



O'Sullivan
Associates Inc.

Local 805 Pension and Retirement Plan
Actuarial Valuation
3/31/2016

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January 2017

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1. Certification of Results

This report was prepared on behalf of the Teamsters Local 805 Pension Plan based on employee data, asset statements and Plan documents provided by the Plan Sponsor or its representatives. We relied upon the data as submitted, without formal audit. However, the data was tested for reasonableness, and we have no reason to believe that any other information which would have had a material effect on the results of this valuation was overlooked.

Therefore, to the best of our knowledge and belief, the information presented in this report is complete and accurate, and in our opinion, each assumption used represents our best estimate of anticipated experience under the Plan.

Certified by:

Redacted by the U.S. Department of the
Treasury

Craig A. Voelker, FSA, MAAA, EA
Enrolled Actuary No.: 14-05537

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2. Valuation Summary

A. Long-Term Funding

Projected annual contributions of \$1.55 million (\$309.87 per month) plus the value of expected future withdrawal liability payments of \$0.24 million (\$49.01 per month) fall short of the total annual cost of benefits of \$11.62 million (\$2,325.47 per month). This leaves a negative margin of \$9.83 million or \$(1,966.59) per month.

B. Withdrawal Liability

White Rose Trucking withdrew from the Plan in 2014 and was assessed \$13.5 million dollars in withdrawal liability. The employer is currently in bankruptcy proceedings and it is unclear how much money the Plan will receive.

We continue to assume White Rose will not pay any of its withdrawal liability assessment.

In addition, Center Candy withdrew from the Plan in 2016, and YRC incurred a partial withdrawal in the Plan Year ended 3/31/2013. These companies are currently paying their assessments, and their payments are included in our funding projections.

C. Pension Protection Act

As of April 1, 2016 the Plan's funding percentage is 36.7% and it has a negative credit balance. Additionally, the Plan is projected to become insolvent within the current or next 19 years, and its ratio of inactive to active participants is in excess of 2 to 1. Therefore, as of April 1, 2016, the Plan is in Critical and Declining Status.

The Trustees have adopted a Rehabilitation Plan to address the Plan's funding issues, which is explained in detail in Section 4.4 of the report.

D. Assumption Changes

We updated the retirement assumption as shown in Section 6.1, and changed the assumed interest rate from 6.75% per year to 6.50%.

3. Summary of Funding Measures

	As of March 31	
1. Current	<u>2016</u>	<u>2015</u>
<u>Assets</u>		
a at Market	\$ 51,672,207	\$ 62,149,280
b at Actuarial	\$ 59,927,451	\$ 68,843,795
c Actuarial / Market (b/a)	116.0%	110.8%
<u>Present Values</u>		
d Vested Benefits	\$ 162,975,125	\$ 158,491,026
e Accrued Benefits (Accrued Liability)	\$ 163,427,314	\$ 158,912,439
<u>Funding Percentages</u>		
f Vested at market (a/d)	31.7%	39.2%
g Vested at actuarial (b/d)	36.8%	43.4%
h Accrued at market (a/e)	31.6%	39.1%
i Accrued at actuarial (b/e)	36.7%	43.3%

	For Plan Year Ending March 31	
2. Prospective	<u>2017</u>	<u>2016</u>
<u>Contributions</u>		
a Minimum Required	\$ 47,294,876	\$ 38,348,354
b Anticipated	\$ 1,548,436	\$ 1,777,517
c Actual	tbd	\$ 1,582,883
d Maximum Deductible	\$ 261,624,998	\$ 246,184,995
e Credit Balance	\$ (45,555,942) *	\$ (36,717,078)
f Minimum to preserve Credit Balance	\$ 10,275,165 *	\$ 9,125,471
	<i>* projected</i>	
g WL PMTs received in year	\$ 140,747 *	\$ -
h WL PMTs receivable spread over 15 years	\$ 244,922 *	\$ -
	<i>* Projected</i>	
<u>Costs</u>		
i Cost of benefits earned in year	\$ 927,774	\$ 940,735
j Amortization of Unfunded Liability	<u>\$ 10,692,570</u>	<u>\$ 9,444,724</u>
k Total Cost (i+j)	\$ 11,620,344	\$ 10,385,459
l Margin (b+h-k)	\$ (9,826,986)	\$ (8,607,942)

3. Assumptions		
a Interest rate per annum	6.50%	6.75%
b Total Months	4,997	5,904

4. Plan Cost

4.1 Contributions, Cost and Margin

A. As of	<u>3/31/2016</u>		
1. Actuarial liability	\$ 163,427,314		
2. Actuarial value of assets	<u>59,927,451</u>		
3. Unfunded actuarial liability (1-2)	\$ 103,499,863		
4. Normal cost	456,807		
5. Expenses	<u>440,000</u>		
6. Total cost of benefits (4+5)	\$ 896,807		
7. Amortization of unfunded liability	\$ 10,335,679		
B. Anticipated Contribution Income*			
1. Projected months	4,997		As a % of
2. Projected contribution rate	<u>\$ 309.87</u>	<u>\$/Month</u>	<u>Contributions</u>
3. Anticipated annual contribution (1x2)	\$ 1,548,436	\$ 309.87	100.0%
4. Value of future withdrawal payments	<u>\$244,922</u>	<u>49.01</u>	<u>13.7%</u>
5. Total	\$ 1,793,358	\$ 358.88	113.7%
C. Actuarial Costs*			
1. Cost of benefits earned in the year	\$ 927,774	\$ 185.67	59.9%
2. Amortization of unfunded liability	<u>10,692,570</u>	<u>2,139.80</u>	<u>690.5%</u>
3. Total annual costs (1+2)	\$ 11,620,344	\$ 2,325.47	750.4%
D. Margin (B3-C5)	\$(9,826,986)	\$(1,966.59)	-636.7%
E. Market value of assets	\$ 51,672,207		
F. Spread Statistic	-16.0%		
G. Margin using assets at market	\$(10,679,836)	\$(2,137.26)	-689.7%

There are two component costs to funding a pension plan: the cost of benefits earned in the year and the amortization of the unfunded liability. The costs above are calculated consistent with a funding policy of paying off the unfunded liability over 15 years assuming asset returns of 6.50% annually. The margin, found on Line D above, indicates that the Plan needs an average additional amount of \$1,966.59 per month (off the accrual rate) to pay for all future benefits.

There are many actuarial measures and statistics to measure the state of the Plan's funding. The margin is designed to provide a single simplified statistic for a Trustee to get a sense for whether the Plan is keeping up with its costs. As long as the margin is positive, it is a strong indication that the current benefits are affordable on a long-term basis. If negative, it is an indication that the overall funding may need to be improved before benefits are affordable.

* Assumes contributions and costs are paid at the end of the month.

4.2 Development of Plan Asset Values

4.2.1 Market Value of Assets

	<u>Total Fund</u>
A. Assets at 3/31/2015	\$ 62,149,280
B. Employer contributions	\$ 1,582,883
C. Withdrawal Liability payments received	\$ 0
D. Investment income:	
1. Interest and dividends	\$ 1,019,430
2. Realized/unrealized gain/(loss)	(707,588)
3. Investment fees	<u>(214,327)</u>
4. Total investment income	\$ 97,515
E. Distributions:	
1. Benefit payments	\$ (11,704,972)
2. Administrative expenses	<u>(452,499)</u>
3. Total distributions	\$ (12,157,471)
F. Market value as of 3/31/2016	\$ 51,672,207
G. Average invested assets (A+.5 x (B+C+E3))	\$ 56,861,986
H. Rate of return, D4÷G	0.2%

4.2.2 Actuarial Value of Assets

A. Market value as of 3/31/2016 \$ 51,672,207

Development of amount deferred

Year Ending <u>March 31</u>	Unexpected <u>Amount</u>	Percentage <u>Deferred</u>	Deferred <u>Amount</u>
1. 2009	\$ (30,094,302)	20%	\$ (6,018,860)
2. 2015	772,221	33%	257,395
3. 2016	(3,740,669)	67%	<u>(2,493,779)</u>

B. Total deferred amount \$ (8,255,244)

C. Preliminary actuarial value of assets (A-B) 59,927,451

D. 80% of market value 41,337,766

E. 120% of market value 62,006,648

F. Actuarial value as of 3/31/2016 (C not less than D or greater than E) \$ 59,927,451

4.2.3 Actuarial Asset Gain/(Loss)

A. Actuarial assets at 3/31/2015	\$ 68,843,795
B. Investment income:	
1. Expected income (net of investment expenses)	\$ 3,838,184

Development of amount recognized

Year Ending <u>March 31</u>	Unexpected <u>Amount</u>	Percentage <u>Recognized</u>	Recognized <u>Amount</u>
2009	\$ (30,094,302)	10%	\$ (3,009,430)
2014	5,456,954	33%	1,818,985
2015	772,221	33%	257,395
2016	(3,740,669)	33%	<u>(1,246,890)</u>

2. Total recognized amount	\$ (2,179,940)
3. Forced recognition (due to +/-20% corridor)	<u>\$ 0</u>
4. Total investment income (1+2+3)	\$ 1,658,244
C. Employer contributions	\$ 1,582,883
D. Withdrawal Liability Payments	0
E. Distributions:	
1. Benefit payments	\$ (11,704,972)
2. Administrative expenses	<u>(452,499)</u>
3. Total distributions	\$ (12,157,471)
F. Actuarial value as of 3/31/2016	\$ 59,927,451
G. Average actuarial value (A+.5 x (C+D+E3))	\$ 63,556,501
H. Rate of return (B4÷G)	2.6%
I. Assumed rate of return	6.75%
J. Expected income (G x I)	4,290,064
K. Asset gain/(loss) (B4-J)	(2,631,820)

4.2.4 Total Gain/Loss

A. Unfunded accrued liability (UAL) at 3/31/2015	\$ 90,068,644
B. Annual cost of benefits and expenses at 3/31/2015	908,193
C. Less contributions	(1,582,883)
D. Interest on A, B, and C	<u>6,092,544</u>
E. Expected unfunded accrued liability as of 3/31/2016 (A+B+C+D)	\$ 95,486,498
F. Preliminary UAL before changes as of 3/31/2016	<u>100,961,599</u>
G. Total gain/(loss), (E-F)	\$ (5,475,101)
H. Change due to:	
1. Assumption changes	\$ 2,538,264
2. Plan amendments	0
3. Method changes	<u>0</u>
4. Subtotal changes	\$ 2,538,264
I. Actual unfunded (surplus) accrued liability as of 3/31/2016 (F+H4)	\$ 103,499,863
J. Gain/(loss) due to:	
1. Asset experience	\$ (2,631,820)
2. Expenses	3,267
3. Demographic experience	<u>(2,846,548)</u>
4. Total gain/(loss)	\$ (5,475,101)

4.3 Historical Information

4.3.1 Gain/(Loss)

Plan Year Ending 3/31	<u>Assets</u>	<u>Expense</u>	<u>Demographic Assumptions</u>	<u>Total Gain/(Loss)</u>
2012	\$ 557,831	\$ 56,563	\$ (2,493,973)	\$ (1,879,579)
2013	(2,264,932)	19,058	(970,540)	(3,216,414)
2014	477,351	(8,979)	(1,034,657)	(566,285)
2015	771,764	(118,898)	(205,180)	447,686
2016	\$ (2,631,820)	\$ 3,267	\$ (2,846,548)	\$ (5,475,101)
5-year Average	\$ (617,961)	\$ (9,798)	\$ (1,510,180)	\$ (2,137,939)

Gain/loss analysis is one of the most important tools available to an actuary to ensure that the actuary's model of the Plan's funding is accurate. The exhibit above shows the total gain/(loss) broken down into two components: assets and demographic assumptions.

The gain/(loss) on assets is very unpredictable due to the unpredictable returns on the market value of assets. Moreover, the gain/(loss) on assets is greatly influenced by the smoothing method. The pattern of asset gains is discussed later in this report.

After itemizing the gain/(loss) on assets and administrative expenses, what remains is the gain/(loss) on all the other demographic assumptions including retirement, turnover, disability, and mortality. Over time, to remain confident in the future funding, it is important that the gains and losses on the demographic assumptions average zero, or at least a relatively small number.

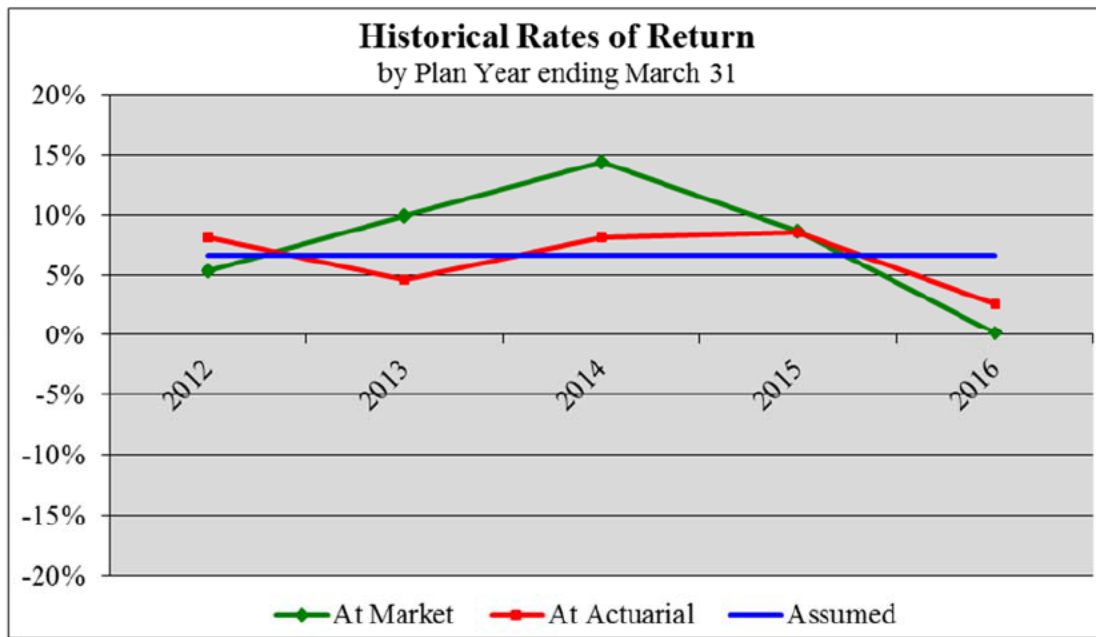
For the last five years the Plan has averaged a loss on demographic assumptions. We will continue to monitor the gain and losses and make assumption changes in the future as necessary.

4.3.2 Asset Information

As of 3/31	<u>Contributions</u>	With- drawal Liability <u>Payments</u>	<u>Benefits</u>	<u>Expenses</u>	Market Investment <u>Income</u>	Market Value <u>of Assets</u>	ROR At <u>Market</u>	ROR At <u>Actuarial</u>	
2012	\$ 1,333,334	\$ -	\$ (11,224,000)	\$ (389,562)	\$ 3,964,581	\$ 71,300,012	5.4%	8.2%	
2013	1,616,634	-	(11,428,240)	(385,567)	6,816,972	67,919,811	10.0	4.6	
2014	1,784,266	20,000	(11,534,520)	(410,313)	9,154,354	66,933,598	14.4	8.2	
2015	1,770,559	-	(11,666,983)	(545,186)	5,657,292	62,149,280	8.7	8.6	
2016	<u>1,582,883</u>	=	<u>(11,704,972)</u>	<u>(452,499)</u>	<u>97,515</u>	\$ 51,672,207	0.2%	2.6%	
Totals	\$ 8,087,676	\$ 20,000	\$ (57,558,715)	\$ (2,183,127)	\$ 25,690,714				
							5-year geometric average	7.6%	6.4%

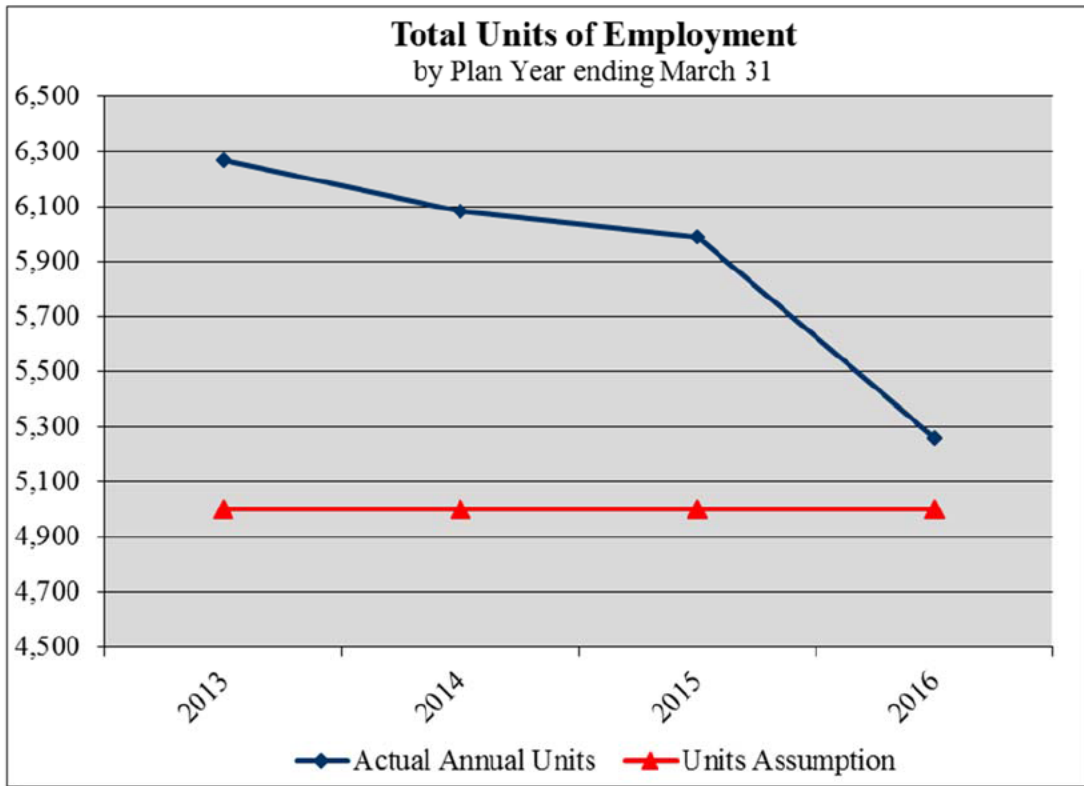
The average geometric return on the market value of assets for the 5 years ending March 31, 2016 was 7.6%.

The performance of the actuarial value of assets as measured by the rate of return smooths out the market value performance. As seen in the table above, the market value return in Plan Year ended 3/31/2016 was 0.2%. The actuarial rate of return was 2.6%.



4.3.3 Employment

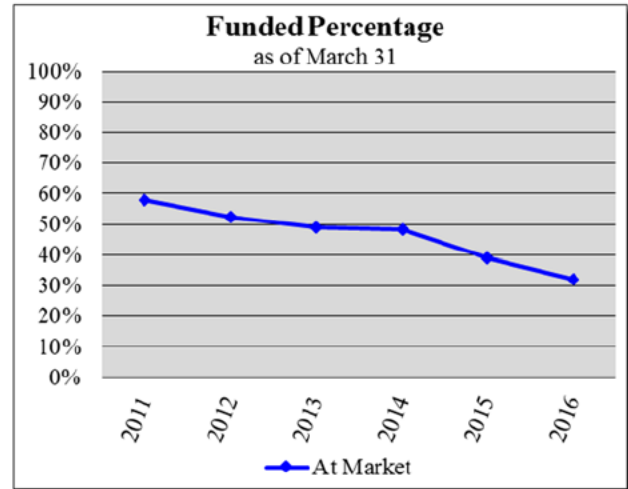
Plan Year Ending 3/31	Contribution Income	Weighted Average Contribution Rate	Estimated Total Units of Employment
2013	\$ 1,616,634	\$ 257.85	6,270
2014	1,784,266	293.24	6,085
2015	1,770,559	296.18	5,978
2016	\$ 1,582,883	\$ 301.07	5,258



The employment assumption included in the valuation is 4,997 total units annually.

4.3.4 Funded Percentage

Plan Years Ending <u>3/31</u>	Market Value <u>of Assets</u>	Present Value of <u>Accrued Benefits</u>	Funded <u>Percentage</u>
2011	\$ 77,615,659	\$ 134,175,975	57.8%
2012	71,300,012	136,331,942	52.3
2013	67,919,811	138,241,282	49.1
2014	66,933,598	138,296,016	48.4
2015	62,149,280	158,912,439	39.1
2016	\$ 51,672,207	\$ 163,427,314	31.6%



The Funded Percentage is a statistic commonly followed by Trustees. It provides an alternative measure of the Plan’s current level of funding. The Funded Percentage compares the market value of assets to the value of benefits accrued as of the valuation date. Based on the market value of assets of \$51,672,207 and the total value of accumulated benefits of \$163,427,314, the Funded Percentage is 31.6% as of March 31, 2016.

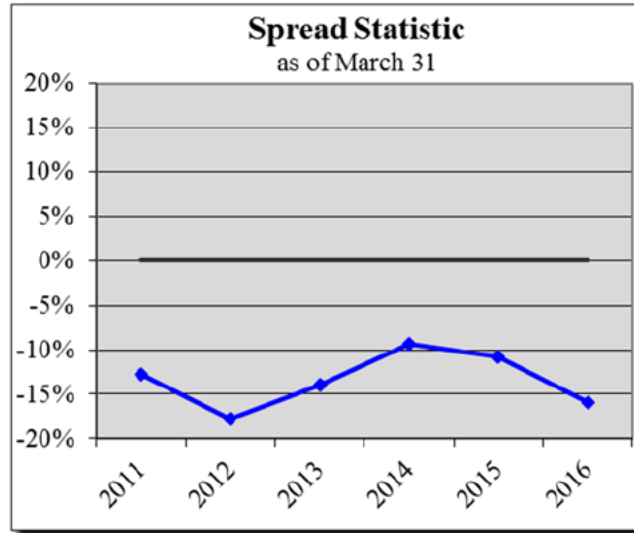
The fact that the Funded Percentage is under 100% means that there are unfunded accumulated benefits when valuing the Plan on an ongoing basis. It does not necessarily imply that the Plan is underfunded on a long term basis because it makes no consideration of future contributions relative to future costs. The Margin is the best single statistic to get a sense of how well funded the Plan is on a long term basis.

Moreover, the Funded Percentage is not a measure of funding on a Plan termination basis. That would require a different interest assumption.

The Funded Percentage as per the Pension Protection Act uses the actuarial value of assets and is 36.7% as of March 31, 2016.

4.3.5 Actuarial Value of Assets Expressed as a % of Market Value

Plan Years Ending 3/31	Actuarial Value of Assets	Actuarial Assets as a Percent of Market
2011	\$ 87,486,251	112.7%
2012	83,943,698	117.7
2013	77,394,976	114.0
2014	73,161,479	109.3
2015	68,843,795	110.8
2016	\$ 59,927,451	116.0%



The three primary measures that help an actuary assess how well funded a plan is on a long-term basis are:

1. Margin,
2. Gain/loss analysis and an assessment of assumptions, and
3. Spread, defined as the difference between the market and actuarial value of assets expressed as a percentage of the market value of assets.

The margin and assumptions were covered in earlier sections.

The third factor is the Spread statistic. When positive it represents a cushion to help offset potential future unfavorable investment experience. Conversely, when the actuarial value is greater than the market value the Spread turns negative. When this is the case future investment returns over and above the assumed return are necessary over time to restore the market value of assets equal to the actuarial value.

Currently the Spread is -16.0%.

4.3.6 Summary of Withdrawal Payments by Employer

Employers Continuing to Make Quarterly Payments

<u>Employer</u>	Total Payments As of <u>3/31/2016</u>	Expected Annual Payments 2016 <u>and Beyond</u>
Center Candy	\$ 0	\$77,338
YRC	<u>0</u>	<u>136,104</u>
Total	\$ 0	\$ 213,442

4.4 Pension Protection Act

The Plan continues to be in the Red Zone as of April 1, 2016 because it has a funding deficiency. Moreover, the Plan is in Critical and Declining Status (a Red Zone category) as of 4/1/2016 due to the following:

- The Plan meets the criteria for Critical Status, and
- The Plan is projected to become insolvent in the current or next 19 years and
- The Plan's ratio of inactive to active participants is in excess of 2 to 1.

The following is a history of the Plan's Zone Status under the Pension Protection Act:

<u>As of 4/1</u>	<u>Zone Status</u>
2008 – 2014	Critical (Red)
2015-2016	Critical and Declining (Red)

The Trustees have implemented a "reasonable measures" Rehabilitation Plan (RP) as per the Pension Protection Act (PPA) intended to forestall insolvency under IRC §432(e)(3)(A)(ii). The Rehabilitation Plan and important dates are as follows:

Adoption Period:	4/01/2008 – 3/31/2011
Rehabilitation Period:	4/01/2011 – 3/31/2024

Original Rehabilitation Plan

1) Default Schedule

Benefit Changes to Plan

Future accruals decreased to 1% of employer contributions

Elimination of the following adjustable benefits:

- "25-Years-and-Out"
- "20-Years-and-Out"
- Disability Retirement

Contribution Requirements

12.4% increases annually

2) Preferred Schedule

Benefit Changes to Plan

Future accruals decreased to 1% of employer contributions

Elimination of the following adjustable benefits for participants who do not have at least 20 years of Credited Service as of April 1, 2009:

- "25-Years-and-Out"
- "20-Years-and-Out"

Contribution Requirements

13.3% increases annually

3) Alternative Schedule

Benefit Changes to Plan
None

Contribution Requirements
Must contribute \$556 per participant per month

- The Alternative Schedule only applies to participants employed by Yellow Freight.

Update as of April 1, 2014

1) Default Schedule

Benefit Changes to Prior RP

Accruals not to exceed \$50 per year of Credited Service.

Contribution Requirements
3.0% increases annually

2) Preferred Schedule (Also referred to as Alternative Schedule II)

Benefit Changes to Prior RP

The monthly accrual rates per year of Credited Service for each Plan Year beginning April 1, 2014 are as follows:

<u>Year</u>	<u>Accrual</u>
2014	\$ 35.00
2015	35.65
2016	36.40
2017	37.10
2018	\$ 38.25

For Plan Years beginning after March 31, 2019, the accrual increases 3% annually. In no case would accruals exceed \$50 per year of Credited Service or be less than the accrual rate in effect as of March 31, 2014.

Contribution Requirements

The monthly contribution rates each Plan Year beginning April 1, 2014 are as follows:

<u>Year</u>	<u>Rate</u>
2014	\$ 291.61
2015	297.44
2016	303.39
2017	\$ 309.46

For Plan Years beginning on or after April 1, 2018, contributions will increase 3% per year. Notwithstanding the preceding sentence, in no event shall the contribution rate per participant determined under this updated RP, effective April 1, 2014, result in a contribution rate per participant for any employer that is less than the contribution rate per participant that was in effect for such employer as of March 31, 2014.

3) Alternative Schedule I

Benefit Changes to Prior RP
No changes

Contribution Requirements
No changes

Update as of November 30, 2016

1) Default Schedule

Benefit Changes to Prior RP
No changes

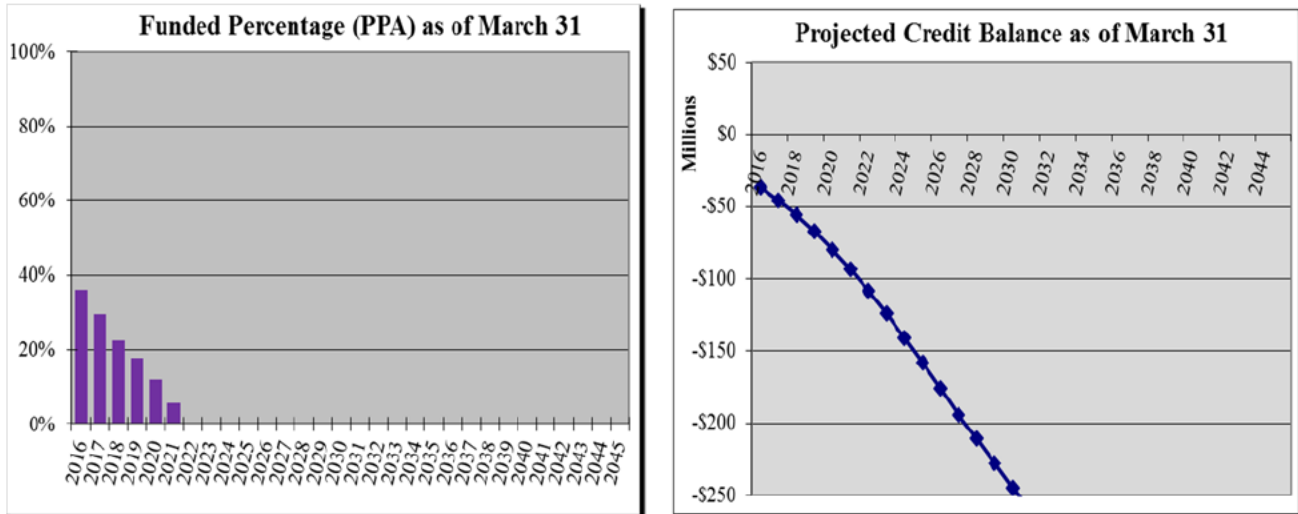
Contribution Requirements
No changes

2) Preferred Schedule (Also referred to as Alternative Schedule II)

Benefit Changes to Prior RP
80% increases to the contribution rate in effect for the prior year per for each year through the Plan Year ending 3/31/2024, beginning as of the end of the current CBA.

Contribution Requirements
For increases not already bargained for and ratified under a current collective bargaining agreement as of the date this RP update is provided to the bargaining parties, there are no increases in contributions.

The charts below show the Plan's projected funded percentage and credit balance as of the 3/31/2016 snapshot date. These charts assume that there are no gains or losses on demographic assumptions and that the market value of assets returns the assumed rate of 6.50%.



Explanation of Why Plan is not Expected to Emerge from Critical Status

The severe economic downturn of 2008 has created a tremendous funding burden related to the investment loss and reduction in employment (future contributions). As a result, the plan sponsor determined that, based on reasonable actuarial assumptions and upon exhaustion of all reasonable measures, the plan cannot reasonably be expected to emerge from critical status by the end of the rehabilitation period.

Next the Trustees considered reasonable measures to emerge from critical status at a later time. The Trustees believed that such required contribution increases would cause employers to withdraw from the Plan leading to insolvency, financial assistance from the PBGC, and benefit cuts.

Based upon the above, the Trustees have selected the schedule of benefits described above as permitted by IRC §432(e)(3)(A)(ii), also known as a “reasonable measures” schedule, which is intended to forestall insolvency.

5. ASC No. 960 Disclosures

5.1 Present Value of Accumulated Plan Benefits

As of March 31, 2016

A. Present Value of Vested Benefits:	
1. Participants currently receiving payments	\$ 113,013,788
2. Other vested benefits	<u>49,961,337</u>
3. Subtotal vested benefits	\$ 162,975,125
B. Present Value of Non-Vested Benefits	<u>452,189</u>
C. Present Value of Accumulated Benefits (A+B)	\$ 163,427,314

The ASC No. 960 values were computed using the same assumptions as those used for determining funding requirements.

5.2 Reconciliation of Changes in Present Value of Accumulated Benefits

A. Present Value of Accumulated Benefits at Prior Valuation Date	\$ 158,912,439
B. Changes During the Year Due to:	
1. Benefits accumulated and net gains	3,350,036
2. Benefits paid	(11,704,972)
3. Assumption changes	2,538,264
4. Method changes	0
5. Plan amendments	0
6. Passage of time	<u>10,331,547</u>
7. Total change	\$ 4,514,875
C. Present Value of Accumulated Benefits at Current Valuation Date	\$ 163,427,314

6. Government Reporting

6.1 Summary of Assumptions

These are the assumptions used for the ongoing valuation calculations, unless otherwise noted.

Interest Rate 6.50% per annum

The long-term funding rate assumption is based upon expected returns for the asset classes selected under the Plan's investment policy. The expected asset returns were generated using a building block approach that includes inflation expectation and anticipated risk premiums for each asset class.

Mortality
 Healthy

RP-2014 healthy mortality with blue collar adjustment, separate for male and female participants, adjusted with mortality improvement Scale MP-2014 from 2015.

Disabled

RP-2014 disabled mortality, separate for male and female participants, adjusted with mortality improvement Scale MP-2014 from 2015.

The mortality rates are based upon historical and current demographic data, as well as future demographic expectations and professional judgment.

Termination

Sarason T-8 Table

The termination rates are based upon historical and current demographic data, as well as future demographic expectations and professional judgment.

Retirement Age

<u>Age</u>	<u>Percent Retiring</u>
55	20%
56-61	5%
62	25%
63-64	5%
65	70%
66	50%
67+	100%

If the participant had at least 20 years of Credited Service as of April 1, 2009, there is a one-time additional retirement incidence of 60% when the participant reaches age 55 and at least 25 years of Credited Service. This additional incidence applies immediately for participants who are already age 55 with 25 years of Credited Service.

The retirement rates are based upon historical and current demographic data, as well as future demographic expectations and professional judgment.

Employment

4,997 total months annually

The future employment assumption is based upon the current Plan population, and includes input from the Plan sponsor regarding its expectation of future employment.

Percent Married	80%
	The marital assumption is based upon future demographic expectations and professional judgment.
Age of Spouse	Females are 3 years younger than their spouses.
	The expected spouse age is based upon historical and current demographic data, as well as future demographic expectations and professional judgment.
Expenses	\$440,000 payable at the beginning of the year
	The Plan expense assumption is based upon historical expense experience, adjusted for future expense expectations.
Value of Assets	Average Fair Market Value (without-phase-in). Averaging period is 3 years. Adjusted under the Pension Relief Act of 2010 for a 10-year recognition of the 2008/2009 Plan Year loss.
Funding Method	Unit Credit
Interest Rate for Withdrawal Liability:	6.50% per annum
RPA '94 Current Liability Assumptions	Interest: 3.23%; Last year 3.40% was used Mortality: As per IRS Regulation §1.430(h)(3)-1
Defined Contribution Dollars	The liabilities were grossed up to include the value of the defined contribution plan for certain YRCW participants. Pursuant to the audit, this amount is \$112,477 as of March 31, 2016.
Assumption Changes	The retirement assumption was change from: Participants with 20 years of Credited Service as of April 1, 2009 are assumed to retire 3.25 years following 25 years of Credited Service for those credits accrued through March 31, 2005. The remaining credits accrued after April 1, 2005 are assumed to be payable at age 55. Participants with fewer than 20 years of Credited Service as of April 1, 2009 are assumed to retire upon age 65 and 5 Years of Participation. To the following table:

<u>Age</u>	<u>Percent Retiring</u>
55	20%
56-61	5%
62	25%
63-64	5%
65	70%

66	50%
67+	100%

If the participant had at least 20 years of Credited Service as of April 1, 2009, there is a one-time additional retirement incidence of 60% when the participant reaches age 55 and at least 25 years of Credited Service. This additional incidence applies immediately for participants who are already age 55 with 25 years of Credited Service.

The future service assumption was reduced from 5,910 months per year to 4,997 months, due to an employer withdrawal.

The assumed interest rate was changed from 6.75% per year to 6.50%

6.2 Summary of Plan Provisions

Participation	Immediate		
Credited Service	<u>Effective</u>	<u>Definition</u>	
	March 31, 2010 and prior	1,000 hours equals one year	
	April 1, 2010 and after	1/12 th of a year for each month or part thereof for which a contribution is obligated to be made	
Vesting Credit	1,000 hours equals one year		
Break Year	A year with less than 501 hours worked		
Suspension of Benefits	A member's benefit is suspended while working over the Hour Threshold while in Prohibited Employment.		
Prohibited Employment	Work in an industry covered by the Plan in the same geographical area covered by the Plan		
Hours Threshold	40 hours per month, except as follows:		
		<u>Credited Service</u>	<u>Hours Threshold</u>
	<u>Age</u>		
	50	25 years	70
	65	15 years	70

Normal Retirement Pension

Age requirement: 65

Service requirement: Five years of Credited Service, or the fifth anniversary of participation

Amount: (Preferred Schedule)	<u>Monthly Benefit per year of Credited Service</u>		
	<u>Period</u>	<u>YRC</u>	<u>Non-YRC</u>
	Prior to 4/1/2005	\$100	\$100
	4/1/2005-3/31/2006	\$100	\$0
	4/1/2006-3/31/2010	\$50	\$50
	4/1/2010 and after*	1% of contributions	1% of contributions

* The monthly accrual for this period is 1/12 of \$50 per month of Credited Service earned until the Participant's employer switched to the 1% formula. The accrual will not exceed \$50 per month in any case.

Minimum for Participants who worked prior to January 1, 1999 who earn 15 or more years of Credited Service:

<u>YRC</u>	<u>Non-YRC</u>
\$2,500	\$2,100

Early Retirement Pension

Age requirement 55

Service requirement 15 years of Credited Service

Amount Normal Retirement actuarially reduced, with a minimum as below.
 Minimum for Participants who worked prior to January 1, 1999.

	<u>YRC</u>	<u>Non-YRC</u>
55	\$ 800	\$ 672
56	877	737
57	991	833
58	1,109	931
59	1,247	1,048
60	1,380	1,159
61	1,559	1,309
62	1,751	1,471
63	1,950	1,638
64	2,200	1,848
65	\$ 2,500	\$ 2,100

25-Year Service Retirement Pension

Rehabilitation Plan: Preferred Schedule

The following was eliminated for all Participants except those with at least 20 years of Credited Service earned through April 1, 2009.

Age requirement None

Service requirement 25 years of Credited Service

 Must have worked on or after January 1, 1999

Amount: Age Monthly Benefit

 Less than 55 Benefit earned prior to 4/1/2005 unreduced

 55 and older Entire benefit unreduced

The benefit payable is based on the Participant's age on the date the payment is made, not the age of retirement.

Rehabilitation Plan: Default Schedule

Removed from Plan for all Participants not in pay status

20-Year Service Pension

Rehabilitation Plan: Preferred Schedule

The following was eliminated for all Participants except those with at least 20 years of Credited Service earned through April 1, 2009.

Age requirement	None
Service requirement	20 years of Credited Service, with at least 20 years of Credited Service earned through April 1, 2009 Must have worked on or after January 1, 1999
Amount	\$1,250 per month

Rehabilitation Plan: Default Schedule

Removed from Plan for all Participants not in pay status

Disability Retirement Pension

Rehabilitation Plan: Preferred Schedule

Age requirement	55
Service requirement	15 years of Credited Service
Amount	Normal Retirement Pension

Rehabilitation Plan: Default Schedule

Removed from Plan for all Participants not in pay status

Vested Pension

Age requirement:	None
Service requirement:	5 years
Amount:	For Participants who did not work prior to January 1, 1999: The Early Retirement Pension or Normal Retirement Pension as appropriate For Participants with less than 15 years of Credited Service who worked prior to January 1, 1999, the greater of their actuarially reduced Early Retirement Pension, or the minimum Early Retirement Pension table above, multiplied by a fraction: <ul style="list-style-type: none"> • The numerator of the fraction is the Participant's years of Credited Service • The denominator of the fraction is 30

Pre-retirement death

Married

Age requirement:	None
Service requirement:	5 years
Amount:	100% of the benefit Participant would have received had he retired the day before he died and elected the 100% joint and survivor option. Benefits commence to beneficiary when Participant would have first been eligible to retire.

Non-Married None

Post-retirement death

Qualified Joint & Survivor Annuity If married, pension benefits are paid in the form of an actuarially reduced joint and survivor annuity unless this form is rejected by Participant and spouse. If rejected, or if not married, benefits are payable for the life of the Participant.

6.3 Recent Plan Changes

Effective 4/1/2014 (RP update)	<p>Plan Change</p> <p>Preferred Plan</p> <ul style="list-style-type: none">• Accruals are not to exceed \$50 per year. <p>Default Plan</p> <ul style="list-style-type: none">• Accruals are not to exceed \$50 per year.
2/24/2009 (RP)	<p>Preferred Plan</p> <ul style="list-style-type: none">• The accrual rate was reduced to 1% of annual employer contributions.• The 20-Year Service Pension and 25-Year Service Pension was removed for Participants who did not have 20 years of Credited Service as of April 1, 2009. <p>Default Plan</p> <ul style="list-style-type: none">• The accrual rate was reduced to 1% of annual employer contributions.• The 20-Year Service Pension and 25-Year Service Pension was removed for all Participants.• The Disability Retirement Pension was removed for all Participants not in pay status.
3/31/2005	<p>Effective March 31, 2005, all benefits accrued under the Plan were frozen and no additional benefits would accrue for all active participants except those employed by Yellow Freight. However, an arbitrator's decision awarded the frozen participants a \$50 per month accrual for the period April 1, 2006 to March 31, 2007 and the Trustees approved a \$50 per month accrual for the period April 1, 2007 to March 31, 2009.</p>

6.4 Contribution Rates by Employer

		Plan Year ending 3/31/2017		
		(a)	(b)	(c)
<u>Employer</u>		<u>Expected Months</u>	<u>Monthly Cont. Rate</u>	<u>Expected Annual Conts. (a) x (b)</u>
YRC		9	\$ 317.20	\$ 2,855
Tobacco		527	303.39	159,887
Panasonic		357	350.00	139,230
IBT 805		29	390.00	10,150
Harold Levinson Associates		<u>4,075</u>	\$ 303.39	<u>1,236,314</u>
Total		4,997		\$ 1,548,536

Average expected monthly contribution rate (a) / (c) / 12: \$309.87

6.5 Funding Standard Account and Minimum Required Contributions

Rules for determining minimum required and maximum deductible contributions are set forth in IRC Sections 431 and 404, respectively. Since deductibility may be affected by factors not considered here, the deductibility and timing of contributions should be reviewed with tax counsel.

	<u>Actual</u> <u>2016</u>	<u>Projected</u> <u>2017</u>
For Plan Year ending March 31:		
Charges to the FSA:		
a. Funding Deficiency	\$ 28,943,893	\$ 36,717,078
b. Normal cost	908,193	896,807
c. Amortization charges	8,144,333	8,859,388
d. Interest on a, b and c	<u>2,564,758</u>	<u>3,020,763</u>
e. Total charges	\$ 40,561,177	\$ 49,494,036
Credits to FSA:		
f. Credit Balance at beginning of year	\$ 0	\$ 0
g. Employer contributions (including withdrawal payments)	1,582,883	1,689,183
h. Amortization credits	2,072,902	2,064,939
i. Interest on above	<u>188,314</u>	<u>183,972</u>
j. Total credits	\$ 3,844,099	\$ 3,938,094
Credit Balance at end of year	\$ (36,717,078)	\$(45,555,942)
Minimum Required Contribution (e - (f + h) x (1.065))	\$ 38,348,354	\$47,294,876
Minimum Without Regard to the Credit Balance (e - h x (1.065))	\$38,348,354	\$47,294,876

A Plan's Credit Balance represents a cumulative measure of all prior contributions (since the initial ERISA effective date) against all prior minimum requirements. If cumulative contributions exceed cumulative minimums, then the Plan will maintain a Credit Balance which can be used to offset any current year minimum requirements. As of 3/31/2016, the Plan has a Funding Deficiency of \$(36,717,078). The minimum requirement for the year ending 3/31/2017 is \$47,294,876 .

6.6 Maximum Deductible Contribution

A. Traditional Maximum Deductible	\$ 14,883,816
B. 140% of Projected RPA Current Liability, less Projected Actuarial Value of Assets	266,131,230
C. Minimum Required Contribution	<u>47,294,876</u>
D. Greatest of A, B, and C	\$ 266,131,230

The maximum allowable deduction for the fiscal year ending 3/31/2017 is \$266,131,230. To be deductible for a given fiscal year, a contribution should be made by the time the tax return for that fiscal year is filed with the IRS (including extensions). Specific advice on the deductibility of contributions and timing should be reviewed with your tax counsel.

6.7 Current Liability at Beginning of Plan Year

Current liability is the present value of accrued benefits under the Plan using actuarial assumptions as prescribed by the Retirement Protection Act of 1994 (RPA '94). The liability is determined using the same assumptions used to determine the Plan's funding requirements, except for the interest rate and mortality table. These values are used for specific, prescribed purposes.

RPA '94 Current Liability:

A. Assumptions:

- | | |
|--------------------|--------------------------------------|
| 1. Interest rate | 3.23% |
| 2. Mortality table | As per IRS Regulation §1.430(h)(3)-1 |

B. RPA '94 Current Liability

	<u>Vested Benefits</u>	<u>Total Benefits</u>
1. Retirees and beneficiaries receiving payments	\$ 142,792,445	\$ 142,792,445
2. Inactive vested participants	40,425,695	40,425,695
3. Actives	<u>43,600,361</u>	<u>44,339,157</u>
4. Total	\$ 226,818,501	\$ 227,557,297

C. Expected Increase in Liability \$ 903,187

D. Expected Benefits To Be Paid During the Year \$ 11,704,972

6.8 Amortization Schedule for Minimum Required Contribution

Amortization Charges

<u>Date Established:</u>	<u>Base Type</u>	<u>Outstanding Balance</u>	<u>Years Remaining</u>	<u>Amortization Amount</u>
2005	Combined and offset	\$ 20,743,457	10.927	\$ 2,544,892
2006	Actuarial Loss	4,220,388	10	551,245
2006	Plan Amendment	464,432	25	35,751
2007	Actuarial Loss	2,770,629	11	338,342
2007	Plan Amendment	289,349	26	21,924
2008	Actuarial Loss	3,098,338	12	356,580
2009	Actuarial Loss	8,724,234	8	1,345,394
2010	Actuarial Loss	246,606	9	34,788
2011	Actuarial Loss	909,741	10	118,826
2012	Actuarial Loss	1,553,651	11	189,728
2013	Actuarial Loss	2,811,473	12	323,565
2014	Actuarial Loss	520,022	13	56,779
2015	Assumption Change	20,556,358	14	2,141,345
2016	Actuarial Loss	5,475,101	15	546,753
2016	Assumption Change	<u>\$2,538,264</u>	15	<u>\$253,476</u>
Total Charges		\$ 74,922,043		\$ 8,859,388

Amortization Credits

<u>Date Established:</u>	<u>Base Type</u>	<u>Outstanding Balance</u>	<u>Years Remaining</u>	<u>Amortization Amount</u>
2008	Funding Method	\$ (630,166)	2	\$ (325,001)
2008	Assumption Change	(3,959,113)	7	(677,813)
2009	Plan Amendment (RP)	(443,876)	8	(68,452)
2009	Method Change	(2,676,578)	3	(948,930)
2015	Experience Gain	<u>(429,525)</u>	14	<u>\$ (44,743)</u>
Total Credits		\$ (8,139,258)		\$ (2,064,939)
Total		\$ 66,782,785		\$ 6,794,449

6.9 Equation of Balance

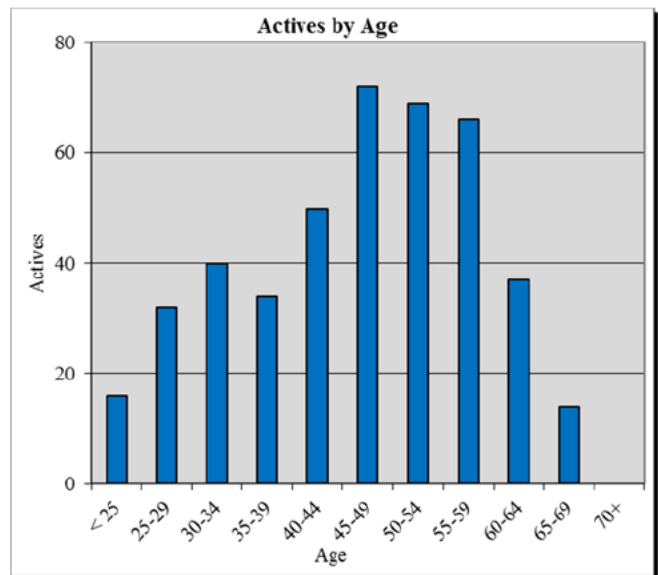
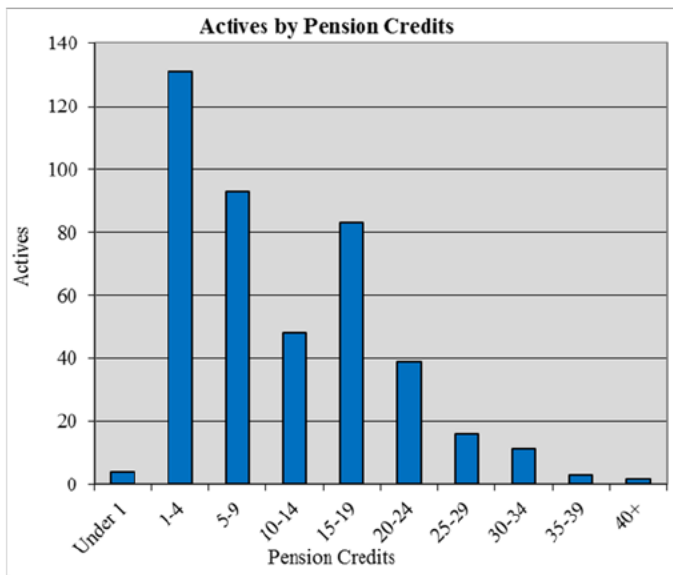
A. Net Outstanding Balance of Bases	\$ 66,782,785
B. Credit Balance	<u>\$ (36,717,078)</u>
C. Unfunded Actuarial Accrued Liability (A-B)	\$ 103,499,863

7. Data Summary

7.1 Actives by Age and Credited Service

	<u>0-1</u>	<u>1-4</u>	<u>5-9</u>	<u>10-14</u>	<u>15-19</u>	<u>20-24</u>	<u>25-29</u>	<u>30-34</u>	<u>35-39</u>	<u>Over 40</u>	<u>Total</u>
20-24	1	15									16
25-29	1	25	6								32
30-34		17	18	5							40
35-39		12	9	5	8						34
40-44	1	17	16	2	14						50
45-49		22	14	13	16	6	1				72
50-54	1	7	15	9	17	12	5	2	1		69
55-59		12	7	9	14	13	6	5			66
60-64		3	6	4	10	6	3	3	2		37
65-69		1	2	1	4	2	1	1		2	14
Over 70											0
Unknown											0
Total	4	131	93	48	83	39	16	11	3	2	430

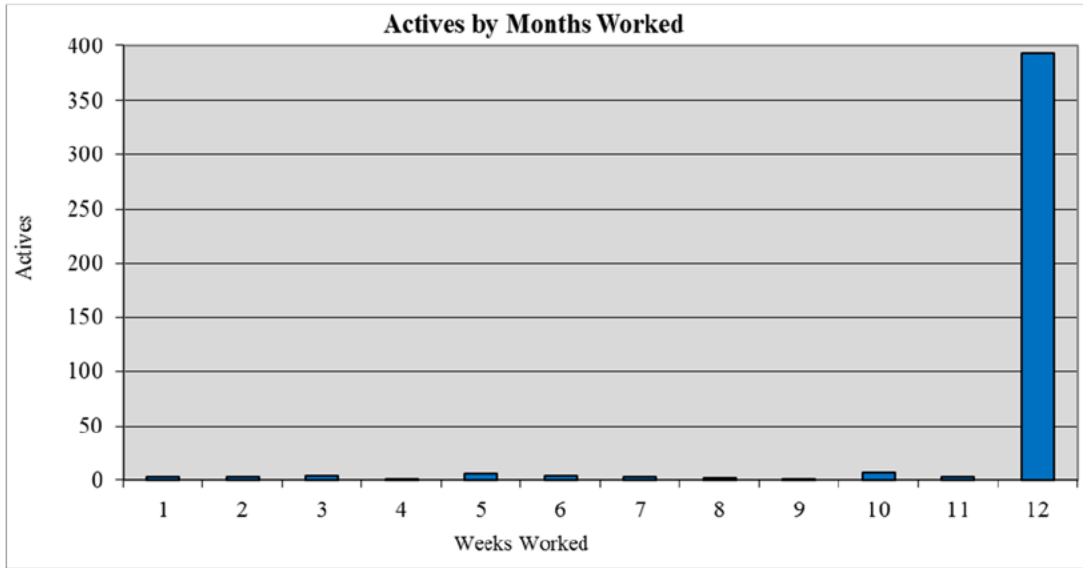
The average age of the actives is 46.6 and the average pension service is 11.5 years.



7.2 Distribution of Months Worked

<u>Months</u>	<u>Count</u>
1	3
2	3
3	4
4	1
5	6
6	4
7	3
8	2
9	1
10	7
11	3
12	<u>393</u>

Total 430

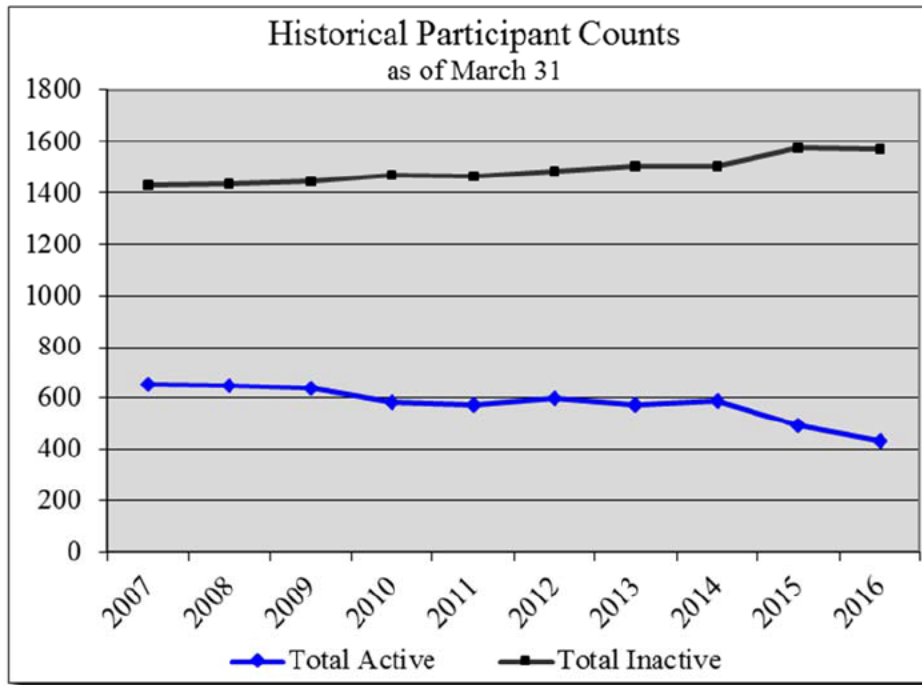


7.3 Flow of Lives

	<u>Actives</u>	<u>Inactive Vested</u>	<u>Disabled</u>	<u>Retired & Beneficiaries</u>	<u>Total</u>
Beginning of year	492	608	13	952	2,065
To Inactive Vested	-12	12			
Terminated Non-Vested	-51				-51
To Retired	-10	-24		34	
To Disabled					
New Alternate Payee					
Deaths		-1		-43	-44
Returned to work					
New entrants	11				11
New Beneficiaries				13	13
Data adjustments		1		2	3
End of year	430	596	13	958	1,997

7.4 Historical Participation

<u>As of</u> <u>March 31</u>	<u>Active</u>	<u>Separated</u> <u>Vested</u>	<u>Retired</u>	<u>Total</u>
2007	650	460	970	2,080
2008	647	456	977	2,080
2009	638	482	960	2,080
2010	583	508	963	2,054
2011	569	514	952	2,035
2012	597	521	964	2,082
2013	569	536	966	2,071
2014	588	544	960	2,092
2015	492	608	965	2,065
2016	430	596	971	1,997



7.5 New Pensioners

<u>Class</u>	<u>Count</u>	Average <u>Age</u>	<u>Monthly Pension</u>		
			<u>Min</u>	<u>Average</u>	<u>Max</u>
Disabled					
Normal	18	67.9	\$ 150	\$ 1,131	\$ 3,055
Early	<u>18</u>	<u>58.1</u>	<u>151</u>	<u>875</u>	<u>1,984</u>
Total	36	63.0	\$ 150	\$ 1,003	\$ 3,055

<u>Class</u>	<u>Count</u>	Average <u>Age</u>	<u>Monthly Pension</u>		
			<u>Min</u>	<u>Average</u>	<u>Max</u>
Survivor	13	74.5	\$ 122	\$ 675	\$ 1,411
Alternate Payee					
Total	13	74.5	\$ 122	\$ 675	\$ 1,411

7.6 All Pensioners

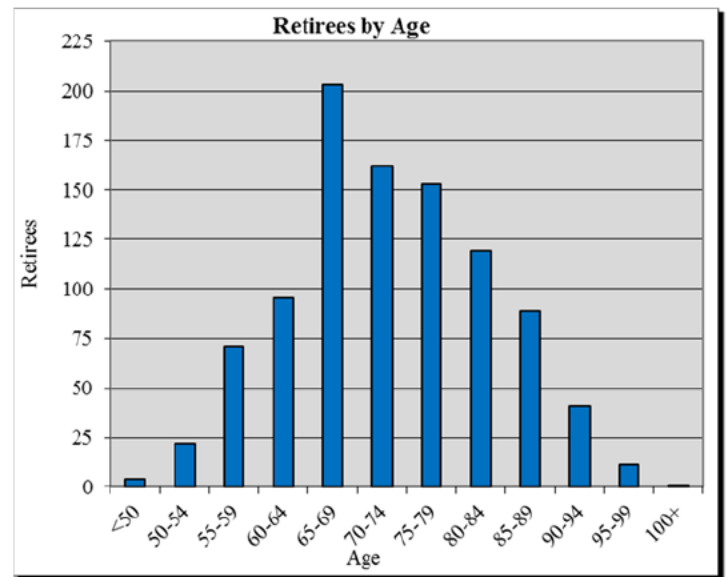
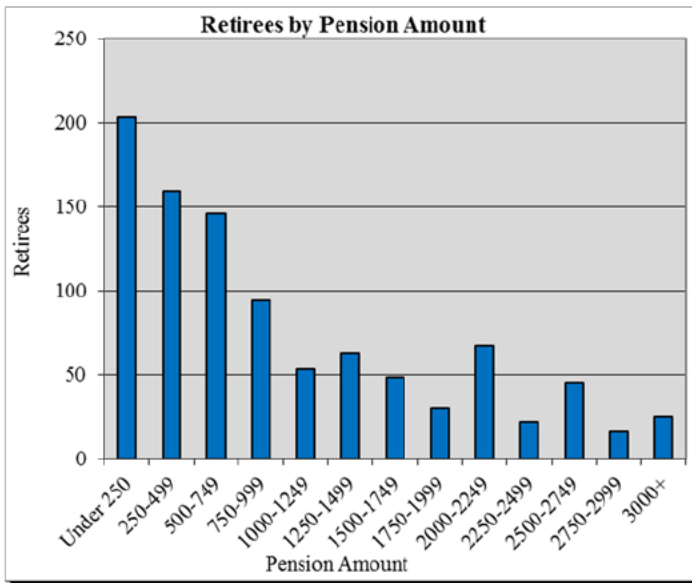
<u>Class</u>	<u>Count</u>	Average <u>Age</u>	<u>Monthly Pension</u>		
			<u>Min</u>	<u>Average</u>	<u>Max</u>
Disabled	13	64.6	\$ 1,365	\$ 1,945	\$ 3,265
Normal	173	76.8	45	1,229	5,594
Early	<u>617</u>	<u>71.3</u>	<u>7</u>	<u>1,043</u>	<u>3,800</u>
Subtotal	803	72.4	\$ 7	\$ 1,098	\$ 5,594

<u>Class</u>	<u>Count</u>	Average <u>Age</u>	<u>Monthly Pension</u>		
			<u>Min</u>	<u>Average</u>	<u>Max</u>
Survivor	166	77.8	\$ 5	\$ 557	\$ 2,601
Alternate Payee	<u>2</u>	<u>56.2</u>	<u>155</u>	<u>503</u>	<u>850</u>
Subtotal	<u>168</u>	<u>77.6</u>	<u>\$ 5</u>	<u>\$ 554</u>	<u>\$ 2,601</u>
Grand Total	971	73.3	\$ 5	\$ 1,004	\$ 5,594

7.7 Distribution of Monthly Pensions

	<u>\$0-249</u>	<u>\$250-499</u>	<u>\$500-749</u>	<u>\$750-999</u>	<u>\$1,000-1,249</u>	<u>\$1,250-1,499</u>	<u>\$1,500-1,749</u>	<u>\$1,750-1,999</u>	<u>\$2,000-2,249</u>	<u>\$2,250-2,499</u>	<u>\$2,500-2,749</u>	<u>\$2,750-2,999</u>	<u>\$3,000+</u>	<u>Total</u>
<50			2		2									4
50-54			2	2	1	3	4	3	7					22
55-59	10	4	13	4	6	4		6	9	7	8			71
60-64	19	17	10	9	3	7	6	4	4	3	9	4		95
65-69	36	35	28	14	6	14	7	7	19	7	13	8	9	203
70-74	43	26	24	9	7	9	11	4	11	3	7	1	7	162
75-79	49	26	18	14	7	7	11	2	6	1	5	2	5	153
80-84	27	21	17	13	13	10	5	1	5	1	2	1	3	119
85-89	13	15	18	21	3	6	4	3	4		1		1	89
90-94	5	10	11	7	4	3			1					41
95-99	1	4	3	1	1				1					11
100+		1												1
Unk.														
Total	203	159	146	94	53	63	48	30	67	22	45	16	25	971

The average age of the retirees is 73.3 and the average pension is \$1,004.



7.8 Distribution of Separated/Vested Participant Accrued Monthly Pensions

	\$0 -249	\$250 -499	\$500 -749	\$750 -999	\$1,000 -1,249	\$1,250 -1,499	\$1,500 -1,749	\$1,750 -1,999	\$2,000 -2,249	\$2,250 -2,499	2,500+	Total
<25												0
25-29	5	2										7
30-34	9	7	3									19
35-39	8	25	17	7					2			59
40-44	4	33	20	9	1				5			72
45-49	11	33	19	16	2				8			89
50-54	26	18	21	34	12	3			7	1		122
55-59	21	29	18	15	5	1			15		1	105
60-64	26	20	9	9	5	4	1		2			76
65-69	9	9	4	1	1							24
70-74	11	4		1	1							17
75+	3	1	1	1								6
Total	133	181	112	93	27	8	1	0	39	1	1	596

The average age of the separated vested is 51.6 and the average accrued benefit is \$614.

