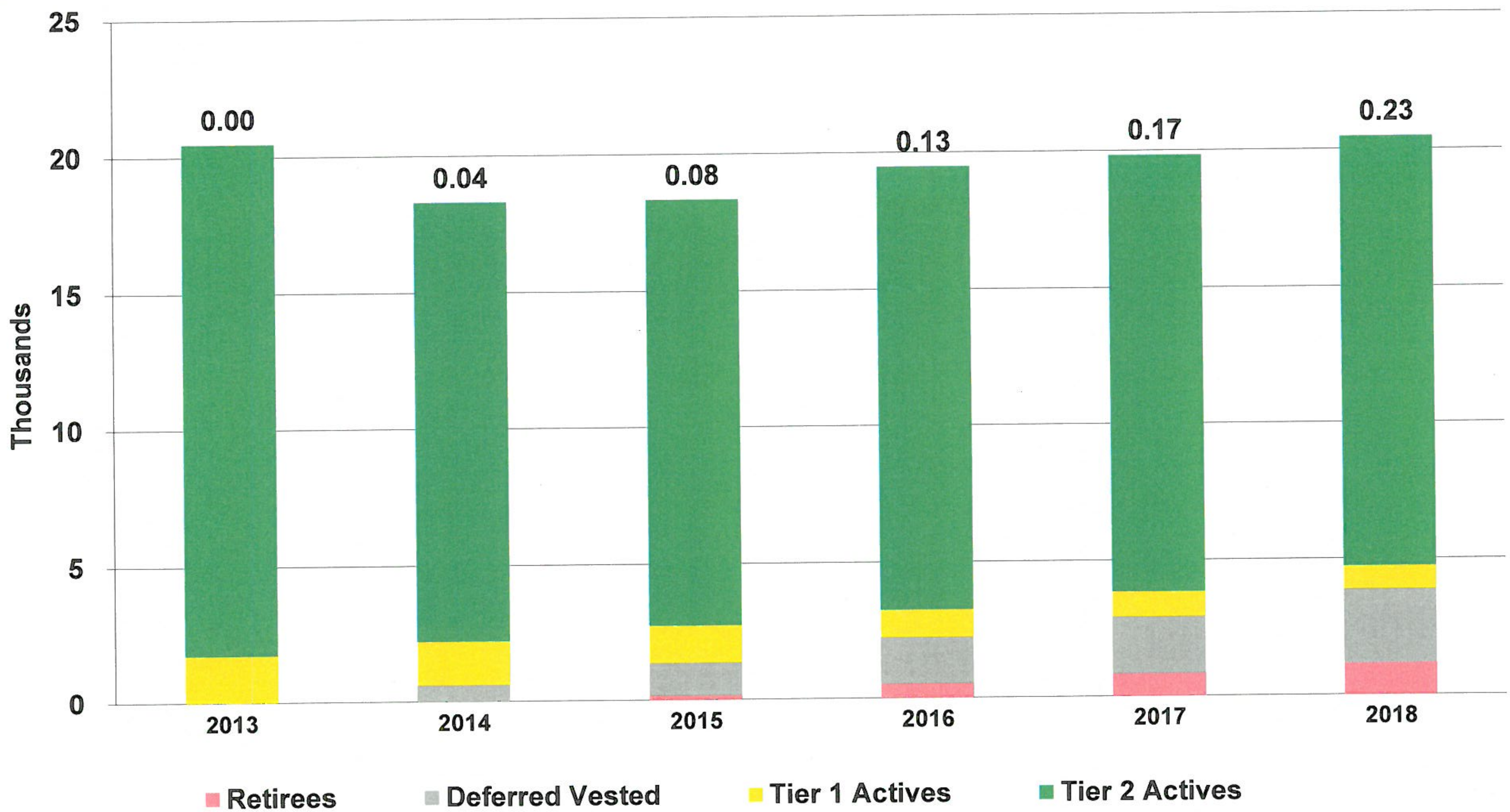
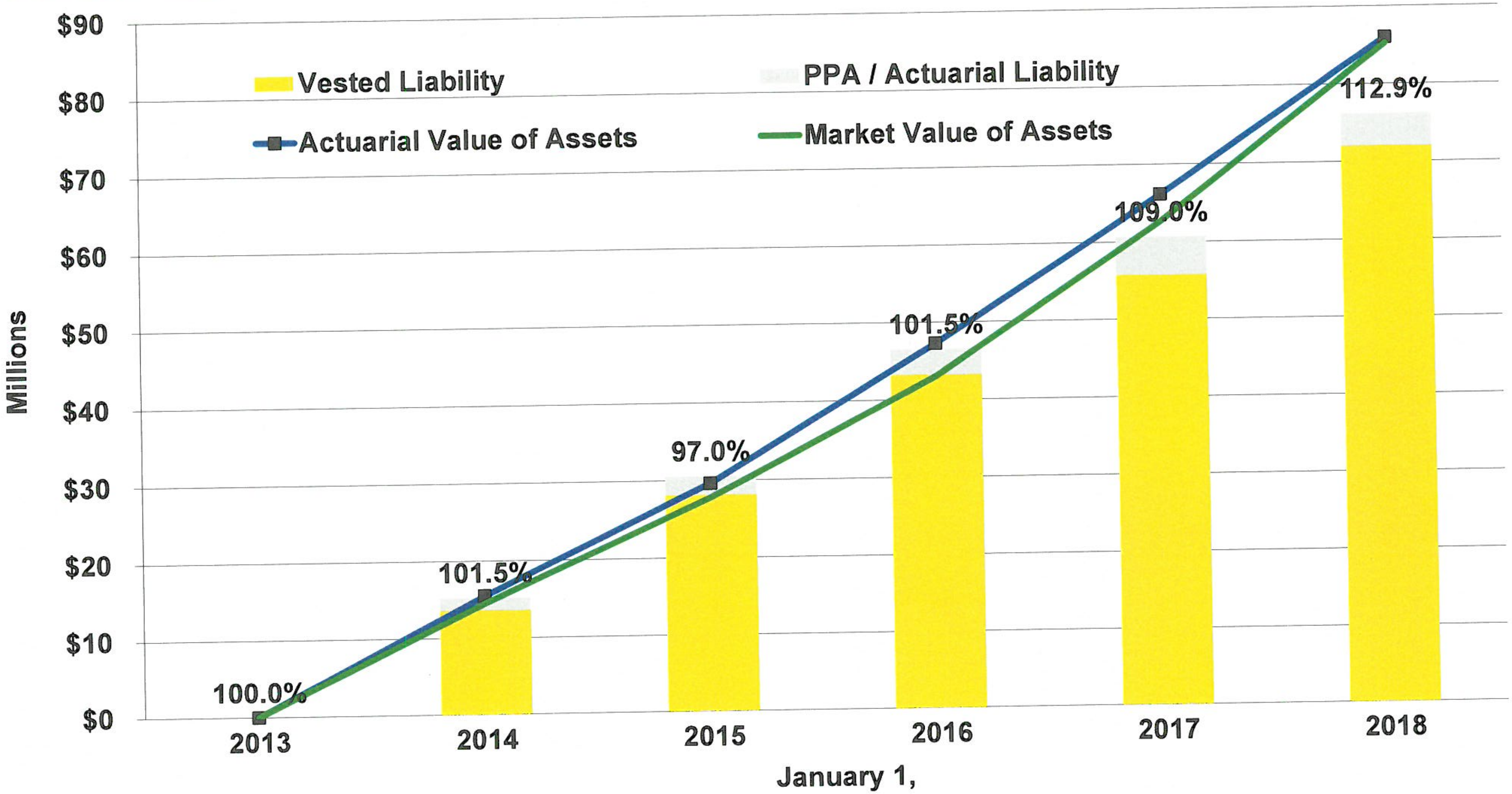
Historical Results - Participants



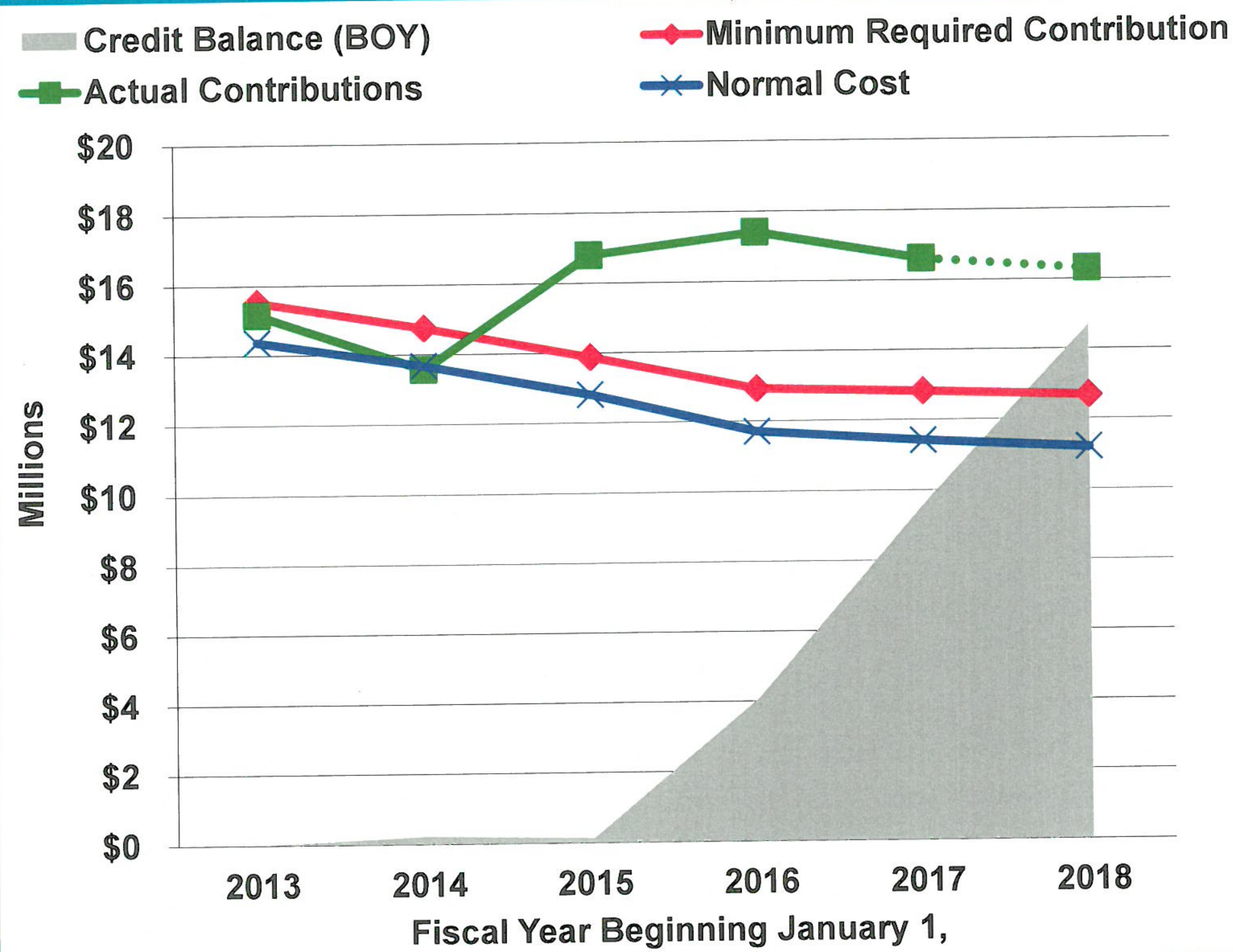
Ratio above the bars represents the number of inactives for every one active.

Historical Results - Assets vs Liabilities



Funded status shown based on Actuarial Value of Assets. January 1, 2018 shown prior to any consideration of changing discount rate from 8%.

Historical Results - Minimum Funding



Summary of Principal Results

Valuation Results ($ amounts in millions)	1/1/2017 Valuation Results 8.0%	1/1/2018 Valuation Results 8.0%	1/1/2018 Valuation Results 7.5%
1. Actuarial Liability	$ 60.7	$ 76.1	$ 81.0
2. Actuarial Value of Assets (AVA)	66.1	85.9	85.9
3. Unfunded Actuarial Liability [1. – 2.]	$ (5.6)	$ (9.8)	$ (4.9)
4. Funded Status (using AVA) [2. ÷ 1.]	109.0%	112.9%	106.1%
5. Market Value of Assets (MVA)	$ 62.7	$ 85.2	$ 85.2
6. Funded Status (using MVA) [5. ÷ 1.]	103.3%	111.9%	105.2%
7. Vested Liability for Withdrawal Liability	$ 55.7	$ 72.0	$ 76.7
8. Unfunded Vested Benefit Liability [5. – 7.]	$ (7.0)	$ (13.2)	$ (8.5)
Minimum to Maintain Credit Balance	$ 12.8	$ 12.7	$ 14.1
Actual '17 / *Expected* '18 Contribution	$ 16.6	$ *16.3*	$ *16.3*

Summary of Principal Results

Table II-4
Investment Gains/(Losses)

Item	Market Value	Actuarial Value
January 1, 2017 Value	$ 62,675,364	$ 66,126,587
2017 Employer Contributions	16,613,429	16,613,429
2017 Benefit Payments	(1,392,440)	(1,392,440)
Expected Investment Earnings (8%)	5,611,156	5,887,254
Expected Value December 31, 2017	$ 83,507,509	$ 87,234,830
Investment Gain / (Loss)	$ 1,689,634	$ (1,307,145)
January 1, 2018 Value	85,197,143	85,927,685
Return	10.39%	6.21%

Table III-3
Changes in Actuarial Liabilities

Liabilities as of January 1, 2017	$ 60,656,739
Liabilities as of January 1, 2018	$ 76,104,834
Liability Increase (Decrease)	15,448,095
Change due to:	
Benefit Accruals	$ 11,414,290
Benefit Payments	(1,392,440)
Increase for Interest	5,711,057
Experience (Gains)/Losses	(284,812)
Changes in Assumptions	0
Plan Amendments	0
Total	$ 15,448,095

If 2018 Investment Return = 0%

Projected 1/1/2019 Results ($ amounts in millions)	8.0% Discount Rate	7.5% Discount Rate
Assumed Investment Return for 2018	0.0%	0.0%
1. Estimated 1/1/2019 Actuarial Liability	$ 91.9	$ 97.6
2. Estimated 1/1/2019 Market Value of Assets	99.2	99.2
3. Unfunded Actuarial Liability [1. – 2.]	$ (7.3)	$ (1.6)
4. Funded Status (using MVA) [2. ÷ 1.]	108.0%	101.6%
5. 12/31/2018 Est. Vested Liability for Withdrawal Liability	$ 86.9	$ 92.4
6. Unfunded Vested Benefit Liability [5. – 6.]	$ (12.3)	$ (6.8)

Per IPS, investment return approximately -0.3% through October 31.

Assumptions and Methods/Reliance

The purpose of this presentation is to present the January 1, 2018 Actuarial Valuation results to the Mid-Atlantic UFCW & Participating Employers Pension Fund Board of Trustees. Other users of this valuation report are not intended users as defined in the Actuarial Standards of Practice, and Cheiron assumes no duty or liability to any such other users.

The assumptions reflect our understanding of the likely future experience of the Fund and the assumptions taken individually represent our best estimate for the future experience of the Fund. The results of this presentation are dependent upon future experience conforming to these assumptions. Future valuation reports may differ significantly from the current results presented in this presentation due to such factors as the following: plan experience differing from that anticipated by the assumptions; changes in assumptions; and changes in plan provisions or applicable law. For complete details on the assumptions and methods, refer to the January 1, 2017 Actuarial Valuation Report.

In preparing our presentation, we relied on information (some oral and some written) supplied by the auditor and Fund Office. This information includes, but is not limited to, the plan provisions, employee data, and financial information. We performed an informal examination of the obvious characteristics of the data for reasonableness and consistency in accordance with Actuarial Standard of Practice No. 23.

To the best of our knowledge, this presentation and its contents have been prepared in accordance with generally recognized and accepted actuarial principles and practices which are consistent with the Code of Professional Conduct and applicable Actuarial Standards of Practice set out by the Actuarial Standards Board. Furthermore, as credentialed actuaries, we meet the Qualification Standards of the American Academy of Actuaries to render the opinion contained in herein. This presentation does not address any contractual or legal issues. We are not attorneys, and our firm does not provide any legal services or advice.

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