

**Actuarial Valuation Report**

**for the**

**United States Army  
Nonappropriated Fund  
Employee Retirement Plan**

**as of October 1, 2013**

**Produced by [Cheiron](#)**

**March 2014**

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March 28, 2014

Mr. Robert Ramsey, Sr.  
Chief, NAF Employee Benefits Office  
Family and MWR Command  
P.O. Box 340309  
Fort Sam Houston, TX 78234

Dear Mr. Ramsey:

At your request, we have conducted our annual actuarial valuation of the United States Army Nonappropriated Fund Employee Retirement Plan as of October 1, 2013. The results of the valuation are contained in the following report. The purpose of this report is to present the annual actuarial valuation of the United States Army Nonappropriated Fund Employee Retirement Plan. This report is for the use of the United States Army Nonappropriated Fund Employee Retirement Plan and its auditors in preparing financial reports in accordance with applicable law and accounting requirements.

To the best of our knowledge, this report 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 this report. This report does not address any contractual or legal issues. We are not attorneys and our firm does not provide any legal services or advice.

This actuarial report was prepared exclusively for the United States Army Nonappropriated Fund Employee Retirement Plan for the purpose described herein. This valuation report is not intended to benefit any third party, and Cheiron assumes no duty or liability to any such party.

Sincerely,



Kevin J. Woodrich, FSA, EA, MAAA  
Principal Consulting Actuary



Janet H. Cranna, FSA, FCA, EA, MAAA  
Principal Consulting Actuary

cc: Alison Chafin, ASA



## FOREWORD

Cheiron has performed the actuarial valuation of the United States Army Nonappropriated Fund Employee Retirement Plan as of October 1, 2013. The purpose of this report is to:

- 1) **Determine the contributions** to be paid to the Plan for the fiscal year beginning one year after the valuation date;
- 2) **Measure and disclose**, as of the valuation date, the financial condition of the Plan;
- 3) **Indicate trends** in the financial progress of the Plan; and
- 4) **Provide specific information** and documentation required by P.L. 95-595.

An actuarial valuation establishes and analyzes Plan assets and liabilities on a consistent basis, and traces the progress of both from one year to the next. It includes measurement of the Plan's investment performance as well as an analysis of Actuarial Liability gains and losses.

**Section I** presents a summary containing our findings and discloses important trends experienced by the Plan in recent years, as well as projections of the Plan under differing assumed future investment returns.

**Section II** contains various exhibits used in determining the financial condition of the Plan.

**Section III** includes the required disclosures and specific information required by P.L. 95-595.

Within Section III of this report is a summary of the Plan's membership at the valuation date, a summary of the major provisions of the Plan, and the actuarial methods and assumptions used in the valuations.

In preparing our report, we relied on information (some oral and some written) supplied by the Employee Benefits Office, John Hancock Mutual Life Insurance Company, and Ameritas. 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 #23.

The actuarial assumptions used in performing this valuation have been recommended by the actuary in the most recent review of the Plan's experience completed concurrently with the October 1, 2005 actuarial valuation. However, the mortality assumption was modified beginning with this year's valuation to include a margin for future improvement as prescribed by the Actuarial Standards of Practice. The results of this report are dependent upon future experience conforming to these assumptions. To the extent that future experience deviates from these assumptions, the true cost of the Plan could vary from our results.

Finally, in preparing this report, we have conformed to generally 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.

## SECTION I SUMMARY

### Comments

In this section, we first discuss the trends of the Plan over the past fifteen years, and then show projections of the contribution rate and funding status. Please remember that these projections make certain assumptions about future investment returns, future salary increases, future inflation, future contribution levels, and future behavior of plan participants. We cannot know what will actually happen, but these projections should provide a better understanding of the Plan's dynamics. Future experience of the Plan, particularly the financial market performance, will greatly impact what future contributions are necessary.

For the fiscal year ending September 30, 2014, employers are contributing to the Plan at the rate of 7.60% of payroll. For the fiscal year ending September 30, 2015, the underlying value of benefits being accumulated is 6.66% of payroll (net of the 2.00% employee contribution). The actuarial employer contribution rate, which includes the value of the benefits being accumulated plus the 15-year level amortization of the Unfunded Actuarial Liability (UAL), is about 8.65% of payroll for Fiscal Year 2014-15. The amounts and rates on the tables found on pages 28 and 29, respectively, reflect a 40 year amortization of the UAL. However, these are not indicative of the Plan's funding goals but rather our understanding of the information to be disclosed under PL 95-595. If this is incorrect, please let us know and we will modify these tables accordingly. Finally, our analysis shows that the current employer contribution rate of 7.60% is anticipated to marginally increase the funded ratio over time if all actuarial assumptions are exactly realized, as evidenced by the long term funding projections shown later in this section.

### Recent Experience

The financial markets performed above our assumption during the fiscal year ending September 30, 2013. The actual return net of investment expenses on a Market Value basis was approximately 16.77% compared with an assumed rate of return of 8.00%. The return on an Actuarial Value basis, which smooths recent market fluctuations, was approximately 8.30%, which equated to an investment gain of \$3.3 million on an actuarial basis.

On the liability side, the Plan's experience resulted in an actuarial gain of \$49.0 million (approximately 3.8% of the total Actuarial Liability). This liability gain was primarily attributable to salaries increasing less than assumed (\$48.4 million gain). In addition, the mortality table was changed to incorporate a margin for future improvement. This change in assumption increased the Actuarial Liability by \$17.0 million, which increased the actuarial employer contribution rate by 0.45%.

The combination of liability and investment experience over the last year has produced an increase in the Plan's funding ratio (Actuarial Value of Assets divided by Actuarial Liability) from 89.7% at October 1, 2012 to 93.1% at October 1, 2013.

### Trends

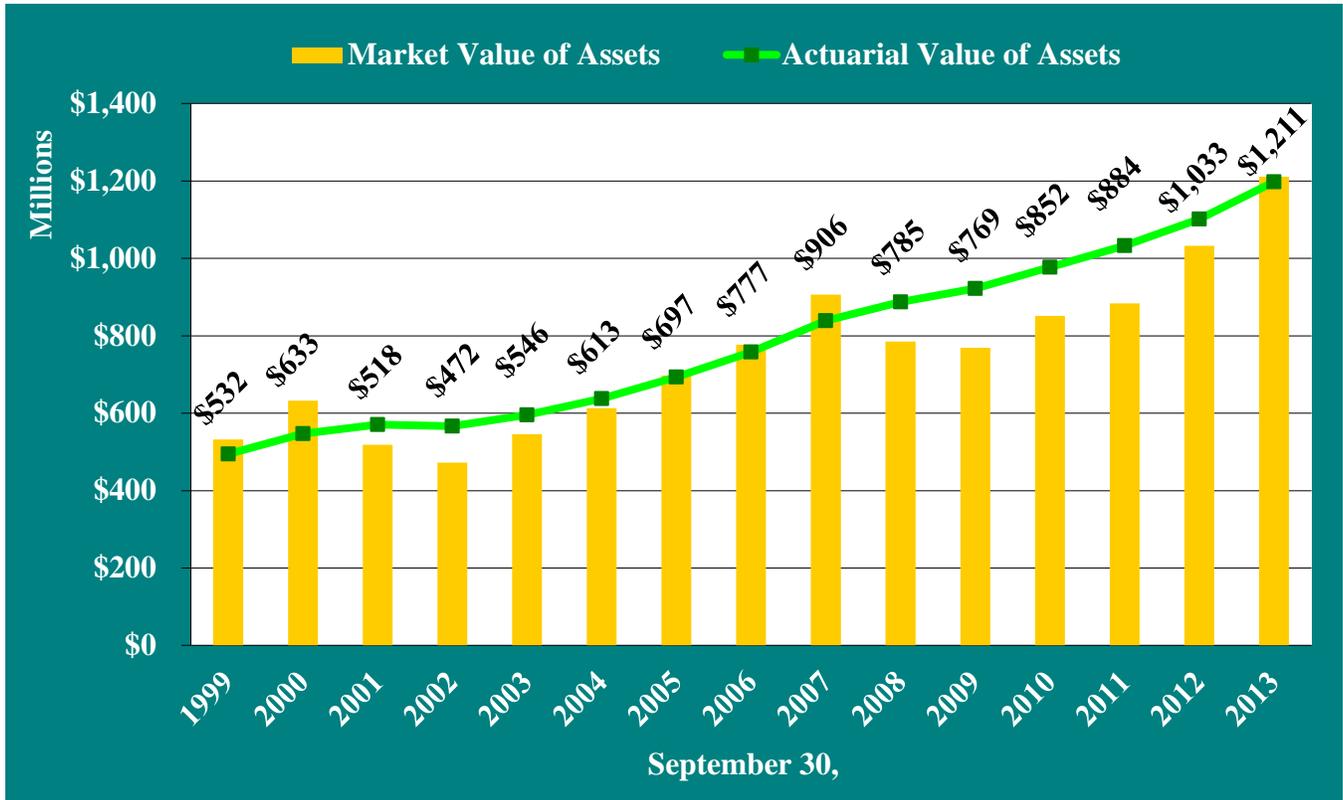
We think it is important to take a step back from these latest results and view them in the context of the Plan's recent history. On the following pages we present a series of charts which display key factors of the valuations in previous years.

**UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2013**

**SECTION I  
SUMMARY**

Growth in Assets

This chart compares the Market Value of Assets (MVA) and the Actuarial Value of Assets (AVA). The AVA are market values which have been “smoothed” based on actuarial methods used to estimate long-term asset values. This asset value is used for evaluating the Plan’s ongoing liability to meet its obligations. Note how the actuarial smoothing technique has provided a smoother progression of assets over the last 15 years.



The downward trend in Market Value of Assets due to the bear market was reversed in 2003 and the Market Value had continued to rebound up until 2008 and 2009. It has increased in each of the past four years. The Actuarial Value of Assets of \$1,198 million as of September 30, 2013 is slightly less than the Market Value of \$1,211 million as of the same date.

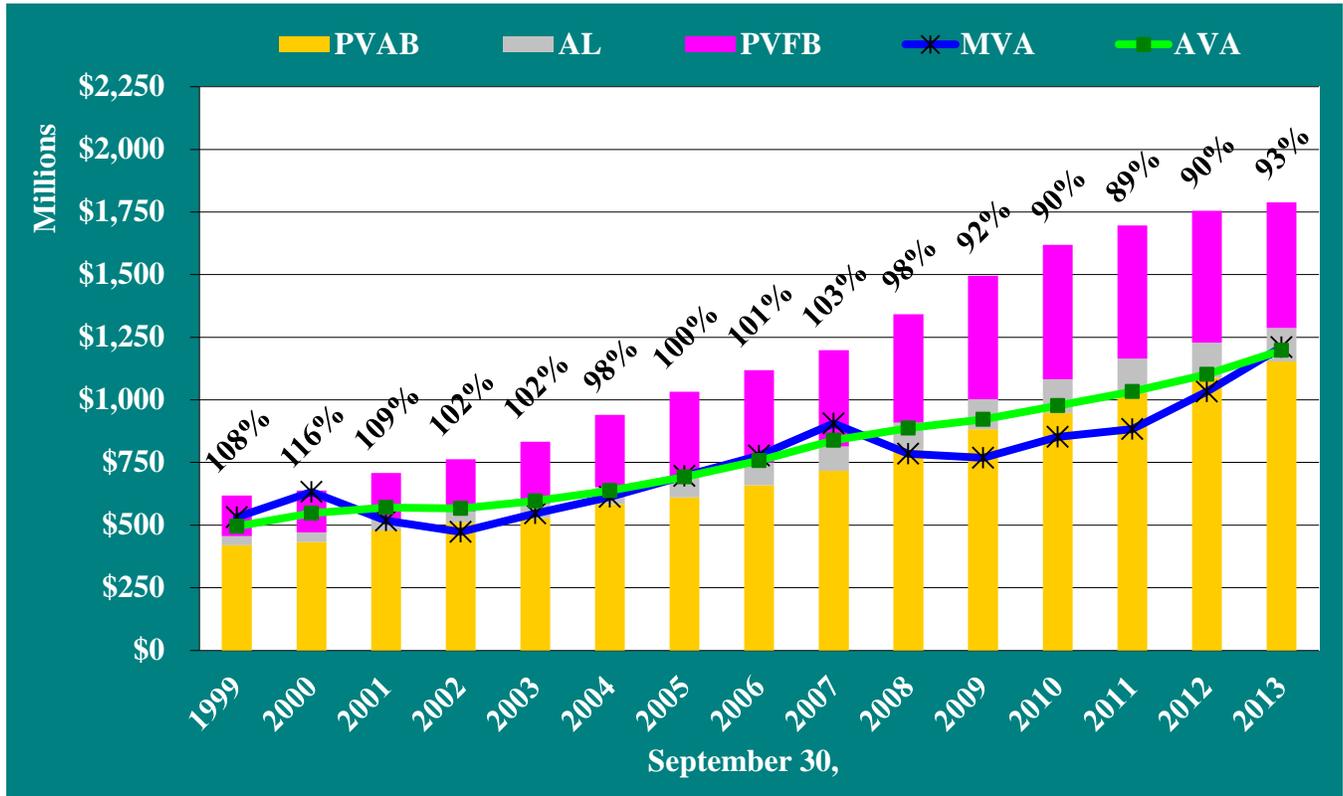
Over the period October 1, 2012 to September 30, 2013, the Plan’s assets returned 16.77% when measured at Market Value net of investment expenses. The Actuarial Value return was 8.30%, compared to the valuation assumption of 8.00% during that same period.

**UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2013**

**SECTION I  
SUMMARY**

Assets and Liabilities

The three colored bars represent the three different measures of liability mentioned in this report. The amount represented by the top of the pink bars, the Present Value of Future Benefits (PVFB), is the amount needed to provide all benefits for the current participants and their beneficiaries. If the Plan had assets equal to the PVFB, then no future contributions (neither from the employer nor from members) would be needed for the current members if all the assumptions were realized. The Actuarial Liability (AL), a measure for funding purposes, is represented by the top of the gray bar. The AL is the portion of the PVFB which will not be paid by future normal costs. Finally, the top of the yellow bar represents the present value of benefits that participants have accrued as of that date. This measure of liability is often referred to as the Present Value of Accumulated Benefits (PVAB.) For funding purposes, we compare the Actuarial Value of Assets (green line) to the Actuarial Liability in developing the funded percent. These are the percentages shown in the graph labels.



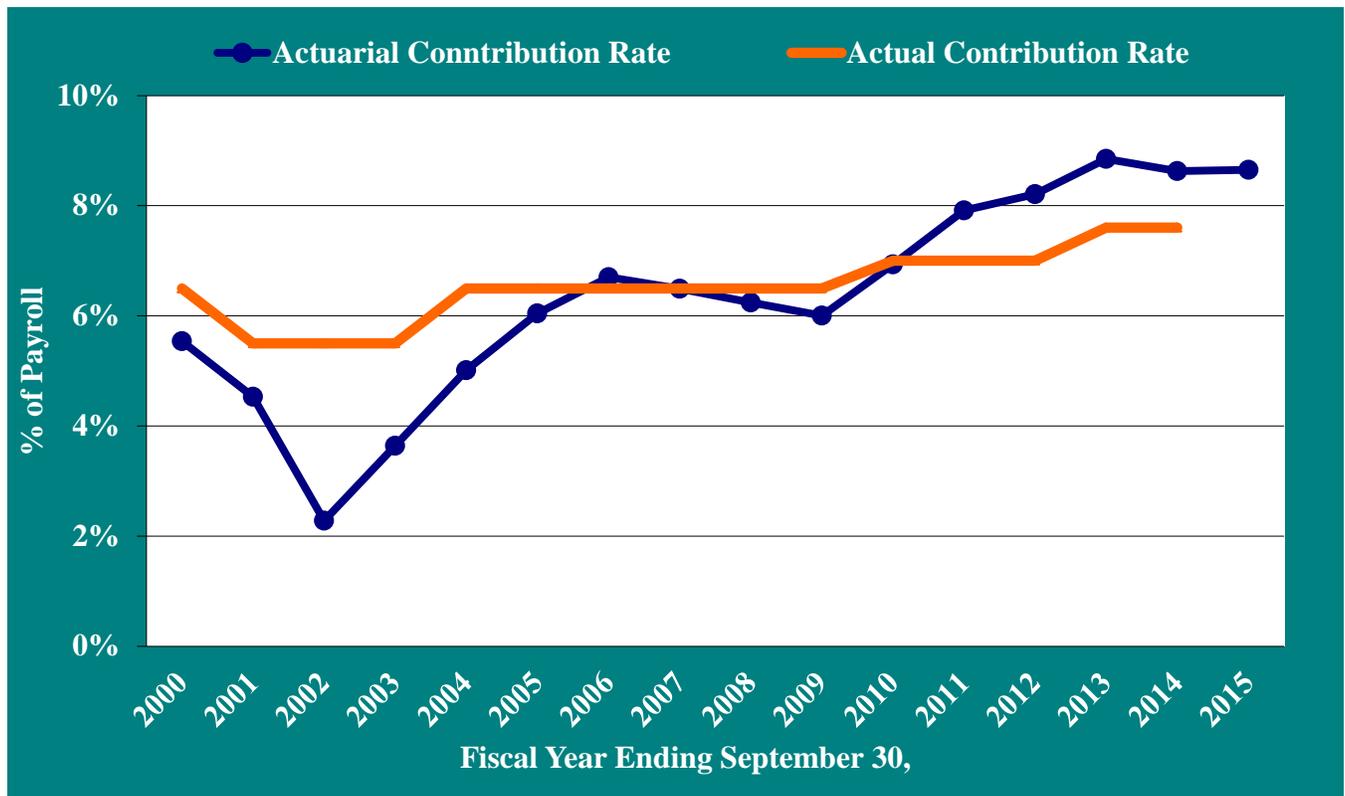
UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2013

SECTION I  
SUMMARY

Contribution Rates

This graph shows the actual employer contribution rate compared to the actuarially calculated contribution rate, denominated as a percent of payroll. The actuarially calculated rate represents the employer normal cost plus 15-year amortization of any unfunded liability (or surplus).

As of the previous valuation, the underlying actuarial rate was expected to increase to 8.83% for the Fiscal Year 2014-15 as the market downturn from 2008 is recognized further. However, the asset and liability experience resulted in the actuarial rate of 8.65% for Fiscal Year 2014-15, which is still above the current employer contribution policy of 7.60%.

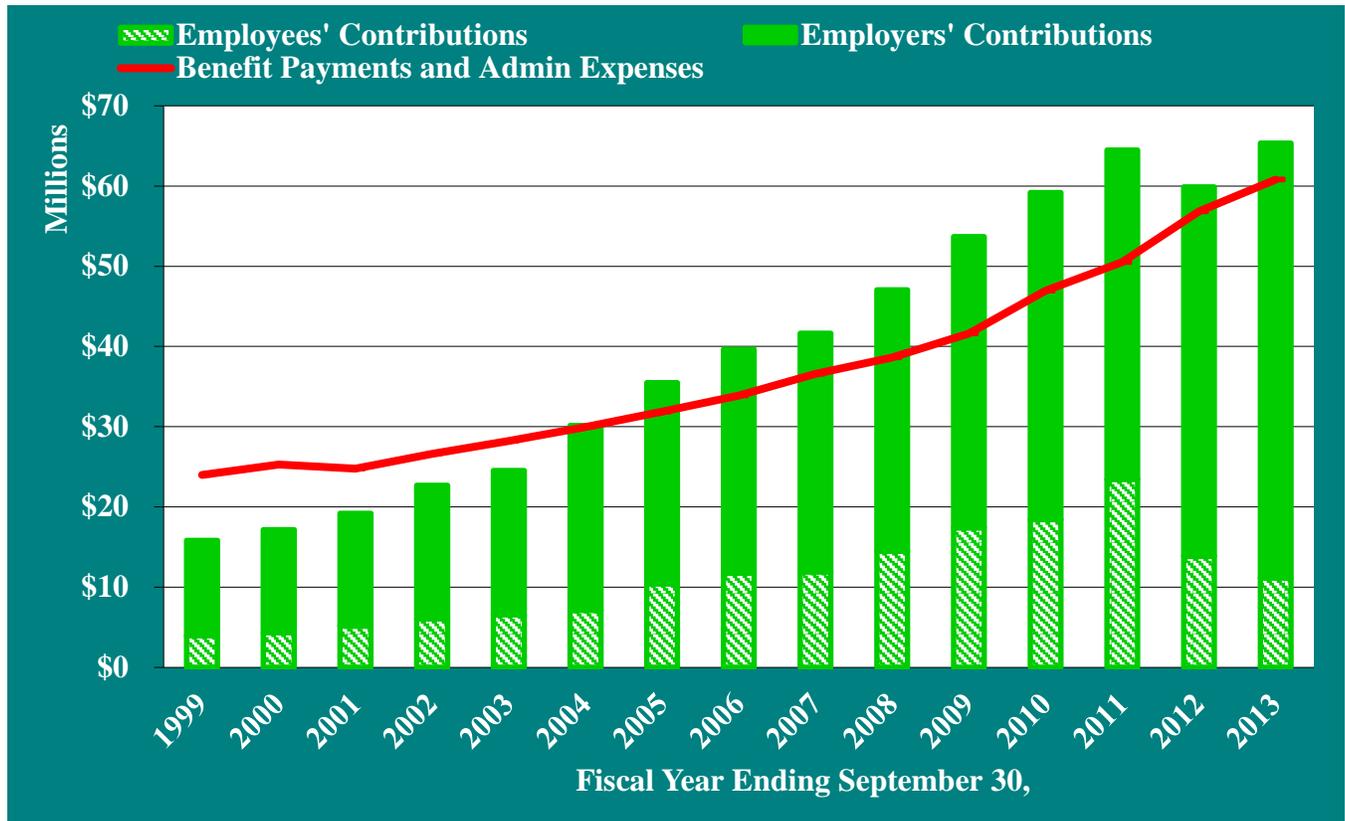


UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2013

SECTION I  
SUMMARY

Cash Flows

This graph shows the historical cash flows of the Plan – employer and member contributions compared to the benefit payments and administrative expenses from the Plan. The Plan is maintaining a positive cash flow since changing to mandatory participation for new hires.



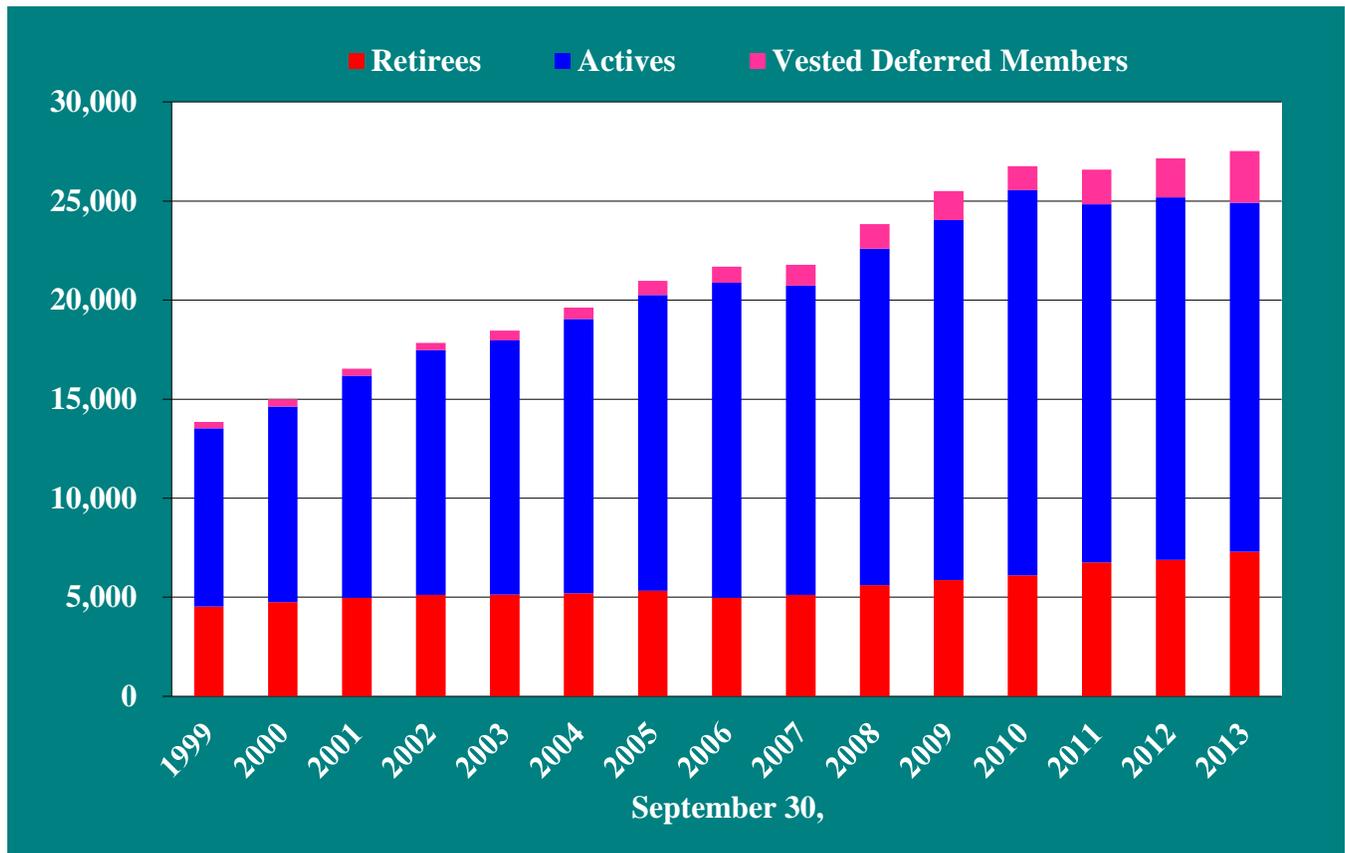
UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2013

SECTION I  
SUMMARY

Participant Trends

As with many funds in this country, there has been a steady growth in the number of retired members as the Plan has matured. The chart also shows that the number of actives covered by the Plan decreased from the prior year.

In addition to the participants shown below, there are 22,601 participants who are no longer working but are entitled to a refund of their employee contribution account balance. These balances represent about \$11.7 million, or 0.91% of the Actuarial Liability.



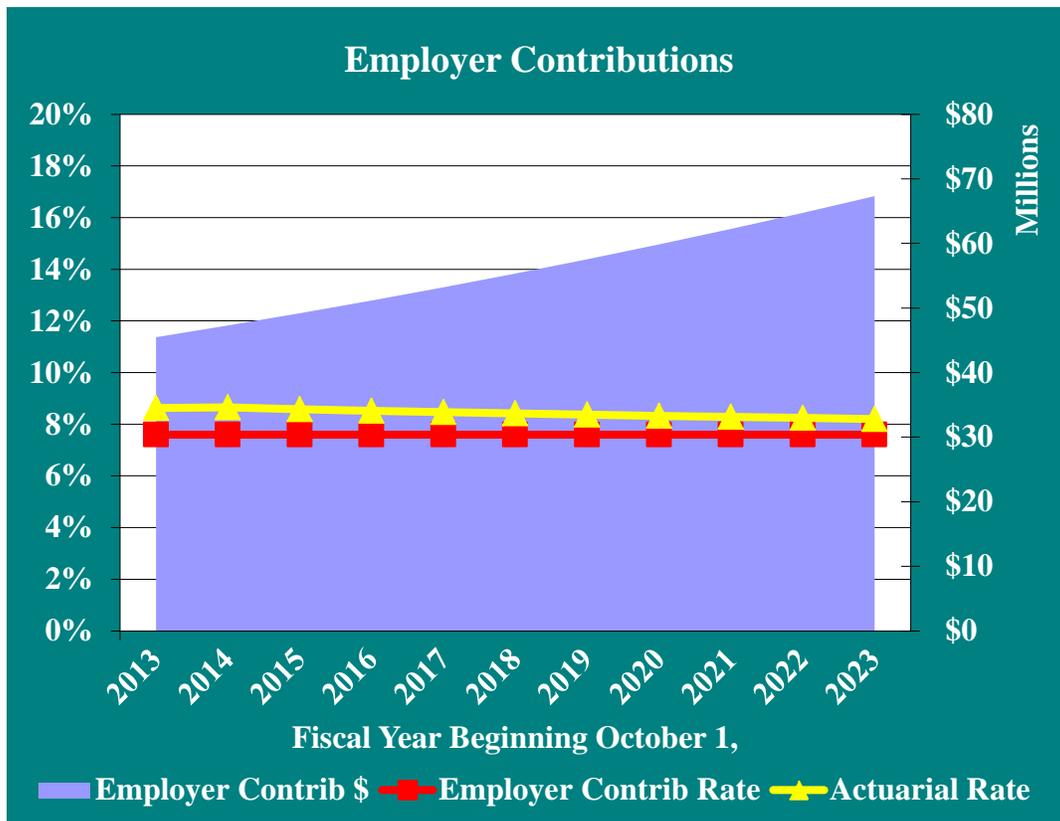
UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2013

SECTION I  
SUMMARY

Future Outlook

Base Line Projection

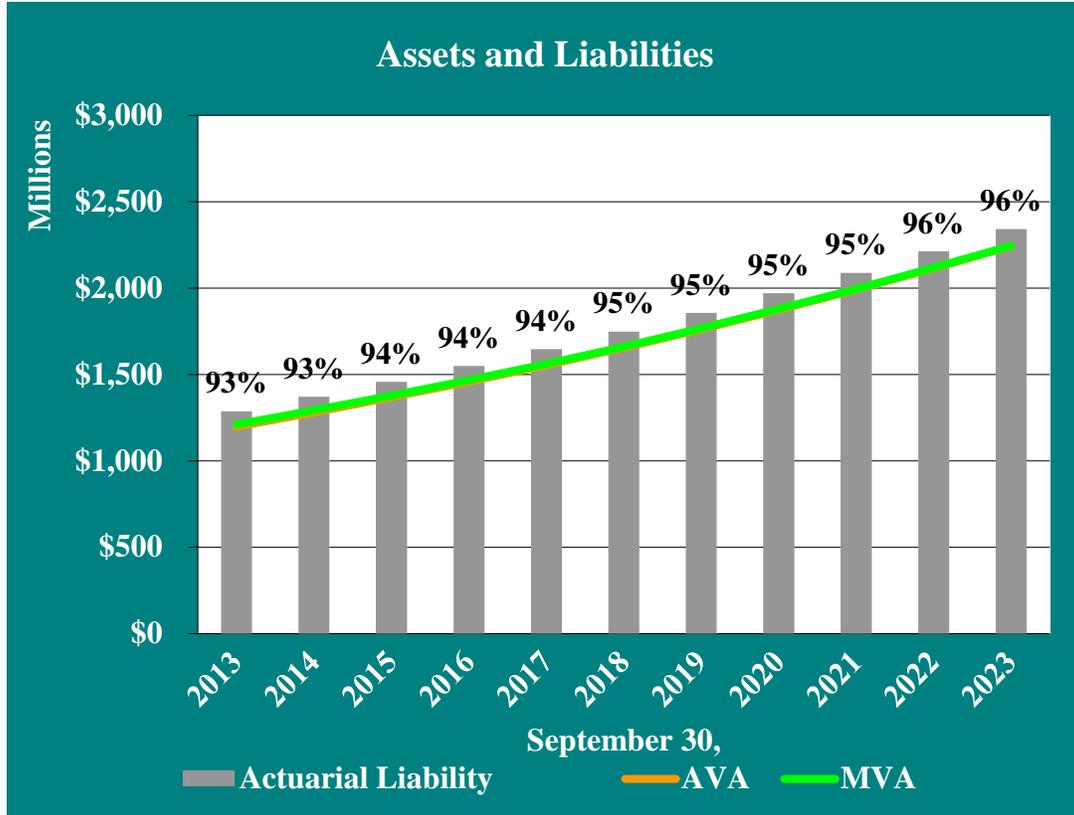
The two charts that follow show the expected progress of the Plan over the next 10 years assuming that the Plan's assets earn 8.00% on their *market value*. The chart entitled Assets and Liabilities shows that the current contribution rate of 7.60% is projected to result in a slight increase in the funded status over this period (if all other actuarial assumptions are met, including the 8.00% investment return). The blue shaded area represents the anticipated dollar amount (aligned with the amounts on the right axis) contributed by the employer at 7.60% of payroll.



UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2013

SECTION I  
SUMMARY

The Assets and Liabilities chart shows the projected funding status over the next decade. The Plan is projected to gradually increase from 93% funded to 96% funded over the decade.

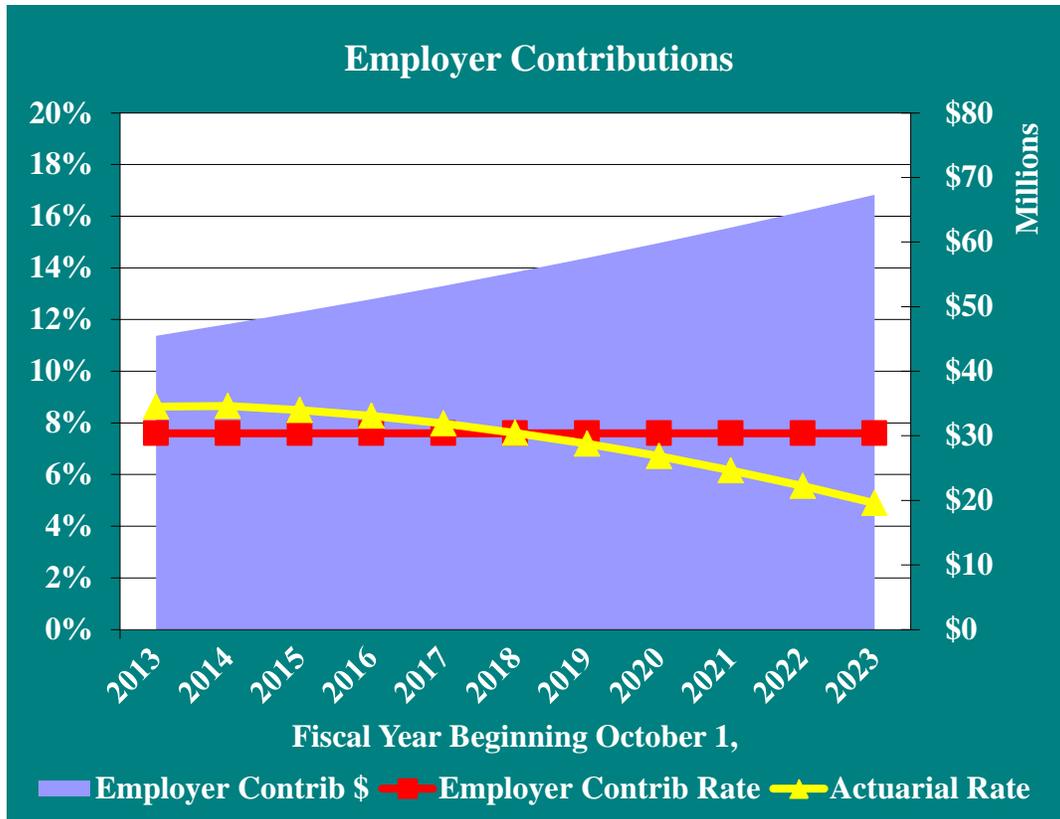


UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2013

SECTION I  
SUMMARY

Projection with Asset Returns of 10%

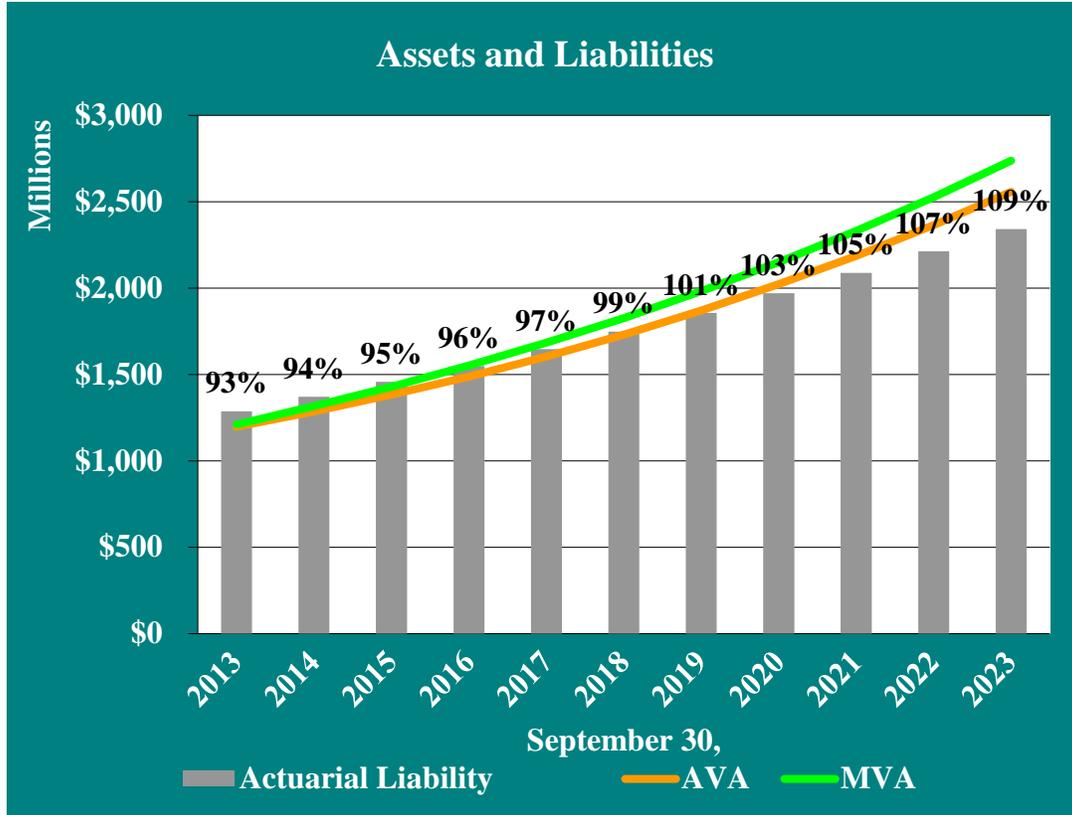
The future funding of this Plan will be largely driven by the investment earnings. Due to the size of assets, as compared to liabilities, the Plan is in a highly leveraged position. This means that changes in the market returns can have significant effects on the Plan's status. The next two charts show what the coming decade would look like with a 10% annual return.



UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2013

SECTION I  
SUMMARY

The Plan's funded status, with these assumed investment returns of 10% per year, is projected to be fully funded by 2019.

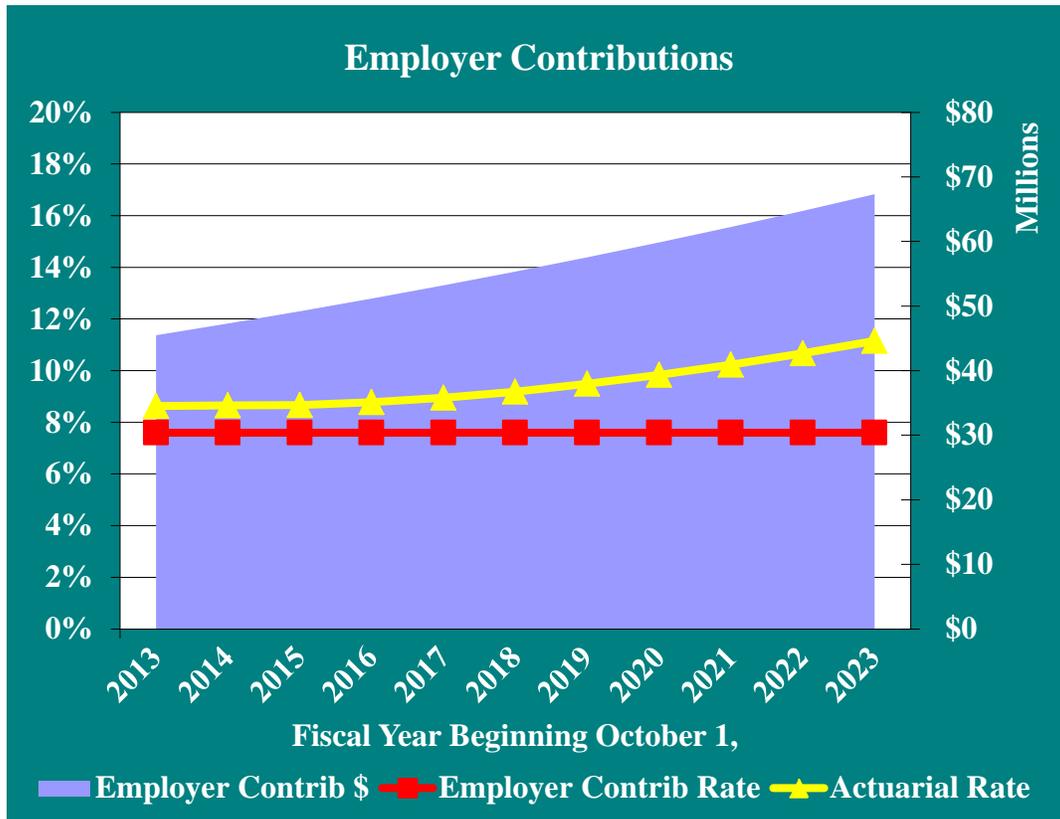


UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2013

SECTION I  
SUMMARY

Projection with Asset Returns of 6%

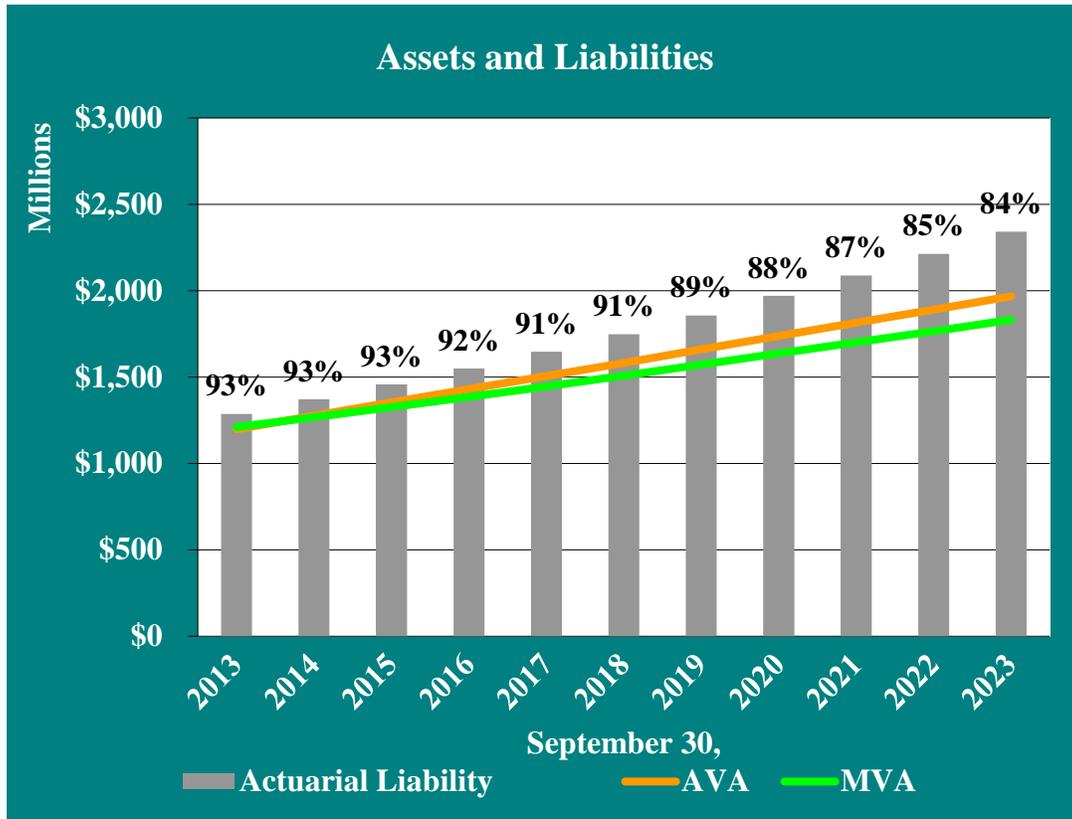
The next two charts show what the coming decade would look like with a 6% annual return. Under this scenario, the current employer contribution rate would not be sufficient to maintain or improve the funded status of the Plan through the end of the decade.



UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2013

SECTION I  
SUMMARY

The Plan's funded status, with these assumed investment returns of 6% per year, is projected to steadily drop from the current 93% down to around 84% unless contributions are increased or benefits are adjusted.



UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2013

**SECTION I  
SUMMARY**

<b>Exhibit I-1</b>			
<b>Summary of Principal Results</b>			
<b>(\$ in millions)</b>			
	October 1, 2013	October 1, 2012	% Change
<b><u>Participant Data</u></b>			
(a) Retired Members and Beneficiaries*	7,298	6,877	6.1%
(b) Vested Deferred Members	2,606	1,963	32.8%
(c) Non-Vested Participants Due Account Balance	22,601	20,108	12.4%
(d) Active Members	<u>17,624</u>	<u>18,310</u>	(3.7%)
(e) Total Participants [(a) + (b) + (c) + (d)]	50,129	47,258	6.1%
(f) Annual Salaries of Active Members	\$ 598.4	\$ 640.0	(6.5%)
(g) Annual Retirement Allowances for Retired Members and Beneficiaries	\$ 58.6	\$ 53.7	9.1%
<b><u>Assets and Liabilities</u></b>			
(h) Present Value of Future Benefits	\$ 1,789.4	\$ 1,754.6	2.0%
(i) Actuarial Liability	\$ 1,287.1	\$ 1,228.1	4.8%
(j) Actuarial Value of Assets	\$ 1,197.7	\$ 1,101.5	8.7%
(k) Unfunded Actuarial Liability [(i) - (j)]	\$ 89.4	\$ 126.6	(29.4%)
(l) Funding Ratio on Actuarial Basis [(j) ÷ (i)]	93.1%	89.7%	3.4%
(m) Present Value of Accumulated Plan Benefits	\$ 1,153.9	\$ 1,089.0	6.0%
(n) Market Value of Assets	\$ 1,211.0	\$ 1,032.9	17.2%
<b><u>Contribution Results</u></b>			
(o) Total Annual Normal Cost with Expenses	\$ 51.6	\$ 51.8	(0.4%)
(p) Expected Employee Contributions	(12.0)	(12.8)	(6.3%)
(q) UAL Amortization	9.7	13.7	(29.2%)
(r) Interest to Middle of Year	<u>2.4</u>	<u>2.6</u>	(7.7%)
(s) Actuarial Contribution [(o) + (p) + (q) + (r)]	\$ 51.7	\$ 55.3	(6.5%)
(t) As a % of Payroll	8.65%	8.63%	0.02%

\* Includes 70 participants receiving benefits from Ameritas Life Insurance Corporation as of 10/1/2012 and 62 as of 10/1/2013. Cost of living increases granted after 1980 for these 62 participants total \$189,269 per year with an Actuarial Liability of \$852,365 as of 10/1/2013. The Actuarial Liability for these increases is included above.

UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2013

**SECTION II**  
**STATUTORY VALUATION EXHIBITS**

**EXHIBIT II-1**  
**DEVELOPMENT OF ACTUARIAL VALUE OF ASSETS**

1. Actuarial Value of Assets as of October 1, 2012	\$ 1,101,507,602
2. Amount in (1) with interest to September 30, 2013	1,189,628,210
3. Employer and Employee Contributions for Plan Year ended September 30, 2013	65,313,651
4. Interest on Contributions assuming payments made uniformly throughout the year to September 30, 2013	2,562,286
5. Disbursements from Trust except investment expenses, October 1, 2012 through September 30, 2013	60,801,826
6. Interest on disbursements made uniformly throughout the year to September 30, 2013 at 8.00% per year	<u>2,385,285</u>
7. Expected Actuarial Value of Assets as of September 30, 2013 = (2) + (3) + (4) - (5) - (6)	\$ 1,194,317,036
8. Actual Market Value of Assets at September 30, 2013	\$ 1,210,995,515
9. Excess of (8) over (7)	\$ 16,678,479
10. Pro-forma Actuarial Value of Assets at September 30, 2013 = (7) + 20% of (9)	\$ 1,197,652,732
11. Maximum value = 1.20 x (8)	\$ 1,453,194,618
12. Minimum value = 0.80 x (8)	\$ 968,796,412
13. Actuarial Value of Assets as of September 30, 2013 = (10), but not more than (11) nor less than (12)	\$ 1,197,652,732

UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2013

**SECTION II**  
**STATUTORY VALUATION EXHIBITS**

**EXHIBIT II-2**  
**EMPLOYER CONTRIBUTION RATE**

1. Actuarial Liability	\$ 1,287,069,279
2. Actuarial Value of Assets	<u>1,197,652,732</u>
3. Unfunded Actuarial Liability [(1) - (2)]	\$ 89,416,547
4. Normal Cost plus Administrative Expenses	51,647,404
5. 15-Year Amortization of Unfunded Actuarial Liability	9,672,680
6. Estimated Employee Contribution	11,967,959
7. Interest on (4) and (5) for Half Year *	<u>2,405,617</u>
8. Net Employer Contribution: (4) + (5) - (6) + (7)	\$ 51,757,742
9. Active Member Payroll	\$ 598,397,927
10. Employer Contribution as a Percentage of Active Member Payroll: (8) / (9)	8.65%

\* Contributions are assumed to be made uniformly throughout the year.

UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2013

**SECTION II  
STATUTORY VALUATION EXHIBITS**

<b>EXHIBIT II-3 TEN YEAR PROJECTION OF RETIREES</b>					
<b>Plan Year Ending 9/30</b>	<b>Current Retirees*</b>	<b>From Deferreds</b>	<b>From Actives</b>	<b>Total Retirees</b>	<b>Annual Benefits**</b>
2014	7,115	259	895	8,269	\$ 71,267,425
2015	6,922	303	1,477	8,702	\$ 75,547,823
2016	6,724	348	2,098	9,170	\$ 80,299,079
2017	6,519	404	2,686	9,609	\$ 85,215,916
2018	6,309	463	3,218	9,990	\$ 90,401,969
2019	6,094	518	3,738	10,350	\$ 93,532,459
2020	5,874	587	4,188	10,649	\$ 99,839,327
2021	5,649	643	4,569	10,861	\$ 106,480,294
2022	5,422	720	4,867	11,009	\$ 112,647,388
2023	5,193	800	5,129	11,122	\$ 119,565,786

\* Includes number of participants and their cost of living benefits to be paid from Ameritas Life Insurance Corporation.

\*\* Assumes that the \$11.7 million in account balances for the 22,601 non-vested participants due a refund of their employee contributions are paid uniformly over next five years.

The projection above is based on the September 30, 2013 census data provided and does not reflect any employees expected to be hired after that.

UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2013

**SECTION II  
STATUTORY VALUATION EXHIBITS**

**EXHIBIT II-4  
SUMMARY OF CENSUS DATA AS OF OCTOBER 1, 2013**

**A. ACTIVE PARTICIPANTS**

1.	Number		17,624
2.	Total Annual Valuation Payroll (as reported)	\$	598,397,927
3.	Average Age		43.3
4.	Average Credited Service		7.1
5.	Average Annual Pay [2. ÷ 1.]	\$	33,954
6.	Average Accumulated Employee Contributions with Interest	\$	5,595

**B. INACTIVE PARTICIPANTS**

7.	Terminated Vested Participants:		
	a. Number		2,606
	b. Total Monthly Benefit	\$	738,717
	c. Average Monthly Benefit [7b. ÷ 7a.]	\$	283
8.	Currently Retired Participants, Disableds and Beneficiaries:		
	a. Number		7,236
	b. Total Monthly Benefit	\$	4,865,560
	c. Average Monthly Benefit [8b. ÷ 8a.]	\$	672
9.	Participants receiving cost-of-living benefits from Ameritas Life Insurance Corporation:		
	a. Number		62
	b. Total Monthly Benefit	\$	15,772
	c. Average Monthly Benefit [9b. ÷ 9a.]	\$	254
10.	Non-Vested Participants due an Account Balance		
	a. Number		22,601
	b. Balance	\$	11,730,741

UNITED STATES ARMY NONAPPROPRIATED FUND EMPLOYEE RETIREMENT PLAN  
ACTUARIAL VALUATION AS OF OCTOBER 1, 2013

**SECTION II  
STATUTORY VALUATION EXHIBITS**

<b>EXHIBIT II-5</b>						
<b>DATA RECONCILIATION FROM THE PRIOR TO CURRENT VALUATION*</b>						
	<b>Active</b>	<b>Vested</b>				
	<b>Participants</b>	<b>Deferred</b>	<b>Disability</b>	<b>Retirees</b>	<b>Beneficiaries</b>	<b>Total</b>
		<b>Members</b>	<b>Retirements</b>			
<b>October 1, 2012</b>	18,310	1,963	116	5,874	887	27,150
New Hires	2,878	N/A	N/A	N/A	N/A	2,878
Died or Terminated without a Vested Benefit	(2,447)	N/A	N/A	N/A	N/A	(2,447)
Vested Termination	(629)	629	0	0	0	0
Died without a Survivor Benefit	N/A	(23)	(3)	(239)	(49)	(314)
Died with a Survivor Benefit	(8)	0	(1)	(37)	46	0
Rehired Inactives	69	(64)	0	(5)	0	0
Disablements	(6)	(3)	10	(1)	0	0
Retirements	(543)	(77)	(8)	628	0	0
Inactives not in Data Last Year	N/A	181	4	64	12	261
<b>October 1, 2013</b>	17,624	2,606	118	6,284	896	27,528

\* No reconciliation was performed for nonvested participants due a refund of their account balance.

SECTION III  
ANNUAL REPORT PRESCRIBED BY P.L. 95-595

Report for Plan Year Ending  
September 30, 2013

Exhibit III-1

General Information Sheet

1. Name of Plan: U.S. Army Nonappropriated Fund Employee Retirement Plan
2. Name and address of plan sponsor:  
  
U.S. Army Community and Family Support Center  
NAF Employee Benefits Office  
P.O. Box 340309  
Fort Sam Houston, Texas 78234
3. Name and phone number of plan administrator (or other responsible plan official):  
  
Robert Ramsey, Sr.  
Chief, NAF Employee Benefits Office  
(210) 466-1620
4. Type of plan entity: Single employer plan
5. Date plan established: January 1, 1966
6. Information on plan participants at beginning of Plan year:  
  
Participant data was collected as of October 1, 2013

Active participants	17,624
Separated employees entitled to deferred benefits	2,606
Retired, disabled and beneficiaries	7,298
Former non-vested participants due an account balance	<u>22,601</u>
Total Participants	50,129
7. Type of plan: Defined benefit pension plan
8. Administrative cost: See Note 4.
9. During the current plan year, the Plan was not merged into nor consolidated with another plan nor were assets or liabilities transferred to another plan.
10. The Plan is funded through BGI U.S. Debt, John Hancock Mutual Life Insurance Co., Janus Midcap, Adams Street Partners, Inc. (former Brinson Partners, Inc.), SSGA International Alpha, Ameritas (former Bankers Life of Nebraska), GMG Seneca, Wells Capital Management Small

**SECTION III**  
**ANNUAL REPORT PRESCRIBED BY P.L. 95-595**

Cap, RREEF America REIT II, UBS - RESA, Artisan International Value, Dodge & Cox International Stock Fund, NYLIM – Large Cap Enhanced Index, T. Rowe Price Large Cap Enhanced, Capital International EMGF, Angelo Gordon Core + Realty, UBS Trumbull TPG Value Fund, Prisma Hedge FOF, Blackstone Hedge, BNY Mellon, SSGA Real Assets Non-Lend Fund, SSGA S&P 500 Flagship, and U.S. Army N.A.F. Retirement Trust (SSGA STIF).

11. The October 1, 2013 valuation was performed based on active, retiree and vested terminated data provided to us as of October 1, 2013.
12. The projected unit credit actuarial cost method was used in completing Tables 1 and 2. A summary of the actuarial methods is attached.
13. Actuarial assumptions:
  1. Economic:
    - (1) Rate of return on plan investments: 8.0% per annum.
    - (2) Ratio of salary expected at normal retirement age (62) to salary for a new entrant at:

	<u>Men</u>	<u>Women</u>
Age 25	7.90	7.90
Age 40	4.37	4.37
Age 55	2.00	2.00

- (3) Inflation Rate (in relation to plan provisions for post-retirement benefit adjustments): 3.5% per annum.
  2. Decrements:
    - (1) Basis of mortality assumptions:

RP-2000 Combined Mortality projected with Scale AA to 2010 (Exhibit B) for active, terminated vested, healthy annuitants, and beneficiaries.

RP-2000 Disabled Mortality projected with Scale AA to 2010 (Exhibit B) for disabled annuitants.

Past experience has shown mortality assumptions to be very close to the prior assumption (RP-2000 Mortality Tables projected with Scale AA to 2005). Therefore, projecting the mortality tables above with Scale AA to 2010 reflects some margin for future improvement.
    - (2) (a) Normal retirement age: 62 and 5 years of service.
    - (b) Lowest age at which employee may voluntarily retire with full benefits: age 55 with 30 years of service or age 60 with 20 years of service.

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- (3) Basis of withdrawal assumptions:  
Table based on turnover adjusted to reflect Plan's experience.

A summary of the assumptions and changes made since the prior report is attached.

14. A summary of the Plan provisions and changes made since the prior report is attached.

\*\*\*\*\*

I declare that I have examined this report, including accompanying tables and statements, and to the best of my knowledge and belief it is true, correct and complete.

Signature of Plan Administrator:

\_\_\_\_\_  
Robert Ramsey, Sr.  
Chief, NAF Employee Benefits Office

Date:

\_\_\_\_\_

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Exhibit III-2

**Statement of Enrolled Actuary**

This report has been prepared pursuant to P.L. 95-595 for the year ending September 30, 2013. To the best of my knowledge, the report is complete and accurate. It should be noted, however, that the asset information shown has not been audited by Cheiron, Inc. In addition, the liabilities shown in this report are from the United States Army Nonappropriated Retirement Plan Valuation Report as of October 1, 2013 as prepared by Cheiron, Inc. In my opinion, the actuarial assumptions appear to be in the aggregate reasonable related to the experience of the Plan and to reasonable expectations, and represent my best estimate of anticipated experience under the Plan.

Signature:



Kevin Woodrich, FSA, EA, MAAA  
Enrolled Actuary  
#11-7086  
Cheiron, Inc.  
9115 Harris Corners Parkway, Suite 380  
Charlotte, NC 28269

Date: March 28, 2014

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**EXHIBIT III-3**  
**STATEMENT OF NET ASSETS AVAILABLE FOR BENEFITS**

	<u>September 30, 2013</u>	<u>September 30, 2012</u>
<b>Assets</b>		
Investments, at fair value		
Deposit administration contracts, at contract value (Notes 1 and 2)		
John Hancock Mutual Life Insurance Co.	\$ 9,556,167	\$ 13,405,031
BGI U.S. Debt	41,762,075	42,422,539
Janus Midcap	71,337,934	55,220,080
Ameritas (Bankers Life of Nebraska)	98,348	116,543
Adams Street Partners, Inc (formerly Brinson)	106,300,992	93,687,412
SSGA International Alpha	98,214,443	76,343,326
Wells Capital Management Small Cap	76,043,578	58,017,857
GMG Seneca	46,035,630	46,312,744
RREEF America REIT II	35,235,066	31,774,246
UBS - RESA	43,328,916	40,965,348
Artisan International Value	79,508,423	60,258,398
Dodge & Cox Intl. Stock Fund	74,995,981	50,598,999
NYLIM - Large Cap Enhanced Index	13,538	92,377
T. Rowe Price Lg Cap Enhanced	182,314,117	151,699,905
Capital International EMGF	36,241,999	35,016,703
Angelo Gordon Core + Realty	6,051,127	3,162,014
UBS Trumbull TPG Value Fund	25,737,335	21,674,573
Prisma Hedge FOF	10,876,410	9,982,821
Blackstone Hedge	44,188,640	40,944,120
BNY Mellon	26,195,475	25,329,975
SSGA Real Assets Non-Lend Fund	25,423,533	26,906,809
SSGA S&P 500 Flagship	164,469,941	121,848,766
U.S. Army N.A.F. Ret. Trust (SSGA STIF)	<u>1,573,883</u>	<u>12,062,347</u>
Total Investments	\$ 1,205,503,551	\$ 1,017,842,933
Receivables		
Employer and employee contributions	\$ 3,742,776	\$ 3,501,476
Interest Receivable	2,553	6,301
Accounts Receivable	736,611	783,417
Total	<u>\$ 4,481,940</u>	<u>\$ 4,291,194</u>
Cash on deposit with U.S. Army Banking and Investment Fund (Note 3)	<u>\$ 2,714,996</u>	<u>\$ 13,301,354</u>
Total Assets	\$ 1,212,700,487	\$ 1,035,435,481
<b>Liabilities</b>		
Accounts payable and accrued liabilities	<u>1,704,972</u>	<u>2,564,209</u>
Net Assets Available for Benefits	\$ 1,210,995,515	\$ 1,032,871,272

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**EXHIBIT III-4**  
**STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS**

	<u>September 30, 2013</u>	<u>September 30, 2012</u>
1. Net assets available for benefits at beginning of Plan year	\$ 1,032,871,272	\$ 883,523,696
2. Investment Income:		
(a) Net appreciation (depreciation) in fair value of investments	\$ 153,340,812	\$ 129,752,633
(b) Interest	11,871,676	13,973,975
(c) Other income	12,440,761	6,723,409
(d) Less: Investment expenses	<u>4,040,831</u>	<u>4,116,530</u>
(e) Total	\$ 173,612,418	\$ 146,333,487
3. Contributions: (Note 5)		
(a) Employer	\$ 54,177,103	\$ 46,019,610
(b) Employee	<u>11,136,548</u>	<u>13,827,382</u>
(c) Total	\$ 65,313,651	\$ 59,846,992
4. Total additions (2) + (3)	\$ 238,926,069	\$ 206,180,479
5. Benefits paid directly to participants		
(a) Refunds	\$ 2,789,189	\$ 2,780,834
(b) Annuities	<u>56,185,096</u>	<u>52,275,078</u>
(c) Total	\$ 58,974,285	\$ 55,055,912
6. Administrative Expenses	\$ 1,827,541	\$ 1,776,991
7. Total deductions (5) + (6)	\$ 60,801,826	\$ 56,832,903
8. Net additions (deductions): (4) - (7)	\$ 178,124,243	\$ 149,347,576
9. Net assets available for benefits at end of Plan year: (1) + (8)	\$ 1,210,995,515	\$ 1,032,871,272

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EXHIBIT III-5  
 STATEMENT OF PRESENT VALUE OF ACCUMULATED PLAN BENEFITS

	<u>September 30, 2013</u>	<u>September 30, 2012</u>
<u>Present Value of Accumulated Plan Benefits</u>		
Vested Benefits		
Participants Currently Receiving Payment*	\$ 637,160,063	\$ 574,200,702
Other Participants	<u>468,470,505</u>	<u>464,502,099</u>
Total	\$ 1,105,630,568	\$ 1,038,702,801
Nonvested Benefits	\$ 48,237,648	\$ 50,335,535
Total Present Value of Accumulated Plan Benefits	\$ 1,153,868,216	\$ 1,089,038,336
Interest Rate Used	8.0%	8.0%

\* Includes remaining liability under the plan for participants receiving benefits from Ameritas Life Insurance Corporation.

NOTE: The active employees' accumulated contributions with interest were \$98,615,011 and \$96,171,167 as of September 30, 2013 and September 30, 2012 respectively.

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**EXHIBIT III-6**  
**STATEMENT OF CHANGES IN PRESENT VALUE**  
**OF ACCUMULATED PLAN BENEFITS**

	<u>September 30, 2013</u>	<u>September 30, 2012</u>
1. Present Value of Accumulated Plan Benefits at beginning of Plan year	\$ 1,089,038,336	\$ 1,027,446,644
2. Increase (decrease) during the year attributable to:		
(a) Benefits accumulated and actuarial (gain) or loss	\$ 23,931,175	\$ 43,229,429
(b) Interest due to decrease in discount period	84,809,477	80,035,861
(c) Plan amendment(s)	0	0
(d) Changes in actuarial assumptions	15,063,513	(6,617,686)
(e) Benefit Payments	<u>(58,974,285)</u>	<u>(55,055,912)</u>
3. Net increase (decrease):	\$ 64,829,880	\$ 61,591,692
4. Present value of Accumulated Plan Benefits at end of Plan year	\$ 1,153,868,216	\$ 1,089,038,336

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**EXHIBIT III-7**  
**TABLE 1**  
**ACTUARIAL STATUS INFORMATION**

	<u>October 1, 2013</u>	<u>October 1, 2012</u>
1. Present Value of Future Benefits:		
(a) Annuitants now on roll*	\$ 637,160,063	\$ 574,200,702
(b) Separated employees	48,027,806	36,190,925
(c) Participants due an account balance	11,730,741	10,026,733
(d) Active participants	<u>1,092,452,299</u>	<u>1,134,155,875</u>
(e) Total	\$ 1,789,370,909	\$ 1,754,574,235
2. Less: Present Value of Future Normal Cost Contributions	<u>502,301,630</u>	<u>526,451,311</u>
3. Actuarial Liability [(1e) - (2)]	\$ 1,287,069,279	\$ 1,228,122,924
4. Less: Actuarial Value of Assets	<u>1,197,652,732</u>	<u>1,101,507,602</u>
5. Unfunded Actuarial Liability [(3) - (4)]	\$ 89,416,547	\$ 126,615,322
6. Normal cost as a percentage of covered payroll (mid-year)		
(a) Employee	2.00%	2.00%
(b) Employer	<u>6.97%</u>	<u>6.41%</u>
(c) Total	8.97%	8.41%
7. Ratio of assets in fund to present value of future benefits for annuitants now on roll		
(a) Line 1(a) plus accumulated employee contributions	\$ 735,775,074	\$ 670,371,869
(b) Actuarial Value of Assets divided by (a)	1.63	1.64
(c) Ratio in (b) last year	1.64	1.62
(d) Ratio in (b) two years ago	1.62	1.74

\* Includes remaining liability under the plan for participants receiving benefits from Ameritas Life Insurance Corporation.

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EXHIBIT III-8  
TABLE 2

**COMPARISON OF ACTUARIAL FUNDING WITH ACTUAL CONTRIBUTIONS**  
(in dollars)

(1)	(2)	(3)	(4)	(5)	(6)	(7)
Plan Year	Total Normal Cost*	40-Year Amortization of Unfunded Liability*	Total (Col. 2 plus Col. 3)	Actual Contributions To Plan From All Sources	Difference (Col. 5 less Col. 4)	Col. 5 divided by Col.4
2013-14	\$ 53,673,556	\$ 7,215,422	\$ 60,888,978	\$ --	\$ --	--
2012-13	53,829,936	10,217,157	64,047,093	\$ 65,313,651	\$ 1,266,558	1.02
2011-12	54,141,214	10,635,437	64,776,651	59,846,992	(4,929,659)	0.92
2010-11	54,736,827	8,457,840	63,194,667	64,449,655	1,254,988	1.02
2009-10	50,902,344	6,495,113	57,397,458	59,150,588	1,753,130	1.03
2008-09	45,326,221	1,789,591	47,115,812	53,667,209	6,551,397	1.14
2007-08	40,733,684	(2,030,452)	38,703,232	47,032,806	8,329,574	1.22
2006-07	38,457,296	(711,664)	37,745,632	41,621,364	3,875,732	1.10
2005-06	35,387,224	(100,202)	35,287,022	39,596,220	4,309,197	1.12
2004-05	31,724,981	1,209,066	32,934,047	35,435,693	2,501,646	1.08
2003-04	27,016,602	(752,297)	26,264,305	30,115,404	3,851,099	1.15
2002-03	20,651,255	(971,529)	19,679,726	24,486,375	4,806,649	1.24
2001-02	19,120,495	(3,961,885)	15,158,610	22,674,448	7,515,838	1.50
2000-01	17,889,965	(6,198,677)	11,691,288	19,171,038	7,479,750	1.64
1999-00	17,747,969	(3,094,083)	14,653,886	17,114,504	2,460,618	1.17
1998-99	17,334,358	(2,096,155)	15,238,203	15,782,816	544,613	1.04

\* Amounts as of mid-year. Beginning in 2005, \$1.4 mil added as admin expense assumption.

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**EXHIBIT III-8 cont.**  
**TABLE 2a**

**COMPARISON OF ACTUARIAL FUNDING WITH ACTUAL CONTRIBUTIONS**  
**(as percentage of estimated active member payroll for the year)**

(1)	(2)	(3)	(4)	(5)	(6)
Plan Year	Total Normal Cost*	40-Year Amortization of Unfunded Liability*	Total (Col. 2 plus Col. 3)	Actual Contributions To Plan From All Sources	Difference (Col. 5 less Col. 4)
2013-14	8.97%	1.21%	10.18%		
2012-13	8.41	1.60	10.01	10.20%	0.19%
2011-12	8.52	1.67	10.19	9.41	(0.78)
2010-11	8.40	1.30	9.70	9.89	0.19
2009-10	8.42	1.07	9.49	9.78	0.29
2008-09	8.47	0.33	8.80	10.03	1.23
2007-08	8.60	(0.43)	8.17	9.93	1.76
2006-07	8.46	(0.16)	8.30	9.16	0.86
2005-06	8.52	(0.02)	8.50	9.54	1.04
2004-05	8.26	0.31	8.57	9.23	0.66
2003-04	8.37	(0.23)	8.14	9.33	1.19
2002-03	7.58	(0.36)	7.22	8.99	1.77
2001-02	8.04	(1.67)	6.37	9.53	3.16
2000-01	8.42	(2.92)	5.50	9.02	3.52
1999-00	8.73	(1.52)	7.20	8.41	1.21
1998-99	9.06	(1.10)	7.96	8.25	0.29

\* Amounts as of mid-year. Beginning in 2005, \$1.4 mil added as admin expense assumption.

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Exhibit III-8 (continued)

Table 3-3a

**Past and Projected Flow of Plan Assets**

The Market Value of Assets over the last fifteen years is shown on page 3 of this valuation report. Furthermore, the historical cash flows during that period are shown on page 5.

The table below projects the Plan's expected contributions (both employer and employee), benefit payments and administrative expenses over the next ten years. The expected employer contributions assume that the employers will continue to contribute a fixed 7.60% of pay and do not reflect the amount based on the actuarially determined contribution rate. Expected benefit payments are projected for the closed group valued as of October 1, 2013. Projecting any further than ten years using a closed group would not yield reliable projections due to the omission of new hires. Administrative expenses are assumed to increase by 3.00% a year.

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**EXHIBIT III-9  
TEN YEAR PROJECTION OF CASH FLOWS**

Plan Year Ending 9/30	Market Value of Assets (BOY)	Estimated Employer Contributions	Estimated Employee Contributions	Estimated Benefit Payments*	Estimated Administrative Expenses	Market Value of Assets (EOY)
2014	\$ 1,210,995,515	\$ 45,478,242	\$ 11,967,959	\$ 71,267,425	\$ 1,400,000	\$ 1,292,056,796
2015	1,292,056,796	47,297,372	12,446,677	75,547,823	1,442,000	1,377,499,006
2016	1,377,499,006	49,189,267	12,944,544	80,299,079	1,485,260	1,467,277,498
2017	1,467,277,498	51,156,838	13,462,326	85,215,916	1,529,818	1,561,665,092
2018	1,561,665,092	53,203,112	14,000,819	90,401,969	1,575,713	1,660,852,663
2019	1,660,852,663	55,331,236	14,560,852	93,532,459	1,622,984	1,767,466,428
2020	1,767,466,428	57,544,485	15,143,286	99,839,327	1,671,674	1,878,909,763
2021	1,878,909,763	59,846,264	15,749,017	106,480,294	1,721,824	1,995,336,525
2022	1,995,336,525	62,240,115	16,378,978	112,647,388	1,773,479	2,117,757,152
2023	2,117,757,152	64,729,720	17,034,137	119,565,786	1,826,683	2,245,994,463

\* Assumes that the \$11.7 million in account balances for the 22,601 non-vested participants due a refund of their employee contributions are paid uniformly over next five years.

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Exhibit III-9

**NOTE 1 – VALUATION OF INVESTMENTS**

Investments are stated at market value. The Plan's deposits with insurance carriers are valued at contract value. Contract value represents contributions made under the contract, plus interest income, plus realized security gains net of losses, plus unrealized security gains net of losses, less transfers of funds back to the U.S. Army Central Retirement Fund (ACRF), less funds used to meet ACRF obligations, less administrative expenses.

**NOTE 2 – CONTRACTS WITH INSURANCE COMPANIES AND INVESTMENT MANAGEMENT AGREEMENT**

The Plan has deposit administration contracts with two insurance companies as described below:

(a) *John Hancock Mutual Life Insurance Company*

The John Hancock Mutual Life Insurance Company (John Hancock) serves as the paying service for all participants receiving benefits since the termination agreement with Ameritas (formerly Bankers Life of Nebraska).

John Hancock also administered funds totaling \$9,556,167 under the following contract at September 30, 2013.

Type: General account (primarily long-term bonds)

Yield: Based upon overall fund performance

Term: Cancellable at any time

Amount: \$9,556,167 at September 30, 2013.

(b) *Ameritas (Formerly Bankers Life of Nebraska)*

On March 1, 1983, the Plan terminated its deposit administration contract with Ameritas. Under the terms of the termination agreement Ameritas paid the Plan \$5,179,098 on September 1, 1987.

The Plan's only future obligation with respect to Ameritas is to pay the annual cost of living adjustments for the retirees for whom annuity contracts were purchased in 1983 when the agreement with Ameritas was terminated. The amount held on deposit with Ameritas at September 30, 2013 was \$ 98,348.

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*Investment Management Agreement*

The Plan also has investment management agreements with various companies. The agreements provide that the companies have sole responsibility for investing the funds under their management within certain pre-described guidelines, and that earnings on the funds are based solely on the performance of the investments with a performance goal expressed as a total rate of return as defined in the agreement. The fair value of investments under management agreements at September 30, 2013 was:

BGI U.S. Debt	\$ 41,762,075
Janus Midcap	71,337,934
Adams Street Partners, Inc. (formerly Brinson Partners, Inc.)	106,300,992
SSGA International Alpha	98,214,443
Wells Capital Management Small Cap	76,043,578
GMG Seneca	46,035,630
RREEF America REIT II	35,235,066
UBS - RESA	43,328,916
Artisan International Value	79,508,423
Dodge & Cox Intl. Stock Fund	74,995,981
NYLIM - Large Cap Enhanced Index	13,538
T. Rowe Price Lg Cap Enhanced	182,314,117
Capital International EMGF	36,241,999
Angelo Gordon Core + Realty	6,051,127
UBS Trumbull TPG Value Fund	25,737,335
Prisma Hedge FOF	10,876,410
Blackstone Hedge	44,188,640
BNY Mellon	26,195,475
SSGA Real Assets Non-Lend Fund	25,423,533
SSGA S&P 500 Flagship	164,469,941
U.S. Army N.A.F. Ret. Trust (SSGA STIF)	1,573,883

**NOTE 3 – CASH WITH ARMY BANKING AND INVESTMENT FUND**

The Plan had \$2,714,996 invested in the United States Army Banking and Investment Fund (ABIF) at September 30, 2013. The ABIF acts as a pooling agent for all Army Nonappropriated activities and invests principally in U.S. Treasury securities, U.S. government agency securities, and certificates of deposit. The rate of interest paid to depositors is determined periodically by ABIF management.

**NOTE 4 – RELATED PARTY TRANSACTION**

Appropriated funds of the United States Army provide certain general administrative support, including office space, communication and certain supplies to the U.S. Army Command which administers the Plan. The value of some of these contributed series and supplies is not currently available and thus, is not reflected in the accompanying financial statements.

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The Plan, the United States Army Medical/Life Fund (AMLF), and the 401(k) plan share common offices and administrative personnel. Common expenses are paid by the Plan and the AMLF and 401(k) plan allocated portions are reimbursed to the Plan. The balance due to the Retirement Plan as of September 30, 2013 for expenses allocated to the Army Medical/Life Fund and the 401(k) Saving Plan is \$765,571 and \$204,152, respectively.

The NAF Financial Services deducted employer and employee contributions from the various payroll cycles and remitted the funds to the Plan at a cost of \$954 in the year ended September 30, 2013. The United States Army Morale Welfare and Recreation Fund charged the ACRF \$143,100 for certain allocated administrative expenses in the year ended September 30, 2013.

**NOTE 5 – CONTRIBUTIONS**

As a condition of participation, employees are required to contribute 2% of their salary to the Plan. Prior to January 1, 1991, employees were required to contribute 3% of their salary.

Effective January 1, 2001, new hires, re-hires, and newly eligibles may elect to stop contributing to the Plan after six months. The employee's past contribution will be refunded upon termination only if the employee elects a refund in lieu of future retirement benefits when vested.

Although they have not expressed any intention to do so, the United States Army Nonappropriated Fund has the right under the Plan to discontinue their contributions at any time and to terminate the Plan.

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Summary of Methods and Assumptions as of October 1, 2013

A. Actuarial Methods

Exhibit III-10

1. Calculation of Normal Cost and Actuarial Liability: The actuarial method used to determine the normal cost and actuarial liability was the projected unit credit actuarial cost method described below.

Projected Unit Credit Actuarial Cost Method

The objective under this method is to allocate the total pension benefit to which each participant is expected to become entitled at retirement to the participant's past and future service. The allocation is accomplished by applying the Plan's accrual formula to projected final salary at retirement.

An Actuarial Liability is calculated at the valuation date as the present value of benefits allocated to service prior to that date.

The Unfunded Actuarial Liability at the valuation date is the excess of the Actuarial Liability over the assets of the Plan.

The Normal Cost is the present value of those benefits which are expected to be allocated to service during the year beginning on the valuation date.

**Under this method, differences between the actual experience and that assumed in the determination of costs and liabilities will emerge as adjustments in the Unfunded Liability, subject to amortization.**

2. Calculation of Actuarial Value of Assets: Market Value of Assets is the amount certified by outside auditors as available net assets. This includes funds on deposit with insurance companies, funds on deposit with the U.S. Army Banking and Investment Fund, cash and accrued items.

As of October 1, 1997, the Actuarial Value of Assets was set equal to the Market Value of Assets. For each subsequent year, the Actuarial Value of Assets is calculated as follows:

(a) The prior year's Actuarial Value of Assets is

- Increased by actual contributions, interest at the assumed rate of return on prior year's actuarial value of assets for a full year and interest at assumed rate of return on contributions for one-half year.
- Decreased by actual benefit payments, expenses and other payments and interest at assumed rate of return on these payments for one-half year.

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- (b) The amount from (a) above is the expected value.
  - (c) 20% of the difference between Market Value and expected value is added to “expected” value.
  - (d) The result from (c) is the Actuarial Value of Assets adjusted, if necessary, to be not less than 20% below and not more than 20% above the Market Value of Assets.
3. Calculation of the Actuarial Employer Contribution Rate: The method for determining the actuarial employer contribution rate is as follows:
- (a) The Normal Cost as described on the previous page plus assumed administrative expenses; *plus*
  - (b) A level dollar amount such that the Unfunded Actuarial Liability would be paid off in 15 years; *less*
  - (c) Estimated employee contributions of 2% of payroll.

The amount calculated is adjusted with interest to the middle of the year and then divided by valuation earnings to convert to a percent of pay.

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Summary of Methods and Assumptions as of October 1, 2013

**B. Actuarial Assumptions**

**Exhibit III-10 (continued)**

1. Investment Return: 8.0%
2. Annual Rate of General Wage Increase: 4%
3. Annual Rate of Merit/Seniority Wage Increase (in addition to 2., applied multiplicatively):  
See Rates in Exhibit A
4. Social Security Wage Base Increase: 4%

5. Mortality:

RP-2000 Combined Mortality projected with Scale AA to 2010 (Exhibit B) for actives, terminated vesteds, healthy annuitants and beneficiaries.

RP-2000 Disabled Mortality projected with Scale AA to 2010 (Exhibit B) for disabled annuitants.

Past experience has shown mortality assumptions to be very close to the prior assumption (RP-2000 Mortality Tables projected with Scale AA to 2005). Therefore, projecting the mortality tables above with Scale AA to 2010 reflects some margin for future improvement. Had this mortality table been in place last year, the actual experience would have been approximately 6% more than what was assumed.

6. Termination: Sample rates set forth in Exhibit A.
7. Disability: Rates from disability set forth in Exhibit C.
8. Retirement Age: See Exhibit C.
9. Form of payment and proportion of participants with eligible beneficiaries for survivor:

Participants are assumed to elect the Normal Benefit. 88% of participants are assumed to be married with wives 3 years younger than their husbands. For current in-pay participants, actual spouse date of birth is used if available as well as actual form of payment elected.

10. Expenses:  
\$1,400,000, assumed payable as of the middle of the year.

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11. Noncontributing active participants:

Nonvested participants entitled to a refund of the employee contributions are included in the valuation and are assumed to be paid out within 5 years. Vested participants are assumed to remain in service but continue in a noncontributory status.

12. Covered payroll:

Gross annual earnings for the prior plan year ending on the valuation date, increased by the salary assumption to reflect estimated payroll for the year following the valuation date.

13. Maximum benefit:

The maximum benefit payable under IRC Section 415, effective at valuation date (\$205,000 for 2013) increased by 3.5% per year thereafter.

14. Maximum pensionable pay:

IRC Section 401(a)(17) limit effective at valuation date (\$255,000 for 2013) increased 3.5% per year thereafter.

15. Post-retirement cost of living adjustments:

3.5% per year.

16. Assumption for inactive participants due an account balance:

100% are assumed to still be due a refund of their account balances.

17. Changes since prior year:

The mortality tables were changed to incorporate a margin for future improvement.

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<b>Exhibit A</b>		
<b>Service</b>	<b>Merit/Seniority Wage Increase</b>	<b>Termination Number of terminations per 1,000 members</b>
0	10.00%	200.0
1	9.00%	165.7
2	7.50%	141.1
3	6.00%	127.8
4	4.75%	112.4
5	3.50%	100.5
6	2.50%	90.8
7	2.25%	82.5
8	2.13%	75.4
9	1.99%	69.1
10	1.86%	63.6
11	1.72%	58.4
12	1.58%	53.8
13	1.45%	49.5
14	1.31%	45.5
15	1.17%	41.9
16	1.04%	38.4
17	0.90%	35.2
18	0.76%	32.1
19	0.63%	29.2
20	0.49%	26.5
21	0.35%	23.9
22	0.22%	21.4
23	0.08%	19.0
24	0.00%	16.8
25+	0.00%	10.0

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<b>Exhibit B</b>				
Age	<b>Disabled Annuitant RP 2000 Disabled Mortality<sup>1</sup></b>		<b>RP 2000 Combined Mortality<sup>1</sup></b>	
	Number of deaths per 1,000 members		Number of deaths per 1,000 members	
	Male	Female	Male	Female
20	18.6	6.3	0.3	0.2
25	20.4	6.5	0.3	0.2
30	21.5	6.7	0.4	0.2
35	21.5	6.7	0.7	0.4
40	20.8	6.4	1.0	0.6
45	19.8	6.3	1.3	1.0
50	24.2	9.7	1.8	1.4
55	29.3	15.3	3.0	2.5
60	35.8	20.8	5.7	4.8
65	43.6	26.7	11.1	9.2
70	53.8	35.8	19.1	15.9
75	71.3	48.2	32.9	25.9
80	98.9	67.4	58.2	42.8

<sup>1</sup> All RP 2000 Mortality Tables shown above reflect the projection with Scale AA to 2010.

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<b>Exhibit C</b>			
<b>Retirement Rates<sup>1</sup></b> Number of retirements per 100 members		<b>Disability</b> Number of Disablements per 1,000 members	
Age	Rate	Age	Rate
50 – 54	5	<30	0.28
55	10	35	0.33
56 - 59	5	40	0.75
60	10	45	1.60
61	5	50	2.78
62 - 64	25	55	4.75
65+	100	60	8.63
		62+	0.00

<sup>1</sup> 100% retirement upon attaining age 55 with 30.

100% of terminated vested participants are assumed to retire at age 62.

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SUMMARY OF PLAN PROVISION AS OF OCTOBER 1, 2013

Exhibit III-11

1. Effective Date of Plan:

January 1, 1966. Most recent amendment and reinstatement as of January 1, 2008.

2. Employees Eligible for Participation:

All employees of covered U.S. Army-NAF activities working at least 20 hours per week are eligible to become Participants on their date of employment. Effective January 1, 2001, new hires, re-hires, and newly eligibles are required to participate in the Plan for the first six months. Employee contributions are required for participation.

3. Definitions:

- (a) Earnings: Gross annual compensation as reported on Form W-2, plus the Participant's pre-tax contributions to the Employer's 401(k) plan or for health benefits, capped by the \$250,000 limit as indexed under the Code.
- (b) Final Average Earnings: The average of the highest 36 consecutive months of Earnings.
- (c) Credited Service: All service including unused sick leave from date of employment to retirement, death or termination, except that service on and after April 1, 1981, is counted only if the employee makes contributions to the Plan.
- (d) Covered Compensation: The amount specified in Table 1 of Attachment 1, as amended from time to time, of Internal Revenue Service Notice 89-70 for the Plan year in which the Participant attains his Social Security Retirement Age.

4. Retirement Dates:

- (a) Normal Retirement Date: The first day of the month following the later of Participant's 62<sup>nd</sup> birthday and completion of 5 years of Credited Service.
- (b) Early Retirement Date: A Participant may retire on the first day of a month before age 62 provided:
  - (i) He has attained age 50 and has completed 20 years of Credited Service, or
  - (ii) He has attained age 52 and has completed 5 years of Credited Service, or
  - (iii) Attainment of age 50 and completion of 20 years of Credited Service on or after August 1, 1993 and prior to December 31, 1994, or on or after January 1, 1997, and is involuntarily separated from service or if the Employer shall have obtained a voluntary early retirement authority from the Assistant Secretary of the Army (Manpower and Reserve Affairs).

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- (iv) Attainment of any age and completion of 25 years of Credited Service on or after August 1, 1993, and prior to December 31, 1994, or on or after January 1, 1997, and is involuntarily separated due to loss of position under a business-based action, per authority of the installation commander
- (c) Disability Retirement Date: A Participant who becomes permanently disabled and unable to perform his duties may retire, provided that he:
  - (i) has attained age 52 with 1 year of Credited Service or has completed 5 years of Credited Service if hired before January 1, 2009, or
  - (ii) has completed 5 years of Credited Service if hired on or after January 1, 2009.
- (d) Deferred Retirement Date: A Participant may remain in employment beyond his Normal Retirement Date.

5. Pension Benefit at Normal Retirement:

- (a) Participants Eligible: All Participants who retire on their Normal Retirement Date.
- (b) Annual Benefit: The sum of (i), (ii), and (iii).
  - (i) 1.2% of Final Average Earnings plus .3% of Final Average Earnings in excess of Covered Compensation times Years of Credited Service not in excess of fifteen (15) years.
  - (ii) 1.6% of Final Average Earning plus 0.3% of Final Average Earnings in excess of Covered Compensation times Years of Credited Service in excess of fifteen (15) years up to thirty (30) years.
  - (iii) 1.6% of Final Average Earnings times Years of Credited Service in excess of thirty (30) years.

But not less than the Participant's accrued benefit as on June 30, 1990 under the prior formula.

6. Pension Benefit at Early Retirement:

- (a) Participants Eligible: All Participants who retire on an Early Retirement Date.
- (b) Annual Benefit: Calculated as in item (5) based on Final Average Earnings and Credited Service at the time of early retirement, reduced by 4% for each year that early retirement precedes Normal Retirement Date. For retirement after attainment of age 55 and completion of 30 years of Credited Service, or after attainment of age 60 and completion of 20 years of Credited Service, no reduction in benefit is applicable.
- (c) A Participant who retires on an Early Retirement Date shall receive an annual early retirement supplement payable until the Participant attains his Normal Retirement Date. This benefit continues to the surviving spouse if the participant elected a married form of payment and dies. The amount of the annual supplement shall be (i) \$192 or (ii) one half percent (0.5%) of the Participant's Final Average Earnings whichever is lesser, times

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Years of Credited Service up to twenty-five (25) but shall not exceed \$4,800 per year. This annual supplement is increased by any Cost of Living Adjustments thereafter.

- (d) A Participant who retires on an Early Retirement Date as described in item 4(b)(iii) and (iv) above shall receive a benefit calculated as in item (5) based on Final Average Earning and Credited Service at the time of early retirement, reduced by 2% for each year that early retirement precedes age 55.

7. Pension Benefit at Disability Retirement:

- (a) Participants Eligible: All Participants who retire on a Disability Retirement Date.
- (b) Annual Benefit: The sum of (i) and (ii)
- (i) 1.2% of Final Average Earnings times Years of Credited Service up to fifteen (15),
- (ii) 1.6% of Final Average Earnings time Years of Credited Service in excess of fifteen (15).

The annual benefit shall not exceed 90% of Final Average Earnings when combined with Workers' Compensation.

8. Pension Benefit at Deferred Retirement:

- (a) Participants Eligible: All Participants who retire on a Deferred Retirement Date.
- (b) Annual Benefit: Calculated as in item (5) based on Final Average Earnings, Covered Compensation, and Credited Service at the time of actual retirement.

9. Vested Benefits:

- (a) Participants Eligible: All Participants who complete 5 years of Credited Service.
- (b) Annual Benefit: Calculated as in item (5) based on Final Average Earnings, covered Compensation, and Credited Service at the time of termination of employment, if participant does not elect to have his contributions with interest returned to him.

10. Survivor Benefits:

- (a) Participants Eligible: Any Participant who was retired on account of disability or who completed 5 years of Credited Service, and at the time of death, either:
- (i) was actively employed,
- (ii) was separated from active service entitled to a deferred benefit, but had not yet begun to receive retirement benefits, or
- (iii) retired under a disability benefit.

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(b) Annual Benefit:

The eligible spouse survivor will receive the amount of benefit, including the early retirement supplement unreduced for early commencement that would have been paid had the Participant retired on the date of death and elected the normal form of payment for married participants.

If a Participant has retired on account of disability, his Spouse shall receive a benefit equal to the retirement benefit that would have been payable had the Participant retired at the time his disability commenced, and elected the normal form of payment for married participants.

11. Employee Contribution

(a) Annual Contribution: 3% of Earnings up to December 31, 1990, 2% of Earnings afterwards.

(b) Interest Credited: 3% per annum.

(c) Benefit: Employees, or their beneficiaries if they are deceased, are eligible to receive a refund of their contributions plus interest in the form of a lump sum.

12. Forms of Benefit Payment:

(a) Normal Form: Reduced 55% joint and survivor annuity for married participants; life annuity for single participants. (For single participants, the excess of the retired Participant's contributions with interest over the sum of benefits paid is returned at his death in a lump sum payment to the retired Participant's beneficiary or estate).

(b) Optional Forms: Actuarially Equivalent 5 or 10 years Certain and Continuous, Life Annuity, or a 100% Contingent Annuitant option.

13. Cost of Living Adjustments

Effective April 1, 1987, benefits paid to pensioners and beneficiaries as of April 1, 1987 were increased .25% for each month from the later of benefit commencement date or April 1, 1985 through December 1, 1986. Pensioners' benefits were previously increased in 1981, 1983, and 1985.

Effective April 1, 1988, and each April 1 thereafter, each participant and beneficiary receiving retirement or survivor benefits from the Plan shall be entitled to have the benefit he or she is then receiving increased by the same percentage as the increase in the average Consumer Price Index – Urban Wage Earners and Clerical Workers (CPI-W) for the third quarter of the preceding year, or by four percent (4%), whichever is the lesser figure. For those years when the Consumer Price

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Index exceeds 4%, the Benefits Program Manager and the Trustees, upon review of the financial conditions of the Plan, may recommend to the Commander increases of more than 4%.

14. Changes In Plan Since Prior Valuation

None.