

City of Jacksonville
Self-Insurance Program
Interim Actuarial Review
As of March 31, 2018

Firm: **AMI Risk Consultants, Inc.**
1336 SW 146th Ct.
Miami, Florida 33184
(305) 273-1589

Contact: Bob Ingco, FCAS, MAAA, CPCU, ARM

Date: June 15, 2018

June 15, 2018

Ms. Bibinia Centeno, CGFO
Financial and Administrative Manager
City of Jacksonville
117 W. Duval St. Suite 335
Jacksonville, FL 32202

VIA E-MAIL
BCenteno@coj.net

Dear Ms. Centeno:

We are pleased to submit to you our final report on the Interim Actuarial Review of the City of Jacksonville's Self-Insurance Program as of March 31, 2018.

We ask, as always, that you review the Background section of the report on Pages 6-7 for any changes that may be needed.

Change in Outstanding Claim Liability (Loss Reserve)

| Change in Loss Reserve Estimates (\$000's) Discounted at 4% - Expected Confidence Level - Excluding ULAE | | | | |
|---|---------------------------------|---|---|---------------|
| Agency | Program | Estimated Liability as of September 30, 2017 | Estimated Liability as of March 31, 2018 | Change |
| City | (i) Workers Compensation | | | |
| | (a) Sheriff H&H | \$23,540 | \$27,327 | 3,787 |
| | (b) Fire H&H | 28,212 | 34,269 | 6,057 |
| | (c) Sheriff Non-H&H | 13,405 | 13,858 | 453 |
| | (d) Fire Non-H&H | 12,157 | 13,363 | 1,205 |
| | (e) Other Non-H&H | 8,653 | 7,338 | (1,316) |
| | (ii) General liability | | | |
| | (a) Sheriff | 2,294 | 2,422 | 127 |
| | (b) Fire | 23 | 21 | (2) |
| | (c) Other City | 5,441 | 5,446 | 6 |
| (iii) Automobile Liability | (a) Sheriff | 1,979 | 2,151 | 172 |
| | (b) Fire | 406 | 512 | 106 |
| | (c) Other City | 577 | 505 | (72) |
| JEA | (i) Workers Compensation | 2,437 | 2,514 | 78 |
| | (ii) General liability | 941 | 581 | (361) |
| | (iii) Automobile Liability | 388 | 639 | 251 |
| JEA-WS | (i) Workers Compensation | 569 | 665 | 95 |
| | (ii) General liability | 594 | 780 | 186 |
| | (iii) Automobile Liability | 0 | 0 | - |
| JHA | (i) Workers Compensation | 489 | 417 | (72) |
| | (ii) General liability | 257 | 350 | 93 |
| | (iii) Automobile Liability | 37 | 31 | (6) |
| JPA | (i) Workers Compensation | 125 | 239 | 114 |
| | (ii) General liability | 6 | 5 | (1) |
| | (iii) Automobile Liability | 0 | 6 | 6 |
| JAA | (i) Workers Compensation | 223 | 292 | 69 |
| | (ii) General liability | 0 | 0 | - |
| | (iii) Automobile Liability | 0 | 0 | - |
| TOTAL | | \$102,753 | \$113,729 | 10,976 |

The increase in Heart and Hypertension estimates was caused by a change in the payout pattern assumed for discounting. That pattern had extended for 35 years.

We had originally planned to extend loss development assumptions to 35 years as well for Heart and Hypertension claims. However, our understanding now is that the City has taken initiatives over the past few years to limit the duration of these claims. Consequently, at this time, we do not plan to extend the loss development assumptions beyond 25 years. The payout pattern underlying the discount factors has therefore been limited to 25 years as well.

This increase is a one-time impact as a result of the change in discounting assumptions. However, we cannot rule out further increases in the H&H reserves in the future due to either the volume of new claims, the adverse development of prior years' claims or the failure to contain claim development within the 25-year period.

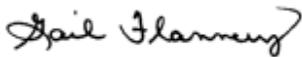
Comparison of Projected Ultimate for Fiscal Year 2018/2019

We have also compared our estimates of the projected ultimate losses for fiscal year 2018/2019 from the September 2017 valuation to March 2018. You can find this on Page 2B of the Summary Exhibit following the written report. As you will see, those estimates have decreased by **\$575 thousand (or -1.9%)** from the previous valuation.

We appreciate the cooperation and courtesies extended to us during the course of the engagement. Should further questions about the report arise, please do not hesitate to contact us.

Thank you for the opportunity to work with you on this project.

Sincerely,



Gail Flannery, FCAS, MAAA
Consulting Actuary

cc: Twane Duckworth

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Section I – Actuarial Report

Self-Insurance Program

Actuarial Review

March 31, 2018

Purpose

The City of Jacksonville (“the City”) has engaged the services of AMI Risk Consultants, Inc. (“AMI”) to perform the following for its self-insurance program:

- Estimate the funding requirement for ***outstanding loss and loss adjustment expense (“LAE”) liabilities*** at March 31, 2018 to comply with Government Accounting Standards Board Statement Number 10 (“GASB 10”).
- Estimate the funding requirement for ***new claims*** that will occur during prospective fiscal years through 2022/2023.

The City’s fiscal year-end is September 30. This report is an interim review using loss data valued as of March 31, 2018.

Terminology

The *funding requirement* for an accident period is the liability retained for claims that occur during that period. The funding requirement for *outstanding claim liabilities* includes:

- Case reserves for reported claims; and
- Incurred but not reported (“IBNR”) reserves.

For this report the term “*losses*” means losses and *allocated loss adjustment expense* (“ALAE”), unless otherwise indicated.

Funding for outstanding *unallocated loss adjustment expenses* (“ULAE”) is estimated separately from losses and ALAE. This is a provision for expenses that cannot be associated with a specific claim.

The term “*reserves*” or “*loss reserves*” is commonly used in the insurance industry to mean outstanding claim liability as of a given date, and may appear in this report with that meaning.

Discounting

Funding estimates are sometimes discounted to reflect expected investment income that will be earned on the assets backing claim liabilities before those liabilities are actually paid out.

Reserve estimates in this report are shown on a *discounted* basis. Projected losses for new claims occurring in future years are presented *undiscounted*.

Confidence Levels

Funding estimates sometimes include a margin to increase the likelihood that the estimated liability will be sufficient to cover the actual claims that emerge over time. Including such a margin is said to increase the “confidence level” of the estimate.

**GASB 10
Affirmation**

We affirm the General Liability and Automobile Liability estimates contained in this report are consistent with GASB Statement No. 10.

The Workers' Compensation Heart and Hypertension reserve estimates contained in this report provide for loss development through age 300 months (or 25 years). This development period was selected in accordance with the City's plan to gradually strengthen funding for tail liability.

The City has been actively engaged (since 2014) in an initiative to settle lifetime Workers' Compensation claims and to limit the number of such claims extending beyond age 20 years.

**Acknowledgment
of Qualifications**

Aguedo M. (Bob) Ingco is a consulting actuary and President of AMI Risk Consultants, Inc. He is a Fellow of the Casualty Actuarial Society and a Member of the American Academy of Actuaries. Mr. Ingco meets the qualification standards of the American Academy of Actuaries to provide the estimates in this report.

**Distribution
and
Use**

This report is for the internal use of the management of City of Jacksonville and their independent auditors. We suggest that the user of this report review a complete copy as parts considered out of context might be misleading.

Conclusions***Funding for Outstanding Claim Liabilities at March 31, 2018***

We estimated the following funding for outstanding claim liabilities at March 31, 2018. This is the estimated amount needed to settle unpaid losses and LAE incurred on or before March 31, 2018. The estimates below are shown on a discounted basis. These estimates have been reduced by anticipated investment income.

**Funding for Outstanding Liabilities at Retention
As of March 31, 2018
Discounted at 4% – Expected Confidence Level
(‘000s)**

| Program | Loss & ALAE Reserve | ULAE Reserve |
|-----------------------|--------------------------------|---------------------|
| Workers’ Compensation | \$100,282 | \$5,014 |
| General Liability | 9,604 | 1,921 |
| Automobile Liability | 3,844 | 769 |
| GRAND TOTAL | \$113,729 | \$7,704 |

**Conclusions
(continued)**

***Funding for New Claims Occurring During Fiscal Years 2017/2018
through 2022/2023***

Our estimated funding for prospective fiscal years is as follows. These are the necessary amounts to fund the ultimate cost of new claims occurring in the next fiscal policy periods.

**Funding for New Claims
Undiscounted – Expected Confidence Level
('000s)**

| Program | Retention | 2017/2018 | 2018/2019 |
|-----------------------|------------------|------------------|------------------|
| Workers' Compensation | \$1.25MM | \$22,461 | \$22,743 |
| General Liability | \$1.5MM | 3,992 | 4,331 |
| Automobile Liability | \$1.5MM | 2,213 | 2,186 |
| GRAND TOTAL | | \$28,665 | \$29,260 |

| Program | Retention | 2019/2020 | 2020/2021 |
|----------------------|------------------|------------------|------------------|
| Workers Compensation | \$1.25MM | \$23,608 | \$24,599 |
| General Liability | \$1.5MM | 4,435 | 4,543 |
| Automobile Liability | \$1.5MM | 2,230 | 2,274 |
| GRAND TOTAL | | \$30,273 | \$31,416 |

| Program | Retention | 2021/2022 | 2022/2023 |
|----------------------|------------------|------------------|------------------|
| Workers Compensation | \$1.25MM | \$25,584 | \$26,603 |
| General Liability | \$1.5MM | 4,653 | 4,765 |
| Automobile Liability | \$1.5MM | 2,320 | 2,366 |
| GRAND TOTAL | | \$32,556 | \$33,734 |

Background

The City administers a self-insured workers' compensation and liability program. The liability program includes general liability, automobile liability and other liability (law enforcement, contractual and other tort claims).

The self-insurance program includes the following agencies:

- City of Jacksonville (City)
- Jacksonville Electric Authority (JEA)
- Jacksonville Electric Authority-Water and Sewer (JEA-WS)
- Jacksonville Housing Authority (JHA)
- Jacksonville Port Authority (JPA)
- Jacksonville Aviation Authority (JAA)

For Workers' Compensation, the **City of Jacksonville** segregates claims into five components:

1. Sheriff Heart and Hypertension (HHS)
2. Fire Heart and Hypertension (HHF)
3. Sheriff Non-Heart and Hypertension (CTS)
4. Fire Non-Heart and Hypertension (CTF)
5. Other City Non-Heart and Hypertension (CTY).

For General Liability and Automobile Liability, the **City of Jacksonville** segregates claims into three components:

1. Fire
2. Sheriff
3. Other City.

The City has historically handled litigation and claims management internally. ALAE and ULAE were not recorded in the underlying loss experience.

Effective 10/1/12, however, the City began using outside attorneys for Worker's Compensation. ALAE for Workers' Compensation is therefore included in the loss experience since that date.

Estimates of ULAE in this report include the City's internal legal expenses for Liability, but exclude any allowance for internal legal expenses for Workers' Compensation.

**Background
(continued)**

Since the inception of self-insurance, excess coverage has been purchased for Workers' compensation, with the self-insured retentions shown below.

Workers' Compensation Self-Insured Retentions

| Claim Period | Per Occurrence Self-Insured Retention |
|----------------------|--|
| 10/01/77 to 09/30/80 | \$500,000 |
| 10/01/80 to 09/30/82 | \$1,000,000 |
| 10/01/82 to 10/31/86 | \$250,000 |
| 11/01/86 to 09/30/02 | \$1,000,000 |
| 10/01/02 to 9/30/13 | \$1,200,000 |
| 10/01/13 to 9/30/18 | \$1,250,000 |

The City retains losses excess of \$1,500,000 up to a \$500,000 annual aggregate.

Liability claims for municipalities are statutorily limited in Florida as follows:

Statutory Limits – Liability Claims

| Claim Period | Per Person / Per Occurrence Limits |
|--------------------|------------------------------------|
| Prior to 10/1/81 | \$50,000/\$100,000 |
| 10/1/81 to 9/30/11 | \$100,000/\$200,000 |
| 10/1/11 and later | \$200,000/\$300,000 |

These limits are not applicable, however, to actions brought in federal courts or to claims relief bills approved by the Florida legislature. The City purchases excess coverage to limit its liability in these instances.

For General Liability, the self-insured retentions are as follows:

General Liability Self-Insured Retentions

| Claim Period | Per Occurrence Self-Insured Retention |
|----------------------|--|
| 10/01/77 to 09/30/80 | \$500,000 |
| 10/01/80 to 09/30/82 | \$1,000,000 |
| 10/01/82 to 10/31/86 | \$250,000 |
| 11/01/86 to 09/30/02 | \$1,000,000 |
| 10/01/02 to 09/30/11 | \$5,000,000 |
| 10/01/11 to 9/30/13 | Group A - \$2,500,000 |
| | Group B and Fungi/Bacteria - \$5,000,000 |
| 10/1/13 to 9/30/18 | \$1,500,000 |

Historically the automobile liability retention has followed the workers' compensation retention shown above. Effective 10/1/13, however, the liability self-insured retention became \$1,500,000.

**Reliance and
Limitations**

In performing the analysis, we relied without audit or verification on the following information furnished by the City:

- Incurred and paid losses by accident year and agency as of March 31, 2018 for the following coverages:
 1. Workers' Compensation
 2. General Liability
 3. Automobile Liability

In addition we relied on loss development histories by coverage compiled by the City's prior actuary.

While performing the review, we spoke with Ms. Bibinia Centeno, Financial and Administrative Manager for the City, Mr. Mitchell Perin, and Mr. Twane Duckworth, Chief of Risk Management.

Calculations of reserves are subject to potential errors of estimation because the ultimate liability for claims is subject to the outcome of events yet to occur, e.g., jury decisions and attitudes of claimants with respect to settlements. In projecting loss emergence, we assumed that historical loss development patterns are predictive of future patterns. We have not anticipated any extraordinary changes in the legal, social or economic environment that might affect the ultimate cost of claims.

We cannot reasonably estimate the uncertainties that ultimate liabilities are subject to. Therefore, while we believe our assumptions and methods are reasonable, we cannot guarantee that actual results will not differ, perhaps substantially, from our estimates.

Section II – Actuarial Approach

**Actuarial
Approach**

Funding for Outstanding Claim Liabilities at March 31, 2018

To estimate the total reserves as of March 31, 2018, we first estimated ultimate losses by accident period. Cumulative paid losses were subtracted from ultimate losses to estimate total loss reserves.

To estimate ultimate losses we used the following actuarial approaches. These approaches were applied separately by accident period and by coverage.

- *Incurred Loss Development Approach (ILDA)*
- *Paid Loss Development Approach (PLDA)*
- *Bornhuetter-Ferguson Incurred Loss Approach (BFILA)*
- *Bornhuetter-Ferguson Paid Loss Approach (BFPLA)*
- *Loss Rate Approach (LRA)*

*Description of
the methods we
used to estimate
the reserves as
of March 31,
2018*

Incurred Loss Development Approach (ILDA)

Under the ILDA, we multiplied incurred losses to date by the appropriate loss development factors to estimate ultimate losses.

Paid Loss Development Approach (PLDA)

The PLDA is similar to the ILDA. Instead of multiplying incurred losses by loss development factors, we multiplied paid losses by the appropriate loss development factors to estimate ultimate losses.

Bornhuetter-Ferguson Incurred Loss Approach (BFILA)

Under the BFILA, we summed actual incurred losses and expected unreported losses to estimate projected ultimate losses.

Bornhuetter-Ferguson Paid Loss Approach (BFPLA)

Under the BFPLA, we summed actual paid losses and expected unpaid losses to estimate projected ultimate losses.

These approaches were applied to losses and ALAE net of specific excess recoveries.

The initial ultimate loss assumptions for the BFILA and BFPLA were determined using a selected loss rate for each coverage. The loss rates were selected from those indicated by the ILDA and PLDA.

**Actuarial
Approach
(continued)**

Loss Rate Approach (LRA) – Most Recent Accident Period

To react to the immaturity of the paid and incurred losses for the most recent accident period, we used the Loss Rate Approach (“LRA”) **in lieu of the BFILA and BFPLA**. Under the LRA, a loss rate is estimated for the most recent accident period by trending ultimate losses divided by exposures of prior accident periods. This loss rate is multiplied by the exposure of the most recent accident period to estimate that period’s ultimate losses.

Loss Development Factors

Loss development factors for all coverages are based on the City’s own history.

The selected Workers’ Compensation loss development factors for Heart and Hypertension assume no development beyond age 300 months (or 25 years). As agreed with the City, factors beyond that age will be phased-in over time.

Allocation of Reserves to Agencies

Worker’s Compensation reserves for each accident period were allocated to non-City agencies based on the distribution of case reserves. Liability reserves were allocated to the City and to non-City agencies in the same manner.

**Actuarial
Approach
(continued)**

*The steps we
used to estimate
the funding for
future fiscal
years*

Funding for New Claims Occurring During Future Fiscal Years

To estimate the ultimate losses for prospective fiscal years by coverage, we followed these steps:

- Estimated the historical loss rates by accident year. Loss rates are selected ultimate losses divided by the appropriate exposures.
 - Extrapolated the historical loss rates to future years, including any adjustments required for changes in retention.
 - Multiplied the extrapolated loss rates by the projected exposures for those years.
-

Section III – Results and Calculations

**Results of
Calculations**

**Funding for Outstanding Claim Liabilities at March 31, 2018 – By Agency
and Program**

We estimated the following funding for outstanding claim liabilities at March 31, 2018.

**Funding for Outstanding Liabilities at Retention
As of March 31, 2018
Discounted at 4%– Expected Confidence Level
(*000s)**

| Agency | Program | Loss & ALAE Reserve | ULAE Reserve |
|--------------------------------|--|--|---|
| (A) City | (i) Workers' Compensation (a) Sheriff H&H (b) Fire H&H (c) Sheriff Non-H&H (d) Fire Non-H&H (e) Other Non-H&H (ii) General liability (a) Sheriff (b) Fire (c) Other City (iii) Automobile Liability (a) Sheriff (b) Fire (c) Other City | \$27,327 34,269 13,858 13,363 7,338 2,422 21 5,446 2,151 512 505 | \$1,366 1,713 693 668 367 484 4 1,089 430 102 101 |
| (B) JEA | (i) Workers' Compensation (ii) General liability (iii) Automobile Liability | 2,514 581 639 | 126 116 128 |
| (C) JEA-WS | (i) Workers' Compensation (ii) General liability (iii) Automobile Liability | 665 780 0 | 33 156 0 |
| (D) JHA | (i) Workers' Compensation (ii) General liability (iii) Automobile Liability | 417 350 31 | 21 70 6 |
| (E) JPA | (i) Workers' Compensation (ii) General liability (iii) Automobile Liability | 239 5 6 | 12 1 1 |
| (F) JAA | (i) Workers' Compensation (ii) General liability (iii) Automobile Liability | 292 0 0 | 15 0 0 |
| (G) Total Sum of (A) to (F) | (i) Workers' Compensation (ii) General liability (iii) Automobile Liability | 100,282 9,604 3,844 | 5,014 1,921 769 |
| GRAND TOTAL | | \$113,729 | \$7,704 |

**Results of
Calculations
(continued)**

The ULAE reserves are based on the following factors, stated as a percentage of loss reserves:

Worker's Compensation **5.0%**
Liability **20.0%**

Funding for New Claims Occurring During Fiscal Years 2017/2018 and 2018/2019– By Agency and Program

Our estimated funding for the next two fiscal years is as follows.

**Funding for New Claims
Undiscounted – Expected Confidence Level
(*000s)**

| Agency | Program | Retention | 2017/2018 | 2018/2019 |
|-----------------------------|----------------------------|------------------|------------------|------------------|
| (A) City | (i) Workers' Compensation | \$1.25MM | | |
| | (a) Sheriff H&H | | 6,625 | 6,823 |
| | (b) Fire H&H | | 4,025 | 4,469 |
| | (c) Sheriff Non-H&H | | 4,406 | 4,057 |
| | (d) Fire Non-H&H | | 2,787 | 2,667 |
| | (e) Other Non-H&H | | 2,830 | 2,932 |
| | (ii) General liability | \$1.5 MM | | |
| | (a) Sheriff | | 644 | 846 |
| | (b) Fire | | 19 | 26 |
| | (c) Other City | | 2,121 | 2,219 |
| | (iii) Automobile Liability | \$1.5 MM | | |
| | (a) Sheriff | | 1,051 | 1,130 |
| | (b) Fire | | 179 | 261 |
| (c) Other City | | 351 | 306 | |
| (B) JEA | (i) Workers' Compensation | \$1.25MM | 921 | 1,062 |
| | (ii) General liability | \$1.5MM | 432 | 503 |
| | (iii) Automobile Liability | \$1.5MM | 605 | 465 |
| (C) JEA-WS | (i) Workers' Compensation | \$1.25MM | 302 | 130 |
| | (ii) General liability | \$1.5MM | 713 | 608 |
| | (iii) Automobile Liability | \$1.5MM | 0 | 0 |
| (D) JHA | (i) Workers' Compensation | \$1.25MM | 136 | 196 |
| | (ii) General liability | \$1.5MM | 56 | 117 |
| | (iii) Automobile Liability | \$1.5MM | 13 | 16 |
| (E) JPA | (i) Workers' Compensation | \$1.25MM | 156 | 107 |
| | (ii) General liability | \$1.5MM | 7 | 12 |
| | (iii) Automobile Liability | \$1.5MM | 14 | 8 |
| (F) JAA | (i) Workers' Compensation | \$1.25MM | 273 | 300 |
| | (ii) General liability | \$1.5MM | 0 | 0 |
| | (iii) Automobile Liability | \$1.5MM | 0 | 0 |
| (G) Total Sum of (A) to (F) | (i) Workers' Compensation | \$1.25MM | 22,461 | 22,743 |
| | (ii) General liability | \$1.5MM | 3,992 | 4,331 |
| | (iii) Automobile Liability | \$1.5MM | 2,213 | 2,186 |
| GRAND TOTAL | | | \$28,665 | \$29,260 |

Section IV – Description of Attached Exhibits

Attached Exhibits

The Summary Exhibit has the following pages:

- Page 1- shows the estimated discounted loss and LAE reserves as of March 31, 2018 at the expected confidence level.
- Page 2 shows the summary of undiscounted funding for fiscal years 2017/2018 and 2018/2019 at the expected confidence level.
- Page 3 shows the summary of undiscounted funding for fiscal year 2018/2019 at various confidence levels.
- Page 4 shows the calculation of the ULAE ratio for Workers' Compensation.
- Page 5 shows the calculation of the ULAE ratio for Liability.
- Page 6 shows the reconciliation of estimated undiscounted reserves as of September 30, 2017 with AMI's reserve as of March 31, 2018.

We also prepared the following exhibits:

The City's Workers' compensation analysis is divided into separate components.

Exhibit I - Sheriff Heart and Hypertension

Exhibit II - Fire Heart and Hypertension

Exhibit III - Sheriff Non-Heart and Hypertension

Exhibit IV - Fire Non-Heart and Hypertension

Exhibit V - Other City (non-sheriff and non-fire) Non-Heart and Hypertension

Exhibit VI - Non-City Agencies Non-Heart and Hypertension.

The Liability coverages are Exhibits VII and VIII:

Exhibit VII – General Liability

Exhibit VIII – Automobile Liability.

We prepared Exhibit IX to show the calculation of the discount factors using an assumed annual rate of return for investments maturing during the expected claim payout period.

Exhibit X shows calculation of the loss reserves on a discounted basis.

Exhibit XI shows the calculation of workers' compensation paid loss cash flow for fiscal year 2018/2019.

Exhibit XII shows the calculation of expected incurred losses between 9/30/2018 and 9/30/2019 for the workers' compensation coverage.

**Attached
Exhibits
(continued)**

Exhibits I to V have 8 pages. Each page relates to the following:

- Page 1 shows how we estimated the undiscounted loss reserves at March 31, 2018 at the expected confidence level.
- Page 2 shows calculation of ultimate losses using the ILDA and PLDA.
- Page 3 shows the calculation of ultimate losses using the BFILA and BFPLA.
- Page 4 shows the selection of initial loss rate for the Bornhuetter-Ferguson Approaches.
- Pages 5A through 5D show the calculation of historical incurred loss development factors; pages 5E through 5H show the calculation of historical paid loss development factors; 5I and 5J shows the calculation of historical reported claim count development factors.
- Page 6 shows the calculation of ultimate claim frequency and ultimate claim severity.
- Page 7 shows the calculation of projected ultimate losses for fiscal years 2018/2019 and 2019/2020 on an undiscounted basis, and at various confidence levels.
- Page 8A reconciles the undiscounted reserves as of March 31, 2018 with the undiscounted reserves as of September 30, 2017. It quantifies each component that impacts the change in reserve between periods, and thereby allows you to easily analyze what caused reserve increases or decreases. The components shown are: (1) payments made against the prior reserve, (2) any change in the estimate of ultimate losses for prior years, (3) estimated ultimate losses for the new accident period less payments already made.

**Attached
Exhibits
(continued)**

- Page 8B shows the comparison of ultimate losses between March 31, 2018 and September 30, 2017.
- Page 8C shows the comparison of paid losses between March 31, 2018 and September 30, 2017.

Exhibits VI, VII and VIII have 7 pages. Each relates to the following.

- Page 1 shows how we estimated the undiscounted loss reserves at March 31, 2018 at the expected confidence level.
 - Page 2 shows calculation of ultimate losses using the ILDA and PLDA.
 - Page 3 shows the calculation of ultimate losses using the BFILA and BFPLA.
 - Page 4 shows the selection of initial loss rate for the Bornhuetter-Ferguson Approaches.
 - Pages 5A through 5D show the calculation of historical incurred loss development factors; pages 5E through 5H show the calculation of historical paid loss development factors; 5I and 5J shows the calculation of historical reported claim count development factors.
-

**Attached
Exhibits
(continued)**

- Page 6 shows the calculation of ultimate claim frequency and ultimate claim severity.
- Page 7A reconciles the undiscounted reserves as of March 31, 2018 with the undiscounted reserves as of September 30, 2017.
- Page 7B shows the comparison of ultimate losses between March 31, 2018 and September 30, 2017.
- Page 7C shows the comparison of paid losses between March 31, 2018 and September 30, 2017.

Exhibits VI has the following subsections:

- VI-A- JEA
- VI-B- JEA-WS
- VI-C- JHA
- VI-D- JPA
- VI-E- JAA

Exhibits VII and VIII have the following subsections:

- VII-A and VIII-A – Other City
 - VII-B and VIII-B – Sheriff
 - VII-C and VIII-C – Fire
 - VII-D and VIII-D – J EA
 - VII-E and VIII-E - JEA-WS
 - VII-G and VIII-F - JHA
 - VII-G and VIII-G - JPA
 - VII-H and VIII-H - JAA
-

**Attached
Exhibits
(continued)**

For these subsections, there are 3 pages. Each relates to the following:

- Page 1 shows the allocation of undiscounted reserves at the expected confidence level.
- Page 2 shows the calculation of projected ultimate losses for fiscal years 2018/2019 and 2022/2023 on an undiscounted basis.
- Page 3A reconciles the undiscounted reserves as of March 31, 2018 with the undiscounted reserves as of September 30, 2017.
- Page 3B shows the comparison of ultimate losses between March 31, 2018 and September 30, 2017.
- Page 3C shows the comparison of paid losses between March 31, 2018 and September 30, 2017.

Exhibit IX shows the calculation of discount factors.

Exhibit X shows the calculation of discounted reserves.

Exhibit XI shows the calculation of paid loss cashflow.

Exhibit XII shows the calculation of expected incurred loss in the next fiscal year.

Also attached is Appendix A which shows the list of large claims with incurred loss greater than \$150,000.

Section V – Summary Exhibit

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
ESTIMATED LOSS AND LAE RESERVES
DISCOUNTED AT 4%
ALL COVERAGES COMBINED
LIMITED TO RETENTION
(AMTS IN THOUSANDS)

| AGENCY | PROGRAM | DISCOUNTED at 4% EXPECTED CONFIDENCE LEVEL | |
|------------------------------|-----------------------------------|---|---------------------|
| | | LOSS & ALAE RESERVE (1) | ULAE RESERVE (2) |
| (A) CITY | (i) Workers compensation | | |
| | <i>(a) Sheriff H&H</i> | \$27,327 | \$1,366 |
| | <i>(b) Fire H&H</i> | 34,269 | 1,713 |
| | H&H Subtotal | 61,596 | 3,080 |
| | <i>(c) Sheriff Non-H&H</i> | 13,858 | 693 |
| | <i>(d) Fire Non-H&H</i> | 13,363 | 668 |
| | <i>(e) Other Non-H&H</i> | 7,338 | 367 |
| | Non H&H Subtotal | 34,559 | 1,728 |
| | WC Subtotal | 96,154 | 4,808 |
| | (ii) General liability | | |
| | <i>(a) Sheriff</i> | 2,422 | 484 |
| | <i>(b) Fire</i> | 21 | 4 |
| | <i>(c) Other City</i> | 5,446 | 1,089 |
| | (iii) Automobile liability | | |
| | <i>(a) Sheriff</i> | 2,151 | 430 |
| | <i>(b) Fire</i> | 512 | 102 |
| <i>(c) Other City</i> | 505 | 101 | |
| Liability Subtotal | 11,057 | 2,211 | |
| TOTAL | | \$107,211 | \$7,019 |
| (B) JEA | (i) Workers compensation | 2,514 | 126 |
| | (ii) General liability | 581 | 116 |
| | (iii) Automobile liability | 639 | 128 |
| | Liability Subtotal | 1,219 | 244 |
| TOTAL | | \$3,734 | \$370 |
| (C) JEA-WS | (i) Workers compensation | 665 | 33 |
| | (ii) General liability | 780 | 156 |
| | (iii) Automobile liability | 0 | 0 |
| | Liability Subtotal | 780 | 156 |
| TOTAL | | \$1,445 | \$189 |
| (D) JHA | (i) Workers compensation | 417 | 21 |
| | (ii) General liability | 350 | 70 |
| | (iii) Automobile liability | 31 | 6 |
| | Liability Subtotal | 381 | 76 |
| TOTAL | | \$798 | \$97 |
| (E) JPA | (i) Workers compensation | 239 | 12 |
| | (ii) General liability | 5 | 1 |
| | (iii) Automobile liability | 6 | 1 |
| | Liability Subtotal | 10 | 2 |
| TOTAL | | \$249 | \$14 |
| (F) JAA | (i) Workers compensation | 292 | 15 |
| | (ii) General liability | 0 | 0 |
| | (iii) Automobile liability | 0 | 0 |
| | Liability Subtotal | 0 | 0 |
| TOTAL | | \$292 | \$15 |
| (G) TOTAL (A)-(F) | (i) Workers compensation | 100,282 | 5,014 |
| | (ii) General liability | 9,604 | 1,921 |
| | (iii) Automobile liability | 3,844 | 769 |
| | Liability Subtotal | 13,448 | 2,690 |
| GRAND TOTAL | | \$113,729 | \$7,704 |

Notes:

- (1) = Per Exhibit X:
Pages 1 to 5, Column (3) for Workers' Compensation - City.
Page 6, Columns (5) to (9) for Workers' Compensation - Non-City.
Pages 7 to 8, Columns (5) to (13) for General and Automobile Liability.
(2) = (1) x ULAE Factors from Summary Exhibit, Pages 5 and 6.

**CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
SUMMARY OF FUNDING FOR NEW CLAIMS FOR FUTURE FISCAL YEARS
EXPECTED CONFIDENCE LEVEL
(\$AMOUNTS IN THOUSANDS)**

| RETENTION: WORKER'S COMPENSATION \$1.25MM; LIABILITY \$1.5MM | | | |
|---|-----------------------------------|--|-----------------|
| AGENCY | PROGRAM | FUNDING FOR NEW CLAIMS - UNDISCOUNTED EXPECTED CONFIDENCE LEVEL | |
| | | 2017/2018 | 2018/2019 |
| (A) CITY | (i) Workers compensation | | |
| | <i>(a) Sheriff H&H</i> | 6,625 | 6,823 |
| | <i>(b) Fire H&H</i> | 4,025 | 4,469 |
| | H&H Subtotal | 10,650 | 11,292 |
| | <i>(c) Sheriff Non-H&H</i> | 4,406 | 4,057 |
| | <i>(d) Fire Non-H&H</i> | 2,787 | 2,667 |
| | <i>(e) Other Non-H&H</i> | 2,830 | 2,932 |
| | Non H&H Subtotal | 10,023 | 9,656 |
| | WC Subtotal | 20,673 | 20,948 |
| | (ii) General liability | | |
| | <i>(a) Sheriff</i> | 644 | 846 |
| | <i>(b) Fire</i> | 19 | 26 |
| | <i>(c) Other City</i> | 2,121 | 2,219 |
| | (iii) Automobile liability | | |
| | <i>(a) Sheriff</i> | 1,051 | 1,130 |
| <i>(b) Fire</i> | 179 | 261 | |
| <i>(c) Other City</i> | 351 | 306 | |
| Liability Subtotal | 4,365 | 4,788 | |
| TOTAL | | \$25,038 | \$25,736 |
| (B) JEA | (i) Workers compensation | 921 | 1,062 |
| | (ii) General liability | 432 | 503 |
| | (iii) Automobile liability | 605 | 465 |
| | Liability Subtotal | 1,037 | 968 |
| TOTAL | | \$1,958 | \$2,030 |
| (C) JEA-WS | (i) Workers compensation | 302 | 130 |
| | (ii) General liability | 713 | 608 |
| | (iii) Automobile liability | 0 | 0 |
| | Liability Subtotal | 713 | 608 |
| TOTAL | | \$1,015 | \$738 |
| (D) JHA | (i) Workers compensation | 136 | 196 |
| | (ii) General liability | 56 | 117 |
| | (iii) Automobile liability | 13 | 16 |
| | Liability Subtotal | 69 | 133 |
| TOTAL | | \$204 | \$329 |
| (E) JPA | (i) Workers compensation | 156 | 107 |
| | (ii) General liability | 7 | 12 |
| | (iii) Automobile liability | 14 | 8 |
| | Liability Subtotal | 21 | 20 |
| TOTAL | | \$177 | \$127 |
| (F) JAA | (i) Workers compensation | 273 | 300 |
| | (ii) General liability | 0 | 0 |
| | (iii) Automobile liability | 0 | 0 |
| | Liability Subtotal | 0 | 0 |
| TOTAL | | \$273 | \$300 |
| (G) TOTAL (A)-(F) | (i) Workers compensation | 22,461 | 22,743 |
| | (ii) General liability | 3,992 | 4,331 |
| | (iii) Automobile liability | 2,213 | 2,186 |
| | Liability Subtotal | 6,204 | 6,517 |
| GRAND TOTAL | | \$28,665 | \$29,260 |

Notes:

All estimates shown at the expected confidence level.

Workers' Compensation - City - per Exhibits I-V, Page 8A.

Workers' Compensation - Non-City - per Exhibit VI-A - VI-E, Page 2A.

General Liability - per Exhibit VII-B - VII-F, Page 2A.

For GL - City: Exhibit VII-A, Page 2A for Other than Fire and Sheriff, Page 4A for Sheriff claims, and Page 6A for Fire claims.

Automobile Liability - per Exhibit VIII-A - VIII-F, Page 2A.

For AL - City: Exhibit VIII-A, Page 2A for Other than Fire and Sheriff, Page 4A for Sheriff claims, and Page 6A for Fire claims.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
COMPARISON OF FUNDING FOR NEW CLAIMS FOR FISCAL YEAR 2018/2019
BETWEEN SEPTEMBER 30, 2017 AND MARCH 31, 2018
EXPECTED CONFIDENCE LEVEL
(\$AMOUNTS IN THOUSANDS)

RETENTION: WORKER'S COMPENSATION \$1.25MM; LIABILITY \$1.5MM

| AGENCY | PROGRAM | FUNDING FOR NEW CLAIMS - UNDISCOUNTED EXPECTED CONFIDENCE LEVEL 2018/2019 | | |
|------------------------------|-----------------------------------|--|-------------------|-------------------------------|
| | | @9/30/2017 (1) | @3/31/2018 (2) | DIFFERENCE (3) = (2) - (1) |
| (A) CITY | (i) Workers compensation | | | |
| | (a) Sheriff H&H | 7,604 | 6,823 | (781) |
| | (b) Fire H&H | 4,169 | 4,469 | 301 |
| | H&H Subtotal | 11,772 | 11,292 | (480) |
| | (c) Sheriff Non-H&H | 3,681 | 4,057 | 375 |
| | (d) Fire Non-H&H | 2,833 | 2,667 | (166) |
| | (e) Other Non-H&H | 3,655 | 2,932 | (723) |
| | Non H&H Subtotal | 10,170 | 9,656 | (514) |
| | WC Subtotal | 21,942 | 20,948 | (994) |
| | (ii) General liability | | | |
| | (a) Sheriff | 893 | 846 | (47) |
| | (b) Fire | 25 | 26 | 1 |
| | (c) Other City | 2,054 | 2,219 | 165 |
| | (iii) Automobile liability | | | |
| | (a) Sheriff | 1,245 | 1,130 | (115) |
| (b) Fire | 345 | 261 | (84) | |
| (c) Other City | 347 | 306 | (41) | |
| Liability Subtotal | 4,909 | 4,788 | (121) | |
| TOTAL | | \$26,851 | \$25,736 | (1,115) |
| (B) JEA | (i) Workers compensation | 894 | 1,062 | 168 |
| | (ii) General liability | 594 | 503 | (91) |
| | (iii) Automobile liability | 252 | 465 | 213 |
| | Liability Subtotal | 846 | 968 | 122 |
| TOTAL | | \$1,740 | \$2,030 | 290 |
| (C) JEA-WS | (i) Workers compensation | 131 | 130 | (1) |
| | (ii) General liability | 493 | 608 | 115 |
| | (iii) Automobile liability | 0 | 0 | 0 |
| | Liability Subtotal | 493 | 608 | 115 |
| TOTAL | | \$624 | \$738 | 114 |
| (D) JHA | (i) Workers compensation | 181 | 196 | 15 |
| | (ii) General liability | 68 | 117 | 49 |
| | (iii) Automobile liability | 16 | 16 | 0 |
| | Liability Subtotal | 84 | 133 | 49 |
| TOTAL | | \$265 | \$329 | 64 |
| (E) JPA | (i) Workers compensation | 86 | 107 | 21 |
| | (ii) General liability | 15 | 12 | (3) |
| | (iii) Automobile liability | 1 | 8 | 7 |
| | Liability Subtotal | 16 | 20 | 4 |
| TOTAL | | \$102 | \$127 | 25 |
| (F) JAA | (i) Workers compensation | 252 | 300 | 48 |
| | (ii) General liability | 0 | 0 | 0 |
| | (iii) Automobile liability | 1 | 0 | (1) |
| | Liability Subtotal | 1 | 0 | (1) |
| TOTAL | | \$253 | \$300 | 47 |
| (G) TOTAL (A)-(F) | (i) Workers compensation | 23,486 | 22,743 | (743) |
| | (ii) General liability | 4,142 | 4,331 | 189 |
| | (iii) Automobile liability | 2,207 | 2,186 | (21) |
| | Liability Subtotal | 6,349 | 6,517 | 168 |
| GRAND TOTAL | | \$29,835 | \$29,260 | (575) |

Notes:

All estimates shown at the expected confidence level.

(1) : From September 30, 2016 report, Summary Exhibit Page 2.

(2) - Per Summary Exhibit, 2A, current report (March 31, 2017).

(3) = (2) - (1).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
SUMMARY OF FUNDING FOR NEW CLAIMS FOR FISCAL YEAR 2018/2019
AT VARIOUS CONFIDENCE LEVELS
(SAMOUNTS IN THOUSANDS)

| AGENCY | PROGRAM | FUNDING FOR NEW CLAIMS FOR FISCAL YEAR 2018/2019 - UNDISCOUNTED | | | | | |
|--------------------------|-----------------------------------|---|-----------------|-----------------|-----------------|-----------------|-----------------|
| | | 55% | 70% | 75% | 80% | 85% | 90% |
| (A) CITY | (i) Workers compensation | | | | | | |
| | (a) Sheriff H&H | 6,823 | 8,152 | 8,574 | 8,989 | 9,517 | 10,260 |
| | (b) Fire H&H | 4,469 | 5,340 | 5,616 | 5,888 | 6,234 | 6,720 |
| | H&H Subtotal | 11,292 | 13,492 | 14,190 | 14,876 | 15,751 | 16,980 |
| | (c) Sheriff Non-H&H | 4,057 | 4,501 | 4,649 | 4,819 | 5,000 | 5,271 |
| | (d) Fire Non-H&H | 2,667 | 2,959 | 3,057 | 3,169 | 3,287 | 3,466 |
| | (e) Other Non-H&H | 2,932 | 3,254 | 3,361 | 3,484 | 3,614 | 3,810 |
| | Non H&H Subtotal | 9,656 | 10,713 | 11,066 | 11,472 | 11,901 | 12,547 |
| | WC Subtotal | 20,948 | 24,205 | 25,256 | 26,348 | 27,652 | 29,527 |
| | (ii) General liability | | | | | | |
| | (a) Sheriff | 846 | 982 | 1,027 | 1,083 | 1,148 | 1,240 |
| | (b) Fire | 26 | 30 | 32 | 33 | 35 | 38 |
| | (c) Other City | 2,219 | 2,577 | 2,694 | 2,840 | 3,011 | 3,253 |
| | (iii) Automobile liability | | | | | | |
| | (a) Sheriff | 1,130 | 1,307 | 1,375 | 1,452 | 1,549 | 1,690 |
| | (b) Fire | 261 | 302 | 318 | 335 | 358 | 390 |
| (c) Other City | 306 | 354 | 372 | 393 | 420 | 458 | |
| Liability Subtotal | 4,788 | 5,552 | 5,818 | 6,136 | 6,521 | 7,069 | |
| TOTAL | | \$25,736 | \$29,757 | \$31,074 | \$32,484 | \$34,173 | \$36,596 |
| (B) JEA | (i) Workers compensation | 1,062 | 1,178 | 1,217 | 1,262 | 1,309 | 1,380 |
| | (ii) General liability | 503 | 584 | 611 | 644 | 682 | 737 |
| | (iii) Automobile liability | 465 | 538 | 566 | 597 | 638 | 696 |
| | Liability Subtotal | 968 | 1,122 | 1,177 | 1,241 | 1,320 | 1,433 |
| | TOTAL | | \$2,030 | \$2,300 | \$2,394 | \$2,503 | \$2,629 |
| (C) JEA-WS | (i) Workers compensation | 130 | 144 | 149 | 154 | 160 | 169 |
| | (ii) General liability | 608 | 706 | 738 | 778 | 825 | 891 |
| | (iii) Automobile liability | 0 | 0 | 0 | 0 | 0 | 0 |
| | Liability Subtotal | 608 | 706 | 738 | 778 | 825 | 891 |
| | TOTAL | | \$738 | \$850 | \$887 | \$932 | \$985 |
| (D) JHA | (i) Workers compensation | 196 | 217 | 225 | 233 | 242 | 255 |
| | (ii) General liability | 117 | 136 | 142 | 150 | 159 | 172 |
| | (iii) Automobile liability | 16 | 19 | 19 | 21 | 22 | 24 |
| | Liability Subtotal | 133 | 155 | 161 | 171 | 181 | 196 |
| | TOTAL | | \$329 | \$372 | \$386 | \$404 | \$423 |
| (E) JPA | (i) Workers compensation | 107 | 119 | 123 | 127 | 132 | 139 |
| | (ii) General liability | 12 | 14 | 15 | 15 | 16 | 18 |
| | (iii) Automobile liability | 8 | 9 | 10 | 10 | 11 | 12 |
| | Liability Subtotal | 20 | 23 | 25 | 25 | 27 | 30 |
| | TOTAL | | \$127 | \$142 | \$148 | \$152 | \$159 |
| (F) JAA | (i) Workers compensation | 300 | 333 | 344 | 356 | 370 | 390 |
| | (ii) General liability | 0 | 0 | 0 | 0 | 0 | 0 |
| | (iii) Automobile liability | 0 | 0 | 0 | 0 | 0 | 0 |
| | Liability Subtotal | 0 | 0 | 0 | 0 | 0 | 0 |
| | TOTAL | | \$300 | \$333 | \$344 | \$356 | \$370 |
| (G) TOTAL (A)-(F) | (i) Workers compensation | 22,743 | 26,196 | 27,314 | 28,480 | 29,865 | 31,860 |
| | (ii) General liability | 4,331 | 5,029 | 5,259 | 5,543 | 5,876 | 6,349 |
| | (iii) Automobile liability | 2,186 | 2,529 | 2,660 | 2,808 | 2,998 | 3,270 |
| | Liability Subtotal | 6,517 | 7,558 | 7,919 | 8,351 | 8,874 | 9,619 |
| GRAND TOTAL | | \$29,260 | \$33,754 | \$35,233 | \$36,831 | \$38,739 | \$41,479 |

Notes:

Workers' Compensation - City - per Exhibits I-V, Page 8A.

Workers' Compensation - Non-City - per Exhibit VI-A - VI-E, Page 2A.

General Liability - per Exhibit VII-B - VII-F, Page 2A.

For GL - City: Exhibit VII-A, Page 2A for Other than Fire and Sheriff, Page 4A for Sheriff claims, and Page 6A for Fire claims.

Automobile Liability - per Exhibit VIII-B - VIII-F, Page 2A.

For AL - City: Exhibit VIII-A, Page 2A for Other than Fire and Sheriff, Page 4A for Sheriff claims, and Page 6A for Fire claims.

**CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF ULAE RATIOS
WORKERS' COMPENSATION
LIMITED TO RETENTION
(AMTS IN THOUSANDS)**

| FISCAL YEAR | PAID LOSS | PAID ULAE LEGAL | PAID ULAE EXCLUDING LEGAL | ULAE RATIO |
|---------------------|--------------|--------------------|------------------------------|---------------|
| | (1) | (1A) | (2) | (3) |
| 2004 | \$12,556 | \$327 | \$1,606 | 0.125 |
| 2005 | 12,934 | 327 | 1,635 | 0.123 |
| 2006 | 11,339 | 327 | 1,570 | 0.135 |
| 2007 | 11,277 | 327 | 1,569 | 0.135 |
| 2008 | 12,881 | 327 | 1,786 | 0.135 |
| 2009 | 12,834 | 327 | 1,940 | 0.147 |
| 2010 | 15,909 | 327 | 1,734 | 0.107 |
| 2011 | 16,495 | 327 | 1,871 | 0.111 |
| 2012 | 13,827 | 327 | 1,788 | 0.126 |
| 2013 | 18,381 | 0 | 1,812 | 0.099 |
| 2014 | 18,306 | 0 | 1,749 | 0.096 |
| 2015 | 25,261 | 0 | 1,960 | 0.078 |
| 2016 | 20,677 | 0 | 1,952 | 0.094 |
| 2017 | 19,943 | 0 | 1,974 | 0.099 |
| WTD. AVERAGE | | | | 0.112 |
| 3 YR AVG. | | | | 0.090 |
| EXCL. HI LO | | | | 0.115 |
| SELECTED | | | | 0.095 |

| | |
|---|------------------|
| (4) Estimated Total Loss Reserves | \$100,282 |
| (5) Case Reserves (Limited to Retention) | 52,604 |
| (6) Estimated ULAE Reserve | 4,990 |
| (7) ULAE Ratio to Total Reserves | 5.0% |
| (8) Selected Ratio ULAE to Total Reserves | 5.0% |

Note:

- (1), (1A), (2) & (5) - Per CITY OF JACKSONVILLE. Paid losses are gross of excess and other recoveries.
 Paid ULAE is Other Operating expenses excluding legal. Legal expenses included with losses effective 10/1/12.
 (3) = (2) / [(1) + (1A)].
 (4) - Summary Exhibit, Page 1.
 (6) - Selected Ratio in (3) x (estimated pure IBNR + 50% of case reserves).
 Assuming Pure IBNR = 10% x ((4) - (5)).
 (7) = (6) / (5).
 (8) - Selected

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF ULAE RATIOS
GENERAL LIABILITY AND AUTOMOBILE LIABILITY
LIMITED TO RETENTION
(AMTS IN THOUSANDS)

| FISCAL YEAR | PAID LOSS (1) | PAID ULAE (2) | ULAE RATIO (3) |
|---------------------|---------------------|---------------------|----------------------|
| 2005 | \$4,722 | 1,562 | 0.331 |
| 2006 | 4,132 | 1,648 | 0.399 |
| 2007 | 3,804 | 1,708 | 0.449 |
| 2008 | 4,529 | 1,911 | 0.422 |
| 2009 | 4,526 | 2,044 | 0.452 |
| 2010 | 3,387 | 2,087 | 0.616 |
| 2011 | 4,483 | 2,032 | 0.453 |
| 2012 | 3,628 | 1,871 | 0.516 |
| 2013 | 4,028 | 1,892 | 0.470 |
| 2014 | 4,630 | 1,973 | 0.426 |
| 2015 | 6,094 | 2,066 | 0.339 |
| 2016 | 6,854 | 2,012 | 0.294 |
| 2017 | 7,883 | 2,035 | 0.258 |
| WTD. AVERAGE | | | 0.396 |
| 3 YR AVG. | | | 0.297 |
| EXCL. HI LO | | | 0.414 |
| SELECTED | | | 0.350 |

| | |
|--|-----------------|
| (4) Estimated Total Loss Reserves | \$13,448 |
| (5) Case Reserves (Limited to Retention) | 8,431 |
| (6) Estimated ULAE Reserve | 2,410 |
| (7) ULAE Ratio to Total Reserves | 17.9% |
| (8) Selected Ratio ULAE to Total Reserves | 20.0% |

Note:

(1), (2) & (5) - Per CITY OF JACKSONVILLE. Paid losses are gross of excess and other recoveries.

Paid ULAE is General Operating expenses including legal.

(3) = (2) / (1).

(4) - Summary Exhibit, Page 1.

(6) - Selected Ratio in (3) x (estimated pure IBNR + 50% of (case reserves + case reserve shortfall portion of IBNR

Assuming Pure IBNR = 6.5% x ((4) - (5)).

(7) = (6) / (5).

(8) - Selected

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
ANALYSIS OF NET DISCOUNTED RESERVE CHANGE INCLUDING ULAE
(AMTS IN THOUSANDS)
ALL COVERAGES COMBINED

| | |
|---|-------------------|
| 1. Estimated discounted reserves including ULAE at 9/30/2017 | \$109,832 |
| 2. Loss payments during 10/1/2017 -3/31/2018 for the accident period 9/30/2017 and prior | (\$11,553) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018 | \$5,824 |
| 4. Estimated ultimate losses for the period 10/1/2017-3/31/2018 | \$14,758 |
| 5. Loss payments during 10/1/2017 -3/31/2018 for the accident period 10/1/2017 -3/31/2018 | (\$1,860) |
| 6. Change in undiscounted ULAE reserves during 10/1/2016-3/31/2017 | \$435 |
| 7. Change in discount | \$3,997 |
| 8. Estimated discounted reserves including ULAE at 3/31/2018 | \$121,433 |

Notes:

- (1) - Per AMI Actuarial Study as of September 30, 2017.
- (2)-(5) - Total from Exhibits I-V, Page 8A, and Exhibits VI-VIII, Page 7A.
- (6) - Undiscounted ULAE at 3/31/17 - ULAE at 9/30/2016.
- (7) - Total from Exhibit X, Column 4 plus the difference between undiscounted and discounted ULA
- (8) - Sum of (1) through (7).

Glossary of Terms

| | |
|----------------------|--|
| <i>Accident Year</i> | Attributing to a given year the total cost of losses which occur in that year. |
|----------------------|--|

| | |
|--|--|
| <i>Bornhuetter-Ferguson Approach (BFA)</i> | Approach which combines reported and paid losses with the expected unreported and unpaid losses to estimate ultimate losses. |
|--|--|

| | |
|---------------------|---|
| <i>Case Reserve</i> | Estimate of unpaid loss on reported claims. |
|---------------------|---|

| | |
|-------------------------|---|
| <i>Discount Reserve</i> | The present value, calculated at selected interest rates and payout patterns, of the payment of outstanding losses. |
|-------------------------|---|

| | |
|----------------------|---|
| <i>Expected Loss</i> | Exposures multiplied by the pure premium. |
|----------------------|---|

| | |
|-----------------|--|
| <i>Exposure</i> | Extent of risk and/or possibility of loss (for general liability the exposure is expenditure in thousands, and for auto liability it is the number of vehicles). |
|-----------------|--|

| | |
|----------------------|----------------------------------|
| <i>Incurred Loss</i> | Paid loss plus the case reserve. |
|----------------------|----------------------------------|

| | |
|---------------------|---|
| <i>IBNR Reserve</i> | Reserve for claims incurred but not reported and for future changes to the case reserves. |
|---------------------|---|

| | |
|---------------------------------------|---|
| <i>Loss Adjustment Expenses (LAE)</i> | Loss adjustment expenses may be broken down into: Allocated and Unallocated loss adjustment expenses (ALAE and ULAE). ALAE expenses are expenses (other than in-house administrative) for claims handling which can be identified as pertaining to a specific claim (such as outside legal expense). ULAE expenses are general administrative expenses such as salaries of employees. |
|---------------------------------------|---|

| | |
|--|---|
| <i>Loss Development Approach (LDA)</i> | Methods under which historical claim data are recorded and used to estimate the future development of existing claims. Loss development is the change in value of a body of claims from one valuation date to another valuation date. |
|--|---|

Glossary of Terms
(continued)

Paid Loss Amount paid on open and closed claims.

***Pure
Premium*** The value of losses per unit of exposure.

***Ultimate
Loss*** The incurred loss plus the IBNR reserve. The ultimate loss is the estimate of the total cost to settle all claims in the accident year.

Section VI – Exhibits

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF TOTAL RESERVES
WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

ALL APPROACHES COMBINED

| ACCIDENT YEAR* | ILDA ULTIMATE LOSSES | PLDA ULTIMATE LOSSES | BFILA ULTIMATE LOSSES | BFPLA ULTIMATE LOSSES | SELECTED ULTIMATE LOSSES | PAID LOSSES @ 3/31/2018 | LOSS RESERVES @ 3/31/2018 |
|----------------|----------------------|----------------------|-----------------------|-----------------------|--------------------------|-------------------------|---------------------------|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 1977 | 0 | 0 | 0 | 0 | 0 | \$0 | 0 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 2 | 2 | 2 | 2 | 2 | 2 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 16 | 16 | 16 | 16 | 16 | 16 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 32 | 32 | 32 | 32 | 32 | 32 | 0 |
| 1997 | 174 | 174 | 174 | 174 | 174 | 174 | 0 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 2 | 2 | 2 | 2 | 2 | 2 | 0 |
| 2000 | 658 | 658 | 658 | 658 | 658 | 421 | 237 |
| 2001 | 3 | 3 | 3 | 3 | 3 | 3 | 0 |
| 2002 | 444 | 452 | 444 | 452 | 444 | 415 | 29 |
| 2003 | 1,891 | 1,891 | 1,891 | 1,891 | 1,891 | 1,596 | 295 |
| 2004 | 1,696 | 1,696 | 1,696 | 1,696 | 1,696 | 1,189 | 506 |
| 2005 | 1,374 | 1,374 | 1,374 | 1,374 | 1,374 | 870 | 503 |
| 2006 | 3,590 | 3,492 | 3,546 | 3,492 | 3,568 | 2,259 | 1,309 |
| 2007 | 3,285 | 3,459 | 3,221 | 3,115 | 3,253 | 2,225 | 1,028 |
| 2008 | 2,179 | 3,154 | 2,290 | 3,098 | 2,235 | 1,878 | 356 |
| 2009 | 1,601 | 1,889 | 1,976 | 2,687 | 1,788 | 1,039 | 749 |
| 2010 | 3,040 | 3,943 | 3,319 | 4,100 | 3,179 | 1,999 | 1,180 |
| 2011 | 1,396 | 1,788 | 2,332 | 3,414 | 1,864 | 836 | 1,028 |
| 2012 | 5,155 | 6,354 | 5,084 | 5,540 | 5,119 | 2,731 | 2,389 |
| 2013 | 3,129 | 3,258 | 3,872 | 4,460 | 3,500 | 1,283 | 2,218 |
| 2014 | 6,561 | 6,699 | 6,232 | 6,082 | 6,396 | 2,335 | 4,061 |
| 2015 | 7,334 | 8,540 | 6,793 | 6,880 | 7,063 | 2,469 | 4,594 |
| 2016 | 6,847 | 8,099 | 6,656 | 6,861 | 6,752 | 1,714 | 5,038 |
| 2017 | 7,070 | 7,227 | 6,979 | 6,978 | 7,024 | 894 | 6,130 |
| 2018 | 3,114 | 3,405 | 3,831 | 3,556 | 3,472 | 37 | 3,435 |
| TOTAL | \$60,595 | \$67,609 | \$62,424 | \$66,565 | \$61,510 | \$26,422 | \$35,088 |

Notes:

(1), (2), (3) & (4) - Ultimate incurred losses calculated from Exhibit I, Pages 2 and 3.

(5) = Selected based on (1), (2), (3) & (4).

(6) - Per CITY OF JACKSONVILLE.

(7) = (5) - (6).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE LOSSES - LOSS DEVELOPMENT APPROACH
WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

INCURRED LOSS DEVELOPMENT APPROACH

| ACCIDENT YEAR* | INCURRED LOSSES @ 3/31/2018 | LARGE LOSSES EXCLUDED FROM DEVELOPMENT | LOSS DEVELOPMENT FACTORS | ULTIMATE INCURRED LOSSES | PAYROLL (IN \$000'S) | ESTIMATED LOSS RATE |
|----------------|-----------------------------|--|--------------------------|--------------------------|----------------------|---------------------|
| | (1) | (1A) | (2) | (3) | (4) | (5) |
| 1977 | \$0 | | 1.000 | 0 | N/A | |
| 1978 | 0 | | 1.000 | 0 | N/A | |
| 1979 | 0 | | 1.000 | 0 | N/A | |
| 1980 | 2 | | 1.000 | 2 | N/A | |
| 1981 | 0 | | 1.000 | 0 | N/A | |
| 1982 | 16 | | 1.000 | 16 | N/A | |
| 1983 | 0 | | 1.000 | 0 | N/A | |
| 1984 | 0 | | 1.000 | 0 | N/A | |
| 1985 | 0 | | 1.000 | 0 | N/A | |
| 1986 | 0 | | 1.000 | 0 | N/A | |
| 1987 | 0 | | 1.000 | 0 | N/A | |
| 1988 | 0 | | 1.000 | 0 | N/A | |
| 1989 | 0 | | 1.000 | 0 | N/A | |
| 1990 | 0 | | 1.000 | 0 | N/A | |
| 1991 | 0 | | 1.000 | 0 | N/A | |
| 1992 | 0 | | 1.000 | 0 | N/A | |
| 1993 | 0 | | 1.000 | 0 | N/A | |
| 1994 | 1 | | 1.000 | 1 | N/A | |
| 1995 | 0 | | 1.000 | 0 | N/A | |
| 1996 | 32 | | 1.000 | 32 | N/A | |
| 1997 | 174 | | 1.000 | 174 | N/A | |
| 1998 | 0 | | 1.000 | 0 | N/A | |
| 1999 | 2 | | 1.000 | 2 | N/A | |
| 2000 | 658 | | 1.000 | 658 | N/A | |
| 2001 | 3 | | 1.000 | 3 | N/A | |
| 2002 | 444 | | 1.000 | 444 | N/A | |
| 2003 | 1,891 | | 1.000 | 1,891 | N/A | |
| 2004 | 1,696 | | 1.000 | 1,696 | 116,865 | 0.015 |
| 2005 | 1,374 | | 1.000 | 1,374 | 134,969 | 0.010 |
| 2006 | 3,492 | | 1.028 | 3,590 | 137,826 | 0.026 |
| 2007 | 3,020 | | 1.088 | 3,285 | 147,222 | 0.022 |
| 2008 | 1,890 | | 1.153 | 2,179 | 153,840 | 0.014 |
| 2009 | 1,310 | | 1.222 | 1,601 | 164,709 | 0.010 |
| 2010 | 2,346 | | 1.295 | 3,040 | 171,283 | 0.018 |
| 2011 | 1,017 | | 1.373 | 1,396 | 175,841 | 0.008 |
| 2012 | 3,542 | | 1.456 | 5,155 | 163,299 | 0.032 |
| 2013 | 2,028 | | 1.543 | 3,129 | 159,681 | 0.020 |
| 2014 | 3,891 | | 1.686 | 6,561 | 160,139 | 0.041 |
| 2015 | 3,822 | | 1.919 | 7,334 | 158,286 | 0.046 |
| 2016 | 2,748 | | 2.492 | 6,847 | 155,726 | 0.044 |
| 2017 | 2,012 | | 3.513 | 7,070 | 155,525 | 0.045 |
| 2018 | 590 | | | 3,114 | 79,318 | 0.039 |
| TOTAL | \$38,003 | | | \$60,595 | | |

PAID LOSS DEVELOPMENT APPROACH

| ACCIDENT YEAR* | PAID LOSSES @ 3/31/2018 | LARGE LOSSES EXCLUDED FROM DEVELOPMENT | LOSS DEVELOPMENT FACTORS | ULTIMATE INCURRED LOSSES | PAYROLL (IN \$000'S) | ESTIMATED LOSS RATE |
|----------------|-------------------------|--|--------------------------|--------------------------|----------------------|---------------------|
| | (6) | (6A) | (7) | (8) | (9) | (10) |
| 1977 | \$0 | | 1.000 | 0 | N/A | |
| 1978 | 0 | | 1.000 | 0 | N/A | |
| 1979 | 0 | | 1.000 | 0 | N/A | |
| 1980 | 2 | | 1.000 | 2 | N/A | |
| 1981 | 0 | | 1.000 | 0 | N/A | |
| 1982 | 16 | | 1.000 | 16 | N/A | |
| 1983 | 0 | | 1.000 | 0 | N/A | |
| 1984 | 0 | | 1.000 | 0 | N/A | |
| 1985 | 0 | | 1.000 | 0 | N/A | |
| 1986 | 0 | | 1.000 | 0 | N/A | |
| 1987 | 0 | | 1.000 | 0 | N/A | |
| 1988 | 0 | | 1.000 | 0 | N/A | |
| 1989 | 0 | | 1.000 | 0 | N/A | |
| 1990 | 0 | | 1.000 | 0 | N/A | |
| 1991 | 0 | | 1.000 | 0 | N/A | |
| 1992 | 0 | | 1.000 | 0 | N/A | |
| 1993 | 0 | | 1.000 | 0 | N/A | |
| 1994 | 1 | | 1.000 | 1 | N/A | |
| 1995 | 0 | | 1.000 | 0 | N/A | |
| 1996 | 32 | | 1.000 | 32 | N/A | |
| 1997 | 174 | | 1.000 | 174 | N/A | |
| 1998 | 0 | | 1.000 | 0 | N/A | |
| 1999 | 2 | | 1.000 | 2 | N/A | |
| 2000 | 421 | | 1.000 | 658 | N/A | |
| 2001 | 3 | | 1.027 | 3 | N/A | |
| 2002 | 415 | | 1.090 | 452 | N/A | |
| 2003 | 1,596 | | 1.164 | 1,891 | N/A | |
| 2004 | 1,189 | | 1.243 | 1,496 | 116,865 | 0.015 |
| 2005 | 870 | | 1.335 | 1,374 | 134,969 | 0.010 |
| 2006 | 2,259 | | 1.440 | 3,492 | 137,826 | 0.025 |
| 2007 | 2,225 | | 1.555 | 3,459 | 147,222 | 0.023 |
| 2008 | 1,878 | | 1.679 | 3,154 | 153,840 | 0.020 |
| 2009 | 1,039 | | 1.818 | 1,889 | 164,709 | 0.011 |
| 2010 | 1,999 | | 1.972 | 3,943 | 171,283 | 0.023 |
| 2011 | 856 | | 2.140 | 1,788 | 175,841 | 0.010 |
| 2012 | 2,731 | | 2.327 | 6,354 | 163,299 | 0.039 |
| 2013 | 1,283 | | 2.540 | 3,258 | 159,681 | 0.020 |
| 2014 | 2,335 | | 2.869 | 6,699 | 160,139 | 0.042 |
| 2015 | 2,469 | | 3.459 | 8,540 | 158,286 | 0.054 |
| 2016 | 1,714 | | 4.726 | 8,099 | 155,726 | 0.052 |
| 2017 | 894 | | 8.083 | 7,227 | 155,525 | 0.046 |
| 2018 | 37 | | | 3,405 | 79,318 | 0.043 |
| TOTAL | \$26,422 | | | \$67,609 | | |

Notes:
(1), (4), (6) & (9) - Per CITY OF JACKSONVILLE.
(2) & (7) - Per City's historical loss patterns.
(3) = (1) x (2); (8) = (6) x (7). If ultimate incurred losses in (8) are less than the incurred losses in (1), we used the losses in (1).
For the most recent year, we used the Loss Rate Approach.
(5) = (3) / (4); (10) = (8) / (9). For the most recent year, it is the average of prior years.
*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.
*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE LOSSES - BORNHUETTER-FERGUSON APPROACH
WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| BORNHUETTER-FERGUSON INCURRED LOSS APPROACH | | | | | | | |
|---|---------------------|-------------------|--------------------------|---------------------------------|-----------------|----------------------------|--------------------------|
| ACCIDENT YEAR* | ESTIMATED LOSS RATE | PAYROLL (\$'000s) | EXPECTED ULTIMATE LOSSES | EXPECTED % OF LOSSES UNREPORTED | IBNR RESERVES | INCURRED LOSSES @3/31/2018 | ULTIMATE INCURRED LOSSES |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (7) |
| 1977 | N/A | | 0 | 0.0% | 0 | 50 | 50 |
| 1978 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1979 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1980 | N/A | | 2 | 0.0% | 0 | 2 | 2 |
| 1981 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1982 | N/A | | 16 | 0.0% | 0 | 16 | 16 |
| 1983 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1984 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1985 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1986 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1987 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1988 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1989 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1990 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1991 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1992 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1993 | N/A | | 0 | 0.0% | 0 | 1 | 1 |
| 1994 | N/A | | 1 | 0.0% | 0 | 1 | 1 |
| 1995 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1996 | N/A | | 32 | 0.0% | 0 | 32 | 32 |
| 1997 | N/A | | 174 | 0.0% | 0 | 174 | 174 |
| 1998 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1999 | N/A | | 2 | 0.0% | 0 | 2 | 2 |
| 2000 | N/A | | 658 | 0.0% | 0 | 658 | 658 |
| 2001 | N/A | | 3 | 0.0% | 0 | 3 | 3 |
| 2002 | N/A | | 448 | 0.0% | 0 | 444 | 444 |
| 2003 | | | 1,891 | 0.0% | 0 | 1,891 | 1,891 |
| 2004 | 0.009 | 116,865 | 1,054 | 0.0% | 0 | 1,696 | 1,696 |
| 2005 | 0.012 | 134,969 | 1,574 | 0.0% | 0 | 1,374 | 1,374 |
| 2006 | 0.014 | 137,826 | 1,972 | 2.7% | 54 | 3,492 | 3,546 |
| 2007 | 0.017 | 147,222 | 2,496 | 8.1% | 201 | 3,020 | 3,221 |
| 2008 | 0.020 | 153,840 | 3,015 | 13.3% | 400 | 1,890 | 2,290 |
| 2009 | 0.022 | 164,709 | 3,663 | 18.2% | 666 | 1,310 | 1,976 |
| 2010 | 0.025 | 171,283 | 4,262 | 22.8% | 972 | 2,346 | 3,319 |
| 2011 | 0.028 | 175,841 | 4,841 | 27.2% | 1,316 | 1,017 | 2,332 |
| 2012 | 0.030 | 163,299 | 4,927 | 31.3% | 1,542 | 3,542 | 5,084 |
| 2013 | 0.033 | 159,681 | 5,240 | 35.2% | 1,843 | 2,028 | 3,872 |
| 2014 | 0.036 | 160,139 | 5,753 | 40.7% | 2,341 | 3,891 | 6,232 |
| 2015 | 0.039 | 158,286 | 6,205 | 47.9% | 2,971 | 3,822 | 6,793 |
| 2016 | 0.042 | 155,726 | 6,528 | 59.9% | 3,908 | 2,748 | 6,656 |
| 2017 | 0.045 | 155,525 | 6,943 | 71.5% | 4,966 | 2,012 | 6,979 |
| 2018 | 0.047 | 79,318 | 3,756 | 86.3% | 3,241 | 590 | 3,831 |
| TOTAL | | | | | \$24,422 | \$38,003 | \$62,424 |

| BORNHUETTER-FERGUSON PAID LOSS APPROACH | | | | | | | |
|---|---------------------|-------------------|--------------------------|-----------------------------|-----------------|------------------------|--------------------------|
| ACCIDENT YEAR* | ESTIMATED LOSS RATE | PAYROLL (\$'000s) | EXPECTED ULTIMATE LOSSES | EXPECTED % OF LOSSES UNPAID | LOSS RESERVES | PAID LOSSES @3/31/2018 | ULTIMATE INCURRED LOSSES |
| (8) | (9) | (10) | (11) | (12) | (13) | (14) | (14) |
| 1977 | N/A | | 50 | 0.0% | 0 | 50 | 0 |
| 1978 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1979 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1980 | N/A | | 2 | 0.0% | 0 | 2 | 2 |
| 1981 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1982 | N/A | | 16 | 0.0% | 0 | 16 | 16 |
| 1983 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1984 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1985 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1986 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1987 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1988 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1989 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1990 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1991 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1992 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1993 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1994 | N/A | | 1 | 0.0% | 0 | 1 | 1 |
| 1995 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1996 | N/A | | 32 | 0.0% | 0 | 32 | 32 |
| 1997 | N/A | | 174 | 0.0% | 0 | 174 | 174 |
| 1998 | N/A | | 0 | 0.0% | 0 | 0 | 0 |
| 1999 | N/A | | 2 | 0.0% | 0 | 2 | 2 |
| 2000 | N/A | | 658 | 0.0% | 0 | 421 | 658 |
| 2001 | N/A | | 3 | 2.7% | 0 | 3 | 3 |
| 2002 | N/A | | 448 | 8.3% | 37 | 415 | 452 |
| 2003 | | | 1,891 | 14.1% | 266 | 1,596 | 1,891 |
| 2004 | 0.009 | 116,865 | 1,054 | 19.6% | 206 | 1,189 | 1,696 |
| 2005 | 0.012 | 134,969 | 1,574 | 25.1% | 395 | 870 | 1,374 |
| 2006 | 0.014 | 137,826 | 1,972 | 30.5% | 602 | 2,259 | 3,492 |
| 2007 | 0.017 | 147,222 | 2,496 | 35.7% | 891 | 2,225 | 3,115 |
| 2008 | 0.020 | 153,840 | 3,015 | 40.4% | 1,219 | 1,878 | 3,098 |
| 2009 | 0.022 | 164,709 | 3,663 | 45.0% | 1,648 | 1,039 | 2,687 |
| 2010 | 0.025 | 171,283 | 4,262 | 49.3% | 2,101 | 1,999 | 4,100 |
| 2011 | 0.028 | 175,841 | 4,841 | 53.3% | 2,578 | 836 | 3,414 |
| 2012 | 0.030 | 163,299 | 4,927 | 57.0% | 2,810 | 2,731 | 5,540 |
| 2013 | 0.033 | 159,681 | 5,240 | 60.0% | 3,178 | 1,283 | 4,460 |
| 2014 | 0.036 | 160,139 | 5,753 | 65.1% | 3,747 | 2,335 | 6,082 |
| 2015 | 0.039 | 158,286 | 6,205 | 71.1% | 4,411 | 2,469 | 6,880 |
| 2016 | 0.042 | 155,726 | 6,528 | 78.8% | 5,147 | 1,714 | 6,861 |
| 2017 | 0.045 | 155,525 | 6,943 | 87.6% | 6,084 | 894 | 6,978 |
| 2018 | 0.047 | 79,318 | 3,756 | 93.7% | 3,518 | 37 | 3,556 |
| TOTAL | | | | | \$38,838 | \$26,422 | \$66,565 |

Notes:
 (2), (6), (9) & (13) - Per CITY OF JACKSONVILLE.
 (1) & (8) - See Exhibit I, Page 4, Column (8).
 (3) = (1) x (2); (10) = (8) x (9).
 (4) = (1 - (1/ILDF)); (11) = (1 - (1/PLDF)).
 (5) = (3) x (4); (12) = (10) x (11).
 (7) = (5) + (6); (14) = (12) + (13). If ultimate incurred losses in (14) are less than the incurred losses in (6), we used the incurred losses in (6).
 *Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.
 *Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
SELECTION OF INTIAL LOSS RATE FOR BORNHUETTER-FERGUSON APPROACHES
WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT PERIODS | ULTIMATE LOSSES PER ILDA | ULTIMATE LOSSES PER PLDA | ADJUSTMENT TO CURRENT RETENTION | | PAYROLL (IN \$000'S) | LOSS RATE AT CURRENT RETENTION | FITTED LOSS RATE | SELECTED INITIAL LOSS RATE ACTUAL RETENTION |
|---------------------------|--------------------------|--------------------------|---------------------------------|-------|----------------------|--------------------------------|------------------|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| 2000 | \$658 | \$658 | \$1,000 | 1.057 | N/A | | | |
| 2001 | 3 | 3 | 1,000 | 1.057 | N/A | | | |
| 2002 | 444 | 452 | 1,000 | 1.057 | N/A | | | |
| 2003 | 1,891 | 1,891 | 1,200 | 1.029 | N/A | | | |
| 2004 | 1,696 | 1,696 | 1,200 | 1.029 | 116,865 | 1.49% | 0.93% | 0.90% |
| 2005 | 1,374 | 1,374 | 1,200 | 1.029 | 134,969 | 1.05% | 1.20% | 1.17% |
| 2006 | 3,590 | 3,492 | 1,200 | 1.029 | 137,826 | 2.64% | 1.47% | 1.43% |
| 2007 | 3,285 | 3,459 | 1,200 | 1.029 | 147,222 | 2.36% | 1.74% | 1.70% |
| 2008 | 2,179 | 3,154 | 1,200 | 1.029 | 153,840 | 1.78% | 2.02% | 1.96% |
| 2009 | 1,601 | 1,889 | 1,200 | 1.029 | 164,709 | 1.09% | 2.29% | 2.22% |
| 2010 | 3,040 | 3,943 | 1,200 | 1.029 | 171,283 | 2.10% | 2.56% | 2.49% |
| 2011 | 1,396 | 1,788 | 1,200 | 1.029 | 175,841 | 0.93% | 2.83% | 2.75% |
| 2012 | 5,155 | 6,354 | 1,200 | 1.029 | 163,299 | 3.63% | 3.10% | 3.02% |
| 2013 | 3,129 | 3,258 | 1,200 | 1.029 | 159,681 | 2.06% | 3.38% | 3.28% |
| 2014 | 6,561 | 6,699 | 1,250 | 1.016 | 160,139 | 4.20% | 3.65% | 3.59% |
| 2015 | 7,334 | 8,540 | 1,500 | 1.000 | 158,286 | 5.01% | 3.92% | 3.92% |
| 2016 | 6,847 | 8,099 | 1,500 | 1.000 | 155,726 | 4.80% | 4.19% | 4.19% |
| 2017 | 7,070 | 7,227 | 1,500 | 1.000 | 155,525 | 4.60% | 4.46% | 4.46% |
| 10/1/2017-3/31/2018 | 3,114 | 7,227 | 1,500 | 1.000 | 79,318 | 6.52% | 4.74% | 4.74% |
| 4/1/2018-9/30/2018 | | | 1,500 | 1.000 | 79,318 | | 4.74% | 4.74% |
| 2019 | | | | 1.000 | 161,808 | | 5.01% | 5.01% |

| | |
|------------------|-----------------|
| Average | 2.95% |
| Weighted Average | 2.72% |
| Selected | based on fitted |

Notes:

- (1) - Per Exhibit I, Page 2, Column (3).
- (1) - Per Exhibit I, Page 2, Column (8).
- (3) & (5) - Per CITY OF JACKSONVILLE.
- (4) & (7) - Per AMI calculation.
- (6) = [Average of (1) & (2)] x [(4)/(5)].
- (8) = (7)/(4).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

INCURRED LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | | | |
|----------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 21 | 22 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1996 | 50 | 50 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 |
| 1997 | 0 | 112 | 175 | 177 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 |
| 1999 | 3 | 1 | 1 | 1 | 1 | 1 | 13 | 2 | 2 | 2 | 2 | 2 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 | 10 |
| 2002 | 55 | 15 | 26 | 34 | 49 | 79 | 84 | 94 | 94 | 134 | 180 | 205 |
| 2003 | 391 | 721 | 646 | 633 | 663 | 668 | 668 | 668 | 668 | 977 | 1,094 | 1,159 |
| 2004 | 899 | 535 | 668 | 709 | 868 | 862 | 1,130 | 1,165 | 1,337 | 1,411 | 1,536 | 1,646 |
| 2005 | 307 | 324 | 315 | 404 | 560 | 635 | 660 | 989 | 1,012 | 1,308 | 1,398 | 1,393 |
| 2006 | 1,112 | 1,066 | 1,218 | 1,197 | 1,376 | 1,738 | 2,189 | 2,284 | 2,519 | 2,946 | 3,600 | 3,442 |
| 2007 | 1,106 | 2,148 | 2,217 | 1,730 | 1,760 | 2,040 | 2,352 | 2,623 | 2,679 | 2,768 | 2,703 | |
| 2008 | 491 | 425 | 905 | 1,054 | 1,134 | 1,173 | 1,448 | 1,614 | 1,940 | 1,934 | | |
| 2009 | 866 | 644 | 659 | 732 | 944 | 1,101 | 1,259 | 1,259 | | | | |
| 2010 | 447 | 534 | 942 | 2,018 | 2,249 | 2,188 | 2,192 | 2,242 | | | | |
| 2011 | 394 | 546 | 899 | 910 | 971 | 982 | 996 | | | | | |
| 2012 | 2,586 | 3,140 | 3,105 | 3,230 | 3,402 | 3,449 | | | | | | |
| 2013 | 764 | 828 | 1,574 | 1,779 | 1,960 | | | | | | | |
| 2014 | 1,411 | 2,414 | 3,099 | 3,651 | | | | | | | | |
| 2015 | 1,666 | 2,407 | 3,675 | | | | | | | | | |
| 2016 | 1,403 | 2,396 | | | | | | | | | | |
| 2017 | 1,500 | | | | | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
|---------------------------------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| | TO 24 | TO 36 | TO 48 | TO 60 | TO 72 | TO 84 | TO 96 | TO 108 | TO 120 | TO 132 | TO 144 | TO 156 |
| 1979 | | | | | | | | | | | | |
| 1980 | | | | | | | | | | | | |
| 1981 | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1982 | 1.021 | 0.720 | 1.032 | 1.000 | 1.000 | 1.000 | 1.000 | 0.985 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1983 | | | | | | | | | | | | |
| 1984 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1985 | | | | | | | | | | | | |
| 1986 | | | | | | | | | | | | |
| 1987 | | | | | | | | | | | | |
| 1988 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1989 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1990 | | | | | | | | | | | | |
| 1991 | | | | | | | | | | | | |
| 1992 | | | | | | | | | | | | 1.000 |
| 1993 | | | | | | | | | | | | |
| 1994 | | | | | | | | | | | | |
| 1995 | | | | | | | | | | | | |
| 1996 | 1.000 | 0.188 | 1.000 | 1.000 | 1.000 | 1.000 | 1.040 | 1.025 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1997 | 1.560 | | 1.011 | 0.971 | 1.000 | 1.000 | 0.999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1998 | | | | | | | | | | | | |
| 1999 | 0.323 | 1.000 | 1.000 | 1.000 | 1.237 | 1.000 | 13.000 | 0.154 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2000 | | | | | | | | | | | | |
| 2001 | 0.061 | 1.000 | | | | | | 1.000 | 1.000 | 1.000 | 3.333 | 0.274 |
| 2002 | 0.269 | 1.756 | 1.308 | 1.441 | 1.612 | 1.063 | 1.119 | 1.000 | 1.426 | 1.343 | 1.137 | 1.367 |
| 2003 | 1.843 | 0.896 | 0.980 | 1.047 | 1.008 | 1.000 | 1.000 | 1.463 | 1.120 | 1.060 | 1.287 | 1.372 |
| 2004 | 0.595 | 1.249 | 1.061 | 1.224 | 0.993 | 1.311 | 1.031 | 1.148 | 1.056 | 1.089 | 1.072 | 0.999 |
| 2005 | 1.055 | 0.972 | 1.283 | 1.386 | 1.134 | 1.039 | 1.498 | 1.023 | 1.294 | 1.069 | 0.996 | 0.980 |
| 2006 | 0.959 | 1.143 | 0.983 | 1.150 | 1.263 | 1.259 | 1.044 | 1.103 | 1.169 | 1.222 | 0.956 | |
| 2007 | 1.942 | 1.032 | 0.780 | 1.017 | 1.159 | 1.153 | 1.115 | 1.021 | 1.033 | 0.977 | | |
| 2008 | 0.866 | 2.129 | 1.165 | 1.076 | 1.034 | 1.234 | 1.115 | 1.202 | 0.997 | | | |
| 2009 | 0.744 | 1.023 | 1.111 | 1.290 | 1.166 | 1.144 | 1.000 | 1.000 | | | | |
| 2010 | 1.195 | 1.764 | 2.142 | 1.114 | 0.973 | 1.002 | 1.023 | | | | | |
| 2011 | 1.386 | 1.646 | 1.012 | 1.067 | 1.012 | 1.014 | | | | | | |
| 2012 | 1.214 | 0.989 | 1.040 | 1.053 | 1.014 | | | | | | | |
| 2013 | 1.083 | 1.902 | 1.130 | 1.102 | | | | | | | | |
| 2014 | 1.711 | 1.283 | 1.178 | | | | | | | | | |
| 2015 | 1.445 | 1.527 | | | | | | | | | | |
| 2016 | 1.708 | | | | | | | | | | | |
| 10-YR AVERAGE | 1.329 | 1.444 | 1.182 | 1.148 | 1.076 | 1.122 | 2.295 | 1.010 | 1.110 | 1.076 | 1.278 | 0.999 |
| 3-YR AVG. | 1.621 | 1.571 | 1.116 | 1.074 | 1.000 | 1.053 | 1.046 | 1.074 | 1.066 | 1.089 | 1.008 | 1.117 |
| 10-YR AVERAGE EXCL HI LO | 1.326 | 1.415 | 1.113 | 1.135 | 1.065 | 1.114 | 1.118 | 1.055 | 1.084 | 1.055 | 1.062 | 1.038 |
| 5-YR AVG X HI/LO | 1.456 | 1.485 | 1.116 | 1.094 | 1.020 | 1.104 | 1.061 | 1.049 | 1.086 | 1.073 | 1.068 | 1.115 |
| PRIOR SELECTED (9/30/2017) | 1.397 | 1.428 | 1.149 | 1.125 | 1.060 | 1.060 | 1.060 | 1.060 | 1.060 | 1.060 | 1.060 | 1.056 |
| FACTORS FROM TAIL FACTOR STUDY | | | | | | | | | | | | |
| SELECTED | 1.397 | 1.428 | 1.149 | 1.125 | 1.060 | 1.060 | 1.060 | 1.060 | 1.060 | 1.060 | 1.060 | 1.056 |
| CUMULATIVE | 4.095 | 2.931 | 2.052 | 1.785 | 1.587 | 1.498 | 1.413 | 1.333 | 1.258 | 1.187 | 1.119 | 1.056 |

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
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CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

INCURRED LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | |
|----------------|--------------------|-------|-------|-----|-----|-----|-----|-----|-----|
| | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 16 | 1 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 17 | 36 |
| 1997 | 172 | 172 | 172 | 172 | 172 | 173 | 173 | 173 | 174 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 2000 | 58 | 66 | 216 | 549 | 598 | 618 | | | |
| 2001 | 3 | 3 | 3 | 3 | 3 | | | | |
| 2002 | 280 | 449 | 444 | 444 | | | | | |
| 2003 | 2,048 | 2,048 | 2,048 | | | | | | |
| 2004 | 1,645 | 1,661 | | | | | | | |
| 2005 | 1,365 | | | | | | | | |
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| 2015 | | | | | | | | | |
| 2016 | | | | | | | | | |
| 2017 | | | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 |
|---------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO |
| | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 |
| 1979 | | | | | | | | | |
| 1980 | | | | | | | | | |
| 1981 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1982 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1983 | | | | | | | | | |
| 1984 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1985 | | | | | | | | | |
| 1986 | | | | | | | | | |
| 1987 | | | | | | | | | |
| 1988 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1989 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1990 | | | | | | | | | |
| 1991 | | | | | | | | | |
| 1992 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1993 | | | | | | | | | |
| 1994 | | | | | | | 1.938 | 0.091 | 1.000 |
| 1995 | | | | | | | | | |
| 1996 | 1.000 | 1.000 | 1.000 | 1.000 | 0.976 | 1.000 | 1.769 | 2.072 | 0.890 |
| 1997 | 1.000 | 1.000 | 1.000 | 1.001 | 1.007 | 1.001 | 1.000 | 1.001 | |
| 1998 | | | | 1.000 | 1.000 | 1.000 | 1.000 | | |
| 1999 | 1.000 | 0.967 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 2000 | | 1.129 | 3.290 | 2.547 | 1.090 | 1.033 | | | |
| 2001 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| 2002 | 1.605 | 0.989 | 1.000 | | | | | | |
| 2003 | 1.000 | 1.000 | | | | | | | |
| 2004 | 1.009 | | | | | | | | |
| 2005 | | | | | | | | | |
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| 2014 | | | | | | | | | |
| 2015 | | | | | | | | | |
| 2016 | | | | | | | | | |
| 10-YR AVERAGE | 1.074 | 1.225 | 1.155 | 1.008 | 1.002 | 1.000 | 1.171 | 1.018 | 0.986 |
| 3 YR AVG. | 1.205 | 0.996 | 1.516 | 1.030 | 1.011 | 1.000 | 1.256 | 1.055 | 0.963 |
| 10-YR AVERAGE EXCL HI LO | 1.017 | 0.999 | 1.000 | 1.000 | 1.001 | 1.000 | 1.096 | | |
| 5 YR AVG X HI/LO | 1.046 | 0.996 | 1.000 | 1.000 | 1.002 | 1.000 | 1.256 | 1.000 | 1.000 |
| PRIOR SELECTED (9/30/2017) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| FACTORS FROM TAIL FACTOR STUDY | | | | | | | | | 1.017 |
| SELECTED | 1.000 |
| CUMULATIVE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*Accident years are 12-month periods ending 9/30 of the stated year.

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AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

INCURRED LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | |
|----------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | 264 | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 | |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1982 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1994 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1996 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | |
| 1997 | | | | | | | | | | |
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LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 264 | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 |
|---------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO |
| 1979 | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 | 372 |
| 1980 | | | | | | | | | |
| 1981 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1982 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1983 | | | | | | | | | |
| 1984 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1985 | | | | | | | | | |
| 1986 | | | | | | | | | |
| 1987 | | | | | | | | | |
| 1988 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1989 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1990 | | | | | | | | | |
| 1991 | | | | | | | | | |
| 1992 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1993 | | | | | | | | | |
| 1994 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
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| 2014 | | | | | | | | | |
| 2015 | | | | | | | | | |
| 2016 | | | | | | | | | |
| 10-YR AVERAGE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 3 YR AVG. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 10-YR AVERAGE EXCL HI LO | | | | | | | | | |
| 5 YR AVG X HI LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PRIOR SELECTED (9/30/2017) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| FACTORS FROM TAIL FACTOR STUDY | 1.016 | 1.014 | 1.014 | 1.013 | 1.012 | 1.012 | 1.011 | 1.011 | 1.010 |
| SELECTED | 1.000 |
| CUMULATIVE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
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WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
 AS OF MARCH 31, 2018
 (AMTS IN THOUSANDS)
 UNLIMITED LOSSES

INCURRED LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | |
|----------------|--------------------|-----|-----|-----|-----|-----|-----|-----|--|
| | 372 | 384 | 396 | 408 | 420 | 432 | 444 | 456 | |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1980 | 0 | 0 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | |
| 1982 | 16 | 16 | 16 | 16 | 16 | 16 | | | |
| 1983 | 0 | 0 | 0 | 0 | 0 | | | | |
| 1984 | 0 | 0 | 0 | 0 | | | | | |
| 1985 | 0 | 0 | 0 | | | | | | |
| 1986 | 0 | 0 | | | | | | | |
| 1987 | 0 | | | | | | | | |
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| 2017 | | | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 372 | 384 | 396 | 408 | 420 | 432 | 444 | 456 |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | TO |
| | 384 | 396 | 408 | 420 | 432 | ULT | ULT | ULT |
| 1979 | | | | | | | | |
| 1980 | | | | | | | | |
| 1981 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| 1982 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 1983 | | | | | | | | |
| 1984 | 1.000 | 1.000 | 1.000 | | | | | |
| 1985 | | | | | | | | |
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| 2015 | | | | | | | | |
| 2016 | | | | | | | | |
| 10-YR AVERAGE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 3 YR AVG. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 10-YR AVERAGE EXCL HI LO | | | | | | | | |
| 5 YR AVG X HI LO | | | | | | | | |
| PRIOR SELECTED (9/30/2017) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| FACTORS FROM TAIL FACTOR STUDY | 1.010 | 1.009 | 1.009 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| SELECTED | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CUMULATIVE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | | | |
|----------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 14 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 |
| 1997 | 0 | 5 | 140 | 164 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 | 3 |
| 2002 | 10 | 15 | 21 | 26 | 32 | 54 | 60 | 64 | 70 | 77 | 94 | 137 |
| 2003 | 215 | 380 | 539 | 554 | 559 | 567 | 574 | 588 | 793 | 854 | 935 | 1,145 |
| 2004 | 276 | 325 | 347 | 374 | 407 | 426 | 470 | 750 | 871 | 969 | 1,067 | 1,142 |
| 2005 | 106 | 155 | 174 | 209 | 224 | 252 | 288 | 363 | 443 | 573 | 721 | 781 |
| 2006 | 116 | 358 | 454 | 547 | 689 | 828 | 1,071 | 1,244 | 1,433 | 1,662 | 2,054 | 2,171 |
| 2007 | 241 | 805 | 1,017 | 1,160 | 1,261 | 1,329 | 1,425 | 1,673 | 1,905 | 2,011 | 2,090 | |
| 2008 | 211 | 392 | 413 | 539 | 653 | 809 | 871 | 1,497 | 1,903 | 1,900 | | |
| 2009 | 371 | 494 | 573 | 619 | 760 | 789 | 931 | 966 | 1,003 | | | |
| 2010 | 243 | 391 | 514 | 1,147 | 1,653 | 1,810 | 1,878 | 1,952 | | | | |
| 2011 | 213 | 348 | 606 | 665 | 745 | 779 | 795 | | | | | |
| 2012 | 776 | 1,204 | 1,550 | 2,137 | 2,491 | 2,635 | | | | | | |
| 2013 | 364 | 477 | 852 | 1,004 | 1,117 | | | | | | | |
| 2014 | 546 | 1,143 | 1,801 | 2,144 | | | | | | | | |
| 2015 | 740 | 1,307 | 2,065 | | | | | | | | | |
| 2016 | 557 | 1,478 | | | | | | | | | | |
| 2017 | 475 | | | | | | | | | | | |

| ACCIDENT YEAR* | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
|---------------------------------------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | TO | TO | TO | TO | TO | TO | TO | TO | TO | TO | TO | TO |
| 1979 | | | | | | | | | | | | |
| 1980 | | | | | | | | | | | | |
| 1981 | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1982 | 1.076 | 1.000 | 1.008 | 1.000 | 1.008 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1983 | | | | | | | | | | | | |
| 1984 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1985 | | | | | | | | | | | | |
| 1986 | | | | | | | | | | | | |
| 1987 | | | | | | | | | | | | |
| 1988 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1989 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1990 | | | | | | | | | | | | |
| 1991 | | | | | | | | | | | | 1.000 |
| 1992 | | | | | | | | | | | | |
| 1993 | | | | | | | | | | | | |
| 1994 | | | | | | | | | | | | |
| 1995 | | | | | | | | | | | | |
| 1996 | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.040 | 1.025 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1997 | | 25.934 | 1.173 | 1.051 | 1.000 | 1.000 | 0.999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1998 | | | | | | | | | | | | |
| 1999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.237 | 1.000 | 1.000 | 2.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2000 | | | | | | | | | | | | |
| 2001 | 1.000 | 1.000 | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 0.913 |
| 2002 | 1.520 | 1.418 | 1.238 | 1.231 | 1.688 | 1.111 | 1.067 | 1.094 | 1.100 | 1.221 | 1.452 | 1.619 |
| 2003 | 1.768 | 1.418 | 1.028 | 1.009 | 1.014 | 1.012 | 1.024 | 1.349 | 1.077 | 1.095 | 1.224 | 1.139 |
| 2004 | 1.178 | 1.068 | 1.078 | 1.088 | 1.047 | 1.103 | 1.596 | 1.161 | 1.113 | 1.101 | 1.070 | 1.018 |
| 2005 | 1.462 | 1.123 | 1.201 | 1.072 | 1.125 | 1.143 | 1.260 | 1.219 | 1.295 | 1.258 | 1.083 | 1.085 |
| 2006 | 3.086 | 1.268 | 1.205 | 1.260 | 1.202 | 1.293 | 1.161 | 1.152 | 1.160 | 1.236 | 1.057 | |
| 2007 | 3.340 | 1.263 | 1.141 | 1.087 | 1.054 | 1.073 | 1.174 | 1.139 | 1.056 | 1.039 | | |
| 2008 | 1.858 | 1.054 | 1.305 | 1.212 | 1.238 | 1.077 | 1.719 | 1.271 | 0.999 | | | |
| 2009 | 1.332 | 1.160 | 1.080 | 1.229 | 1.038 | 1.180 | 1.038 | 1.038 | | | | |
| 2010 | 1.609 | 1.315 | 2.232 | 1.441 | 1.095 | 1.038 | 1.039 | | | | | |
| 2011 | 1.634 | 1.741 | 1.099 | 1.120 | 1.045 | 1.021 | | | | | | |
| 2012 | 1.552 | 1.287 | 1.379 | 1.165 | 1.058 | | | | | | | |
| 2013 | 1.310 | 1.785 | 1.178 | 1.113 | | | | | | | | |
| 2014 | 2.095 | 1.576 | 1.191 | | | | | | | | | |
| 2015 | 1.766 | 1.580 | | | | | | | | | | |
| 2016 | 2.651 | | | | | | | | | | | |
| 10-YR AVERAGE | 1.915 | 1.403 | 1.301 | 1.179 | 1.092 | 1.105 | 1.208 | 1.220 | 1.080 | 1.095 | 1.089 | 1.070 |
| 3 YR AVG. | 2.171 | 1.647 | 1.249 | 1.133 | 1.066 | 1.080 | 1.265 | 1.149 | 1.072 | 1.178 | 1.070 | 1.081 |
| 10-YR AVERAGE EXCL HI LO | 1.812 | 1.399 | 1.212 | 1.159 | 1.085 | 1.093 | 1.170 | 1.158 | 1.063 | 1.087 | 1.054 | 1.027 |
| 5 YR AVG X HI/LO | 1.804 | 1.632 | 1.249 | 1.171 | 1.066 | 1.063 | 1.125 | 1.170 | 1.110 | 1.144 | 1.126 | 1.081 |
| FACTORS FROM FAIL FACTOR STUDY | 1.878 | 1.465 | 1.243 | 1.162 | 1.093 | 1.090 | 1.085 | 1.085 | 1.085 | 1.080 | 1.080 | 1.080 |
| SELECTED | 1.878 | 1.465 | 1.243 | 1.162 | 1.093 | 1.090 | 1.085 | 1.085 | 1.085 | 1.080 | 1.080 | 1.080 |
| CUMULATIVE | 10.549 | 5.617 | 3.834 | 3.084 | 2.654 | 2.427 | 2.227 | 2.052 | 1.892 | 1.744 | 1.614 | 1.495 |

*Accident years are 12-month periods ending 9/30 of the stated year.

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AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

PAID LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | |
|----------------|--------------------|-------|-------|-----|-----|-----|-----|-----|-----|--|
| | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1982 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1996 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 31 | |
| 1997 | 172 | 172 | 172 | 172 | 172 | 172 | 173 | 173 | 174 | |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1999 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 0 | |
| 2000 | 4 | 14 | 46 | 302 | 379 | 405 | 0 | 0 | 0 | |
| 2001 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | |
| 2002 | 221 | 398 | 407 | 412 | 0 | 0 | 0 | 0 | 0 | |
| 2003 | 1,304 | 1,413 | 1,530 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2004 | 1,162 | 1,180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2005 | 847 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2009 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2011 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2012 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2013 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2014 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2016 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2017 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 |
|---------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO |
| 1979 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 |
| 1980 | | | | | | | | | |
| 1981 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1982 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1983 | | | | | | | | | |
| 1984 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1985 | | | | | | | | | |
| 1986 | | | | | | | | | |
| 1987 | | | | | | | | | |
| 1988 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1989 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1990 | | | | | | | | | |
| 1991 | | | | | | | | | |
| 1992 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1993 | | | | | | | | | |
| 1994 | | | | | | | | 1.000 | 1.000 |
| 1995 | | | | | | | | | |
| 1996 | 1.000 | 1.000 | 1.000 | 1.000 | 0.976 | 1.000 | 1.057 | 3.005 | 1.028 |
| 1997 | 1.000 | 1.000 | 1.000 | 1.001 | 1.007 | 1.001 | 1.000 | 1.001 | 0 |
| 1998 | | | | 1.000 | 1.000 | 1.000 | 1.000 | 0 | 0 |
| 1999 | 1.000 | 0.967 | 1.000 | 1.000 | 1.000 | 1.000 | 0 | 0 | 0 |
| 2000 | 3.599 | 3.227 | 6.498 | 1.254 | 1.071 | 0 | 0 | 0 | 0 |
| 2001 | 1.000 | 1.000 | 1.000 | 1.000 | 0 | 0 | 0 | 0 | 0 |
| 2002 | 1.801 | 1.022 | 1.013 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 1.084 | 1.083 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2004 | 1.016 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2005 | | | | | | | | | |
| 2006 | | | | | | | | | |
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| 2014 | | | | | | | | | |
| 2015 | | | | | | | | | |
| 2016 | | | | | | | | | |
| 10-YR AVERAGE | 1.350 | 1.230 | 1.551 | 1.023 | 1.005 | 1.000 | 1.006 | 1.223 | 1.004 |
| 3 YR AVG. | 1.300 | 1.035 | 2.837 | 1.085 | 1.024 | 1.000 | 1.019 | 1.669 | 1.009 |
| 10-YR AVERAGE EXCL HI LO | 1.113 | 1.013 | 1.002 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 |
| 5 YR AVG X HI LO | 1.300 | 1.035 | 1.004 | 1.000 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 |
| PRIOR SELECTED (9/30/2017) | 1.077 | 1.069 | 1.068 | 1.067 | 1.055 | 1.000 | 1.000 | 1.000 | 1.000 |
| FACTORS FROM TAIL FACTOR STUDY | | | | | | | | | |
| SELECTED | 1.077 | 1.069 | 1.068 | 1.067 | 1.055 | 1.000 | 1.000 | 1.000 | 1.000 |
| CUMULATIVE | 1.384 | 1.285 | 1.202 | 1.125 | 1.055 | 1.000 | 1.000 | 1.000 | 1.000 |

*Accident years are 12-month periods ending 9/30 of the stated year.

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 AS OF MARCH 31, 2018
 (AMTS IN THOUSANDS)
 UNLIMITED LOSSES

PAID LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | |
|----------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|----|
| | 264 | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 | |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 1997 | | | | | | | | | | |
| 1998 | | | | | | | | | | |
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| 2016 | | | | | | | | | | |
| 2017 | | | | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 264 | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | TO |
| 1979 | | | | | | | | | |
| 1980 | | | | | | | | | |
| 1981 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1982 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1983 | | | | | | | | | |
| 1984 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1985 | | | | | | | | | |
| 1986 | | | | | | | | | |
| 1987 | | | | | | | | | |
| 1988 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1989 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1990 | | | | | | | | | |
| 1991 | | | | | | | | | |
| 1992 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1993 | | | | | | | | | |
| 1994 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
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| 2011 | | | | | | | | | |
| 2012 | | | | | | | | | |
| 2013 | | | | | | | | | |
| 2014 | | | | | | | | | |
| 2015 | | | | | | | | | |
| 2016 | | | | | | | | | |
| 10-YR AVERAGE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 3 YR AVG. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 10-YR AVERAGE EXCL HI LO | | | | | | | | | |
| 5 YR AVG X HI/LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PRIOR SELECTED (9/30/2017) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| FACTORS FROM TAIL FACTOR STUDY | 1.031 | 1.029 | 1.028 | 1.027 | 1.025 | 1.025 | 1.024 | 1.023 | 1.022 |
| SELECTED | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CUMULATIVE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
 AS OF MARCH 31, 2018
 (AMTS IN THOUSANDS)
 UNLIMITED LOSSES

PAID LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | |
|----------------|--------------------|-----|-----|-----|-----|-----|-----|-----|--|
| | 372 | 384 | 396 | 408 | 420 | 432 | 444 | 456 | |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1980 | 0 | 0 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | |
| 1982 | 16 | 16 | 16 | 16 | 16 | 16 | | | |
| 1983 | 0 | 0 | 0 | 0 | 0 | | | | |
| 1984 | 0 | 0 | 0 | 0 | | | | | |
| 1985 | 0 | 0 | 0 | | | | | | |
| 1986 | 0 | 0 | | | | | | | |
| 1987 | 0 | | | | | | | | |
| 1988 | | | | | | | | | |
| 1989 | | | | | | | | | |
| 1990 | | | | | | | | | |
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| 2012 | | | | | | | | | |
| 2013 | | | | | | | | | |
| 2014 | | | | | | | | | |
| 2015 | | | | | | | | | |
| 2016 | | | | | | | | | |
| 2017 | | | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 372 | 384 | 396 | 408 | 420 | 432 | 444 | 456 |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | TO |
| 1979 | | | | | | | | |
| 1980 | | | | | | | | |
| 1981 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1982 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| 1983 | | | | | | | | |
| 1984 | 1.000 | 1.000 | 1.000 | | | | | |
| 1985 | | | | | | | | |
| 1986 | | | | | | | | |
| 1987 | | | | | | | | |
| 1988 | | | | | | | | |
| 1989 | | | | | | | | |
| 1990 | | | | | | | | |
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| 2010 | | | | | | | | |
| 2011 | | | | | | | | |
| 2012 | | | | | | | | |
| 2013 | | | | | | | | |
| 2014 | | | | | | | | |
| 2015 | | | | | | | | |
| 2016 | | | | | | | | |
| 10-YR AVERAGE | | | | | | | | |
| 3 YR AVG. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 10-YR AVERAGE EXCL HI LO | | | | | | | | |
| 5 YR AVG X HI LO | | | | | | | | |
| PRIOR SELECTED (9/30/2017) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| FACTORS FROM TAIL FACTOR STUDY | 1.022 | 1.021 | 1.021 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| SELECTED | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CUMULATIVE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE REPORTED CLAIM COUNT DEVELOPMENT FACTORS
WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018

REPORTED CLAIM COUNT DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | | | |
|----------------|--------------------|----|----|----|----|----|----|----|-----|-----|-----|-----|
| | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
| 1977 | | | | | | | | | | | | 11 |
| 1994 | | | | | | | | | | | 0 | 0 |
| 1995 | | | | | | | | | | 0 | 0 | 1 |
| 1996 | | | | | | | | | 3 | 3 | 3 | 3 |
| 1997 | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 1998 | | | | | | | 0 | 0 | 0 | 1 | 1 | 1 |
| 1999 | | | | | | 3 | 3 | 4 | 4 | 4 | 4 | 4 |
| 2000 | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2001 | | | | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 |
| 2002 | | | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 16 | 16 |
| 2003 | | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 46 | 46 | 47 |
| 2004 | 46 | 47 | 48 | 48 | 48 | 48 | 48 | 50 | 51 | 51 | 51 | 51 |
| 2005 | 37 | 38 | 40 | 41 | 41 | 41 | 41 | 42 | 42 | 42 | 42 | 42 |
| 2006 | 69 | 74 | 75 | 75 | 75 | 75 | 76 | 76 | 76 | 76 | 76 | 76 |
| 2007 | 87 | 89 | 89 | 89 | 90 | 91 | 91 | 91 | 91 | 92 | 92 | |
| 2008 | 46 | 48 | 51 | 51 | 52 | 52 | 52 | 52 | 52 | 52 | | |
| 2009 | 41 | 41 | 42 | 43 | 43 | 44 | 44 | 44 | 44 | | | |
| 2010 | 49 | 49 | 54 | 54 | 54 | 55 | 55 | 55 | | | | |
| 2011 | 31 | 34 | 34 | 34 | 34 | 34 | 35 | | | | | |
| 2012 | 75 | 76 | 77 | 77 | 77 | 77 | | | | | | |
| 2013 | 32 | 34 | 38 | 38 | 39 | | | | | | | |
| 2014 | 46 | 47 | 48 | 48 | | | | | | | | |
| 2015 | 67 | 65 | 65 | | | | | | | | | |
| 2016 | 47 | 48 | | | | | | | | | | |
| 2017 | 63 | | | | | | | | | | | |

CLAIM COUNT DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO 24 | TO 36 | TO 48 | TO 60 | TO 72 | TO 84 | TO 96 | TO 108 | TO 120 | TO 132 | TO 144 | TO 156 |
| 1977 | | | | | | | | | | | | 1.000 |
| 1994 | | | | | | | | | | | | |
| 1995 | | | | | | | | | | | | |
| 1996 | | | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 |
| 1997 | | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1998 | | | | | | | | | | 1.000 | 1.000 | 1.000 |
| 1999 | | | | | | 1.000 | 1.333 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2000 | | | | | | | | | | | | |
| 2001 | | | | 1.000 | 1.000 | 1.000 | 1.200 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2002 | | | 1.077 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.143 | 1.000 | 1.063 |
| 2003 | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.045 | 1.000 | 1.022 | 1.000 |
| 2004 | 1.022 | 1.021 | 1.000 | 1.000 | 1.000 | 1.000 | 1.042 | 1.020 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2005 | 1.027 | 1.053 | 1.025 | 1.000 | 1.000 | 1.000 | 1.024 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 2006 | 1.072 | 1.014 | 1.000 | 1.000 | 1.000 | 1.013 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 2007 | 1.023 | 1.000 | 1.000 | 1.011 | 1.011 | 1.000 | 1.000 | 1.000 | 1.011 | 1.000 | | |
| 2008 | 1.043 | 1.063 | 1.000 | 1.020 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 2009 | 1.000 | 1.024 | 1.024 | 1.000 | 1.023 | 1.000 | 1.000 | 1.000 | | | | |
| 2010 | 1.000 | 1.102 | 1.000 | 1.000 | 1.019 | 1.000 | 1.000 | | | | | |
| 2011 | 1.097 | 1.000 | 1.000 | 1.000 | 1.000 | 1.029 | | | | | | |
| 2012 | 1.013 | 1.013 | 1.000 | 1.000 | 1.000 | | | | | | | |
| 2013 | 1.063 | 1.118 | 1.000 | 1.026 | | | | | | | | |
| 2014 | 1.022 | 1.021 | 1.000 | | | | | | | | | |
| 2015 | 0.970 | 1.000 | | | | | | | | | | |
| 2016 | 1.021 | | | | | | | | | | | |
| AVERAGE | 1.029 | 1.033 | 1.010 | 1.004 | 1.004 | 1.004 | 1.054 | 1.002 | 1.005 | 1.013 | 1.002 | 1.007 |
| 3 YR AVG. | 1.004 | 1.046 | 1.000 | 1.009 | 1.006 | 1.010 | 1.000 | 1.000 | 1.004 | 1.000 | 1.000 | 1.000 |
| EXCL HI LO | 1.028 | 1.028 | 1.004 | 1.003 | 1.003 | 1.001 | 1.030 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 |
| 5 YR AVG X HI/LO | 1.019 | 1.011 | 1.000 | 1.000 | 1.006 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PRIOR SELECTED (9/30/2017) | 1.030 | 1.031 | 1.007 | 1.005 | 1.002 | 1.001 | 1.003 | 1.000 | 1.001 | 1.002 | 1.000 | 1.000 |
| SELECTED | 1.030 | 1.031 | 1.007 | 1.005 | 1.002 | 1.001 | 1.003 | 1.000 | 1.001 | 1.002 | 1.000 | 1.000 |
| CUMULATIVE | 1.085 | 1.053 | 1.021 | 1.014 | 1.009 | 1.008 | 1.006 | 1.003 | 1.002 | 1.002 | 1.000 | 1.000 |

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE REPORTED CLAIM COUNT DEVELOPMENT FACTORS
WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018

REPORTED CLAIM COUNT DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | |
|-------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 |
| 1977 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 12 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1996 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | |
| 1997 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | | |
| 1998 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 1999 | 4 | 4 | 4 | 4 | 4 | 4 | | | | |
| 2000 | 1 | 1 | 1 | 1 | 2 | | | | | |
| 2001 | 6 | 6 | 6 | 6 | | | | | | |
| 2002 | 17 | 17 | 17 | | | | | | | |
| 2003 | 47 | 47 | | | | | | | | |
| 2004 | 51 | | | | | | | | | |
| 2005 | | | | | | | | | | |
| 2006 | | | | | | | | | | |
| 2007 | | | | | | | | | | |
| 2008 | | | | | | | | | | |
| 2009 | | | | | | | | | | |
| 2010 | | | | | | | | | | |
| 2011 | | | | | | | | | | |
| 2012 | | | | | | | | | | |
| 2013 | | | | | | | | | | |
| 2014 | | | | | | | | | | |
| 2015 | | | | | | | | | | |
| 2016 | | | | | | | | | | |
| 2017 | | | | | | | | | | |

CLAIM COUNT DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO |
| | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | ULT. |
| 1977 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.091 | 1.000 | 1.000 | |
| 1994 | | | | | | | | 1.000 | 1.000 | |
| 1995 | | | | | | | | | | |
| 1996 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.333 | 1.000 | | |
| 1997 | 1.000 | 1.000 | 1.000 | 1.000 | 2.000 | 1.000 | 1.000 | | | |
| 1998 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | |
| 1999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| 2000 | 1.000 | 1.000 | 1.000 | 2.000 | | | | | | |
| 2001 | 1.000 | 1.000 | 1.000 | | | | | | | |
| 2002 | 1.000 | 1.000 | | | | | | | | |
| 2003 | 1.000 | | | | | | | | | |
| 2004 | | | | | | | | | | |
| 2005 | | | | | | | | | | |
| 2006 | | | | | | | | | | |
| 2007 | | | | | | | | | | |
| 2008 | | | | | | | | | | |
| 2009 | | | | | | | | | | |
| 2010 | | | | | | | | | | |
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| 2012 | | | | | | | | | | |
| 2013 | | | | | | | | | | |
| 2014 | | | | | | | | | | |
| 2015 | | | | | | | | | | |
| 2016 | | | | | | | | | | |
| AVERAGE | 1.000 | 1.000 | 1.000 | 1.167 | 1.200 | 1.000 | 1.141 | 1.000 | 1.000 | |
| 3 YR AVG. | 1.000 | 1.000 | 1.000 | 1.333 | 1.333 | 1.000 | 1.167 | 1.000 | 1.000 | |
| EXCL HI LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.091 | 1.000 | | |
| 5 YR AVG X HI/LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | |
| PRIOR SELECTED (9/30/2017) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| SELECTED | 1.000 | |
| CUMULATIVE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE CLAIM FREQUENCY AND ULTIMATE CLAIM SEVERITY
WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
LIMITED TO RETENTION

| ACCIDENT YEARS* | CLAIMS REPORTED @3/31/2018 | DEVELOPMENT FACTORS | ULTIMATE CLAIM COUNT | ULTIMATE LOSS | PAYROLL (\$000'S) | NUMBER OF CLAIMS PER \$MM OF PAYROLL (FREQUENCY) | AVERAGE CLAIM (SEVERITY) (WHOLE DOLLARS) |
|---------------------|----------------------------|---------------------|----------------------|---------------|-------------------|--|--|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 2004 | 51 | 1.000 | 51 | 1,696 | 116,865 | 0.4 | \$33,251 |
| 2005 | 42 | 1.000 | 42 | 1,374 | 134,969 | 0.3 | 32,704 |
| 2006 | 76 | 1.000 | 76 | 3,568 | 137,826 | 0.6 | 46,939 |
| 2007 | 92 | 1.001 | 92 | 3,253 | 147,222 | 0.6 | 35,319 |
| 2008 | 52 | 1.002 | 52 | 2,235 | 153,840 | 0.3 | 42,881 |
| 2009 | 44 | 1.003 | 44 | 1,788 | 164,709 | 0.3 | 40,545 |
| 2010 | 55 | 1.004 | 55 | 3,179 | 171,283 | 0.3 | 57,553 |
| 2011 | 35 | 1.007 | 35 | 1,864 | 175,841 | 0.2 | 52,900 |
| 2012 | 77 | 1.008 | 78 | 5,119 | 163,299 | 0.5 | 65,935 |
| 2013 | 39 | 1.012 | 39 | 3,500 | 159,681 | 0.2 | 88,733 |
| 2014 | 48 | 1.018 | 49 | 6,396 | 160,139 | 0.3 | 130,962 |
| 2015 | 65 | 1.037 | 67 | 7,063 | 158,286 | 0.4 | 104,774 |
| 2016 | 48 | 1.069 | 51 | 6,752 | 155,726 | 0.3 | 131,575 |
| 2017 | 65 | 1.085 | 71 | 7,024 | 155,525 | 0.5 | 99,613 |
| 10/1/2017-3/31/2018 | 18 | | 26 | 7,024 | 79,318 | 0.3 | 271,448 |
| TOTAL | 611 | | 565 | 27,576 | | | \$48,816 |

Notes:

- (1) & (5) - Per CITY OF JACKSONVILLE.
 - (2) - Per CITY OF JACKSONVILLE's historical loss patterns.
 - (3) = (1) x (2). For the most recent year, we used the average of prior years.
 - (4) = Exhibit I, Page 1, Column (5).
 - (6) = [(3) / (5)] x 1000.
 - (7) = [(4) / (3)] x 1000.
- *Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF PROJECTED LOSSES
WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEAR* | SELECTED ULTIMATE LOSSES (1) | RETENTION LIMIT (2) | PAYROLL (IN \$000'S) (3) | LOSS RATE (4) |
|--------------------------------------|---------------------------------|------------------------|-----------------------------|------------------|
| 1977 | 0 | 500 | N/A | |
| 1978 | 0 | 500 | N/A | |
| 1979 | 0 | 500 | N/A | |
| 1980 | 2 | 500 | N/A | |
| 1981 | 0 | 1000 | N/A | |
| 1982 | 16 | 1000 | N/A | |
| 1983 | 0 | 250 | N/A | |
| 1984 | 0 | 250 | N/A | |
| 1985 | 0 | 250 | N/A | |
| 1986 | 0 | 250 | N/A | |
| 1987 | 0 | 1000 | N/A | |
| 1988 | 0 | 1000 | N/A | |
| 1989 | 0 | 1000 | N/A | |
| 1990 | 0 | 1000 | N/A | |
| 1991 | 0 | 1000 | N/A | |
| 1992 | 0 | 1000 | N/A | |
| 1993 | 0 | 1000 | N/A | |
| 1994 | 1 | 1,000 | N/A | |
| 1995 | 0 | 1,000 | N/A | |
| 1996 | 32 | 1,000 | N/A | |
| 1997 | 174 | 1,000 | N/A | |
| 1998 | 0 | 1,000 | N/A | |
| 1999 | 2 | 1,000 | N/A | |
| 2000 | 658 | 1,000 | N/A | |
| 2001 | 3 | 1,000 | N/A | |
| 2002 | 444 | 1,000 | N/A | |
| 2003 | 1,891 | 1,200 | N/A | |
| 2004 | 1,696 | 1,200 | 116,865 | 0.015 |
| 2005 | 1,374 | 1,200 | 134,969 | 0.010 |
| 2006 | 3,568 | 1,200 | 137,826 | 0.026 |
| 2007 | 3,253 | 1,200 | 147,222 | 0.022 |
| 2008 | 2,235 | 1,200 | 153,840 | 0.015 |
| 2009 | 1,788 | 1,200 | 164,709 | 0.011 |
| 2010 | 3,179 | 1,200 | 171,283 | 0.019 |
| 2011 | 1,864 | 1,200 | 175,841 | 0.011 |
| 2012 | 5,119 | 1,200 | 163,299 | 0.031 |
| 2013 | 3,500 | 1,200 | 159,681 | 0.022 |
| 2014 | 6,396 | 1,250 | 160,139 | 0.040 |
| 2015 | 7,063 | 1,500 | 158,286 | 0.045 |
| 2016 | 6,752 | 1,500 | 155,726 | 0.043 |
| 2017 | 7,024 | 1,500 | 155,525 | 0.045 |
| 10/1/2017-3/31/2018 | 3,472 | 1,500 | 79,318 | 0.044 |
| (PROJ.) 4/1/2018 to 9/30/2018 | 3,153 | 1,500 | 79,318 | 0.040 |
| (PROJ.) 2018/2019 | 6,823 | 1,500 | 161,808 | 0.042 |
| (PROJ.) 2019/2020 | 7,098 | 1,500 | 165,045 | 0.043 |
| (PROJ.) 2020/2021 | 7,385 | 1,500 | 168,346 | 0.044 |
| (PROJ.) 2021/2022 | 7,684 | 1,500 | 171,712 | 0.045 |
| (PROJ.) 2022/2023 | 7,994 | 1,500 | 175,147 | 0.046 |

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.
 *Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEAR | 55% LEVEL (5) | 70% LEVEL (6) | 75% LEVEL (7) | 80% LEVEL (8) | 85% LEVEL (9) | 90% LEVEL (10) |
|-----------------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| 4/1/2018 to 9/30/2018 | 3,153 | 3,767 | 3,962 | 4,154 | 4,398 | 4,741 |
| 2018/2019 | 6,823 | 8,152 | 8,574 | 8,989 | 9,517 | 10,260 |
| 2019/2020 | 7,098 | 8,481 | 8,920 | 9,352 | 9,901 | 10,674 |
| 2020/2021 | 7,385 | 8,824 | 9,281 | 9,730 | 10,301 | 11,106 |
| 2021/2022 | 7,684 | 9,180 | 9,656 | 10,123 | 10,718 | 11,554 |
| 2022/2023 | 7,994 | 9,551 | 10,046 | 10,532 | 11,151 | 12,021 |

Notes:
 (1) - Exhibit I, Page 1, Column (5). For the projection years (1) = (3) x (4).
 (2) & (3) - Per CITY OF JACKSONVILLE.
 (4) = (1) / (3). For the projected years, it is selected based on prior years.
 (5) = Projected losses in Column (1).
 (6) to (10) - Based on Monte Carlo Simulation Approach.

**Retention for 1993 and Prior

| | |
|----------------|-----------|
| Effective Date | Retention |
| 10/1/1977 | 500 |
| 10/1/1980 | 1,000 |
| 10/1/1982 | 250 |
| 11/1/1986 | 1,000 |
| 10/1/2002 | 1,200 |

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.
 *Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
ANALYSIS OF RESERVE CHANGE
WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| | |
|---|------------------|
| 1. Estimated net undiscounted reserves at 9/30/2017 | \$34,532 |
| 2. Loss payments during 10/1/2017 -3/31/2018 for the accident period 9/30/2017 and prior | (\$1,977) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018 | (\$901) |
| 4. Estimated ultimate losses for the period 10/1/2017-3/31/2018 | \$3,472 |
| 5. Loss payments during 10/1/2017 -3/31/2018 for the accident period 10/1/2017 -3/31/2018 | (\$37) |
| 6. Estimated net undiscounted reserves at 3/31/2018 | \$35,088 |

Notes:

- (1) - Per AMI Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit I, Page 8C, Column (3).
- (3) - Total from Exhibit I, Page 8B, Column (3).
- (4) - See Exhibit I, Page 1, Column (5), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$21 | \$21 | 0 |
| 1995 | 0 | 0 | 0 |
| 1996 | 32 | 32 | 0 |
| 1997 | 174 | 174 | 0 |
| 1998 | 0 | 0 | 0 |
| 1999 | 2 | 2 | 0 |
| 2000 | 565 | 658 | 93 |
| 2001 | 3 | 3 | (0) |
| 2002 | 454 | 444 | (10) |
| 2003 | 1,873 | 1,891 | 19 |
| 2004 | 1,625 | 1,696 | 71 |
| 2005 | 1,317 | 1,374 | 57 |
| 2006 | 3,467 | 3,568 | 101 |
| 2007 | 3,097 | 3,253 | 156 |
| 2008 | 2,746 | 2,235 | (511) |
| 2009 | 2,038 | 1,788 | (250) |
| 2010 | 3,585 | 3,179 | (406) |
| 2011 | 2,229 | 1,864 | (365) |
| 2012 | 5,506 | 5,119 | (387) |
| 2013 | 3,541 | 3,500 | (41) |
| 2014 | 6,276 | 6,396 | 121 |
| 2015 | 7,166 | 7,063 | (103) |
| 2016 | 7,120 | 6,752 | (369) |
| 2017 | 6,102 | 7,024 | 923 |
| TOTAL | \$58,938 | \$58,037 | (901) |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit I, Page 1, Column (5).

(3) = (2) - (1).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|-----------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$21 | \$21 | \$0 |
| 1995 | 0 | 0 | 0 |
| 1996 | 32 | 32 | 0 |
| 1997 | 174 | 174 | 0 |
| 1998 | 0 | 0 | 0 |
| 1999 | 2 | 2 | 0 |
| 2000 | 405 | 421 | 16 |
| 2001 | 3 | 3 | 0 |
| 2002 | 412 | 415 | 3 |
| 2003 | 1,530 | 1,596 | 66 |
| 2004 | 1,180 | 1,189 | 9 |
| 2005 | 847 | 870 | 23 |
| 2006 | 2,171 | 2,259 | 88 |
| 2007 | 2,090 | 2,225 | 135 |
| 2008 | 1,874 | 1,878 | 4 |
| 2009 | 1,003 | 1,039 | 36 |
| 2010 | 1,952 | 1,999 | 47 |
| 2011 | 795 | 836 | 40 |
| 2012 | 2,635 | 2,731 | 95 |
| 2013 | 1,117 | 1,283 | 166 |
| 2014 | 2,144 | 2,335 | 191 |
| 2015 | 2,065 | 2,469 | 403 |
| 2016 | 1,478 | 1,714 | 236 |
| 2017 | 475 | 894 | 419 |
| TOTAL | \$24,407 | \$26,384 | \$1,977 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit I, Page 1, Column (6).

(3) = (2) - (1).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF TOTAL RESERVES
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

ALL APPROACHES COMBINED

| ACCIDENT YEAR* | ILDA ULTIMATE LOSSES | PLDA ULTIMATE LOSSES | BFILA ULTIMATE LOSSES | BFPLA ULTIMATE LOSSES | SELECTED ULTIMATE LOSSES | PAID LOSSES @3/31/2018 | LOSS RESERVES @3/31/2018 |
|----------------|----------------------|----------------------|-----------------------|-----------------------|--------------------------|------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 1977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1978 | 358 | 358 | 358 | 358 | 358 | 358 | 0 |
| 1979 | 5 | 5 | 5 | 5 | 5 | 5 | 0 |
| 1980 | 505 | 505 | 505 | 505 | 505 | 505 | 0 |
| 1981 | 1,507 | 1,450 | 1,507 | 1,507 | 1,493 | 1,450 | 42 |
| 1982 | 1,625 | 1,625 | 1,625 | 1,625 | 1,625 | 1,625 | 0 |
| 1983 | 2,096 | 2,016 | 2,096 | 2,096 | 2,076 | 2,016 | 60 |
| 1984 | 2,250 | 2,194 | 2,250 | 2,250 | 2,236 | 2,194 | 42 |
| 1985 | 906 | 906 | 906 | 906 | 906 | 906 | 0 |
| 1986 | 1,034 | 979 | 1,034 | 1,034 | 1,020 | 979 | 41 |
| 1987 | 94 | 94 | 94 | 94 | 94 | 94 | 0 |
| 1988 | 2,401 | 2,401 | 2,401 | 2,401 | 2,401 | 2,401 | 0 |
| 1989 | 1,187 | 1,006 | 1,187 | 1,187 | 1,142 | 1,006 | 136 |
| 1990 | 2,201 | 1,990 | 2,201 | 2,201 | 2,148 | 1,990 | 158 |
| 1991 | 1,649 | 1,531 | 1,649 | 1,649 | 1,620 | 1,531 | 89 |
| 1992 | 411 | 269 | 411 | 411 | 375 | 269 | 106 |
| 1993 | 646 | 544 | 646 | 646 | 621 | 544 | 76 |
| 1994 | 2,832 | 2,696 | 2,832 | 2,813 | 2,793 | 2,659 | 134 |
| 1995 | 4,098 | 3,390 | 4,091 | 4,014 | 3,898 | 3,251 | 647 |
| 1996 | 9,553 | 7,945 | 9,525 | 9,219 | 9,060 | 7,396 | 1,664 |
| 1997 | 4,714 | 4,814 | 4,718 | 4,809 | 4,764 | 4,344 | 420 |
| 1998 | 4,928 | 3,933 | 4,877 | 4,417 | 4,539 | 3,432 | 1,106 |
| 1999 | 3,734 | 2,905 | 3,675 | 3,203 | 3,379 | 2,448 | 931 |
| 2000 | 6,099 | 4,532 | 5,959 | 5,006 | 5,399 | 3,655 | 1,744 |
| 2001 | 9,497 | 6,608 | 9,187 | 7,459 | 8,188 | 5,057 | 3,131 |
| 2002 | 4,616 | 3,948 | 4,530 | 4,041 | 4,284 | 2,847 | 1,437 |
| 2003 | 4,448 | 2,647 | 4,172 | 3,086 | 3,588 | 1,788 | 1,800 |
| 2004 | 3,576 | 2,119 | 3,320 | 2,387 | 2,850 | 1,340 | 1,511 |
| 2005 | 4,099 | 2,962 | 3,875 | 3,196 | 3,533 | 1,745 | 1,788 |
| 2006 | 1,940 | 1,139 | 2,663 | 2,260 | 2,000 | 622 | 1,378 |
| 2007 | 791 | 556 | 2,236 | 2,190 | 1,443 | 281 | 1,162 |
| 2008 | 2,816 | 2,907 | 2,243 | 2,256 | 2,555 | 1,361 | 1,195 |
| 2009 | 953 | 833 | 1,577 | 1,558 | 1,230 | 361 | 869 |
| 2010 | 2,610 | 2,295 | 2,648 | 2,524 | 2,519 | 921 | 1,598 |
| 2011 | 2,167 | 1,218 | 2,628 | 2,300 | 2,078 | 453 | 1,626 |
| 2012 | 3,973 | 2,866 | 3,440 | 3,031 | 3,327 | 987 | 2,341 |
| 2013 | 3,736 | 2,757 | 3,537 | 3,216 | 3,311 | 877 | 2,434 |
| 2014 | 1,649 | 1,356 | 3,294 | 3,315 | 2,403 | 381 | 2,022 |
| 2015 | 12,713 | 9,907 | 6,590 | 5,383 | 5,986 | 2,302 | 3,684 |
| 2016 | 4,458 | 3,741 | 4,080 | 3,922 | 4,050 | 657 | 3,394 |
| 2017 | 3,744 | 2,680 | 4,023 | 3,935 | 3,595 | 278 | 3,317 |
| 2018 | 1,896 | 1,490 | 2,247 | 2,017 | 1,913 | 23 | 1,890 |
| TOTAL | \$124,513 | \$100,118 | \$120,840 | \$110,429 | \$111,313 | \$67,340 | \$43,973 |

Notes:

(1), (2), (3) & (4) - Ultimate incurred losses calculated from Exhibit II, Pages 2 and 3.

(5) = Selected based on (1), (2), (3) & (4).

(6) - Per CITY OF JACKSONVILLE.

(7) = (5) - (6).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE LOSSES - LOSS DEVELOPMENT APPROACH
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

INCURRED LOSS DEVELOPMENT APPROACH

| ACCIDENT YEAR* | INCURRED LOSSES @ 3/31/2018 | LARGE LOSSES EXCLUDED FROM DEVELOPMENT | LOSS DEVELOPMENT FACTORS | ULTIMATE INCURRED LOSSES | PAYROLL (IN \$000'S) | ESTIMATED LOSS RATE |
|----------------|-----------------------------|--|--------------------------|--------------------------|----------------------|---------------------|
| | (1) | (1A) | (2) | (3) | (4) | (5) |
| 1977 | 80 | | 1.000 | 0 | N/A | |
| 1978 | 358 | | 1.000 | 358 | N/A | |
| 1979 | 5 | | 1.000 | 5 | N/A | |
| 1980 | 505 | | 1.000 | 505 | N/A | |
| 1981 | 1,507 | | 1.000 | 1,507 | N/A | |
| 1982 | 1,625 | | 1.000 | 1,625 | N/A | |
| 1983 | 2,096 | | 1.000 | 2,096 | N/A | |
| 1984 | 2,250 | | 1.000 | 2,250 | N/A | |
| 1985 | 906 | | 1.000 | 906 | N/A | |
| 1986 | 1,034 | | 1.000 | 1,034 | N/A | |
| 1987 | 94 | | 1.000 | 94 | N/A | |
| 1988 | 2,401 | | 1.000 | 2,401 | N/A | |
| 1989 | 1,187 | | 1.000 | 1,187 | N/A | |
| 1990 | 2,201 | | 1.000 | 2,201 | N/A | |
| 1991 | 1,649 | | 1.000 | 1,649 | N/A | |
| 1992 | 411 | | 1.000 | 411 | N/A | |
| 1993 | 646 | | 1.000 | 646 | N/A | |
| 1994 | 2,813 | | 1.007 | 2,832 | N/A | |
| 1995 | 4,014 | | 1.021 | 4,098 | N/A | |
| 1996 | 9,219 | | 1.036 | 9,553 | N/A | |
| 1997 | 4,415 | | 1.068 | 4,714 | N/A | |
| 1998 | 4,417 | | 1.116 | 4,928 | N/A | |
| 1999 | 3,205 | | 1.166 | 3,734 | N/A | |
| 2000 | 5,006 | | 1.218 | 6,099 | N/A | |
| 2001 | 7,459 | | 1.273 | 9,497 | 49,323 | 0.193 |
| 2002 | 3,427 | | 1.347 | 4,616 | 51,475 | 0.090 |
| 2003 | 3,086 | | 1.441 | 4,448 | 54,736 | 0.081 |
| 2004 | 2,319 | | 1.542 | 3,576 | 56,264 | 0.064 |
| 2005 | 2,484 | | 1.630 | 4,099 | 67,634 | 0.061 |
| 2006 | 1,099 | | 1.765 | 1,940 | 67,158 | 0.029 |
| 2007 | 419 | | 1.889 | 791 | 71,897 | 0.011 |
| 2008 | 1,293 | | 2.021 | 2,616 | 74,955 | 0.038 |
| 2009 | 441 | | 2.163 | 953 | 77,831 | 0.012 |
| 2010 | 1,128 | | 2.314 | 2,610 | 84,047 | 0.031 |
| 2011 | 875 | | 2.476 | 2,167 | 80,441 | 0.027 |
| 2012 | 1,500 | | 2.649 | 3,973 | 75,531 | 0.053 |
| 2013 | 1,312 | | 2.848 | 3,736 | 74,599 | 0.050 |
| 2014 | 533 | | 3.091 | 1,649 | 79,498 | 0.021 |
| 2015 | 3,765 | | 3.376 | 12,713 | 79,710 | 0.159 |
| 2016 | 1,078 | | 4.137 | 4,488 | 78,664 | 0.057 |
| 2017 | 637 | | 5.878 | 3,744 | 81,051 | 0.046 |
| 2018 | 379 | | | 1,896 | 41,336 | 0.046 |
| TOTAL | \$85,294 | | | \$124,513 | | |

PAID LOSS DEVELOPMENT APPROACH

| ACCIDENT YEAR* | PAID LOSSES @ 3/31/2018 | LARGE LOSSES EXCLUDED FROM DEVELOPMENT | LOSS DEVELOPMENT FACTORS | ULTIMATE INCURRED LOSSES | PAYROLL (IN \$000'S) | ESTIMATED LOSS RATE |
|----------------|-------------------------|--|--------------------------|--------------------------|----------------------|---------------------|
| | (6) | (6A) | (7) | (8) | (9) | (10) |
| 1977 | 80 | | 1.000 | 0 | N/A | |
| 1978 | 358 | | 1.000 | 358 | N/A | |
| 1979 | 5 | | 1.000 | 5 | N/A | |
| 1980 | 505 | | 1.000 | 505 | N/A | |
| 1981 | 1,430 | | 1.000 | 1,430 | N/A | |
| 1982 | 1,625 | | 1.000 | 1,625 | N/A | |
| 1983 | 2,016 | | 1.000 | 2,016 | N/A | |
| 1984 | 2,194 | | 1.000 | 2,194 | N/A | |
| 1985 | 906 | | 1.000 | 906 | N/A | |
| 1986 | 979 | | 1.000 | 979 | N/A | |
| 1987 | 94 | | 1.000 | 94 | N/A | |
| 1988 | 2,401 | | 1.000 | 2,401 | N/A | |
| 1989 | 1,006 | | 1.000 | 1,006 | N/A | |
| 1990 | 1,990 | | 1.000 | 1,990 | N/A | |
| 1991 | 1,531 | | 1.000 | 1,531 | N/A | |
| 1992 | 269 | | 1.000 | 269 | N/A | |
| 1993 | 544 | | 1.000 | 544 | N/A | |
| 1994 | 2,659 | | 1.014 | 2,696 | N/A | |
| 1995 | 3,251 | | 1.043 | 3,390 | N/A | |
| 1996 | 7,396 | | 1.074 | 7,945 | N/A | |
| 1997 | 4,344 | | 1.108 | 4,814 | N/A | |
| 1998 | 3,432 | | 1.146 | 3,933 | N/A | |
| 1999 | 2,448 | | 1.187 | 2,905 | N/A | |
| 2000 | 3,655 | | 1.240 | 4,532 | N/A | |
| 2001 | 5,057 | | 1.307 | 6,608 | 49,323 | 0.134 |
| 2002 | 2,847 | | 1.386 | 3,948 | 51,475 | 0.077 |
| 2003 | 1,788 | | 1.480 | 2,647 | 54,736 | 0.048 |
| 2004 | 1,340 | | 1.582 | 2,119 | 56,264 | 0.038 |
| 2005 | 1,745 | | 1.698 | 2,962 | 67,634 | 0.044 |
| 2006 | 622 | | 1.831 | 1,139 | 67,158 | 0.017 |
| 2007 | 281 | | 1.978 | 556 | 71,897 | 0.008 |
| 2008 | 1,361 | | 2.136 | 2,907 | 74,955 | 0.039 |
| 2009 | 361 | | 2.307 | 833 | 77,831 | 0.011 |
| 2010 | 921 | | 2.491 | 2,295 | 84,047 | 0.027 |
| 2011 | 453 | | 2.690 | 1,218 | 80,441 | 0.015 |
| 2012 | 987 | | 2.905 | 2,866 | 75,531 | 0.038 |
| 2013 | 877 | | 3.144 | 2,757 | 74,599 | 0.037 |
| 2014 | 381 | | 3.359 | 1,356 | 79,498 | 0.017 |
| 2015 | 2,302 | | 4.303 | 9,907 | 79,710 | 0.124 |
| 2016 | 657 | | 5.698 | 3,741 | 78,664 | 0.048 |
| 2017 | 278 | | 9.635 | 2,680 | 81,051 | 0.033 |
| 2018 | 23 | | | 1,490 | 41,336 | 0.036 |
| TOTAL | \$67,340 | | | \$100,118 | | |

Notes:
(1), (4), (6) & (9) - Per CITY OF JACKSONVILLE.
(2) & (7) - Per City's historical loss patterns.
(3) = (1) x (2); (8) = (6) x (7). If ultimate incurred losses in (8) are less than the incurred losses in (1), we used the losses in (1).
For the most recent year, we used the Loss Rate Approach.
(5) = (3) / (4); (10) = (8) / (9). For the most recent year, it is the average of prior years.
*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.
*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE LOSSES - BORNHUETTER-FERGUSON APPROACH
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

BORNHUETTER-FERGUSON INCURRED LOSS APPROACH

| ACCIDENT YEAR* | ESTIMATED LOSS RATE (1) | PAYROLL (\$ '000s) (2) | EXPECTED ULTIMATE LOSSES (3) | EXPECTED % OF LOSSES UNREPORTED (4) | IBNR RESERVES (5) | INCURRED LOSSES @ 3/31/2018 (6) | ULTIMATE INCURRED LOSSES (7) |
|----------------|-------------------------|------------------------|------------------------------|-------------------------------------|-------------------|---------------------------------|------------------------------|
| 1977 | | N/A | 0 | 0.0% | 0 | 50 | 50 |
| 1978 | | N/A | 358 | 0.0% | 0 | 358 | 358 |
| 1979 | | N/A | 5 | 0.0% | 0 | 5 | 5 |
| 1980 | | N/A | 505 | 0.0% | 0 | 505 | 505 |
| 1981 | | N/A | 1,479 | 0.0% | 0 | 1,507 | 1,507 |
| 1982 | | N/A | 1,625 | 0.0% | 0 | 1,625 | 1,625 |
| 1983 | | N/A | 2,056 | 0.0% | 0 | 2,096 | 2,096 |
| 1984 | | N/A | 2,222 | 0.0% | 0 | 2,250 | 2,250 |
| 1985 | | N/A | 906 | 0.0% | 0 | 906 | 906 |
| 1986 | | N/A | 1,006 | 0.0% | 0 | 1,034 | 1,034 |
| 1987 | | N/A | 94 | 0.0% | 0 | 94 | 94 |
| 1988 | | N/A | 2,401 | 0.0% | 0 | 2,401 | 2,401 |
| 1989 | | N/A | 1,097 | 0.0% | 0 | 1,187 | 1,187 |
| 1990 | | N/A | 2,096 | 0.0% | 0 | 2,201 | 2,201 |
| 1991 | | N/A | 1,590 | 0.0% | 0 | 1,649 | 1,649 |
| 1992 | | N/A | 340 | 0.0% | 0 | 411 | 411 |
| 1993 | | N/A | 595 | 0.0% | 0 | 646 | 646 |
| 1994 | | N/A | 2,764 | 0.7% | 19 | 2,813 | 2,832 |
| 1995 | | N/A | 3,744 | 2.1% | 77 | 4,014 | 4,091 |
| 1996 | | N/A | 8,749 | 3.5% | 306 | 9,219 | 9,525 |
| 1997 | | N/A | 4,764 | 6.3% | 302 | 4,415 | 4,718 |
| 1998 | | N/A | 4,431 | 10.4% | 460 | 4,417 | 4,877 |
| 1999 | | N/A | 3,320 | 14.2% | 473 | 3,203 | 3,675 |
| 2000 | | N/A | 5,315 | 17.9% | 953 | 5,006 | 5,959 |
| 2001 | 0.163 | 49,323 | 8,053 | 21.5% | 1,728 | 7,459 | 9,187 |
| 2002 | 0.083 | 51,475 | 4,282 | 25.8% | 1,103 | 3,427 | 4,530 |
| 2003 | 0.065 | 54,736 | 3,547 | 30.6% | 1,086 | 3,086 | 4,172 |
| 2004 | 0.051 | 56,264 | 2,847 | 35.2% | 1,001 | 2,319 | 3,320 |
| 2005 | 0.052 | 67,634 | 3,530 | 39.6% | 1,391 | 2,484 | 3,875 |
| 2006 | 0.054 | 67,158 | 3,607 | 43.4% | 1,564 | 1,099 | 2,663 |
| 2007 | 0.054 | 71,897 | 3,862 | 47.1% | 1,817 | 419 | 2,236 |
| 2008 | 0.022 | 74,955 | 1,682 | 50.5% | 850 | 1,393 | 2,243 |
| 2009 | 0.027 | 77,831 | 2,113 | 53.8% | 1,136 | 441 | 1,577 |
| 2010 | 0.032 | 84,047 | 2,677 | 56.8% | 1,520 | 1,128 | 2,648 |
| 2011 | 0.037 | 80,441 | 2,941 | 59.6% | 1,753 | 975 | 2,528 |
| 2012 | 0.041 | 75,531 | 3,117 | 62.3% | 1,940 | 1,500 | 3,440 |
| 2013 | 0.046 | 74,599 | 3,429 | 64.9% | 2,225 | 1,312 | 3,537 |
| 2014 | 0.051 | 79,498 | 4,081 | 67.6% | 2,761 | 533 | 3,294 |
| 2015 | 0.050 | 79,710 | 4,013 | 70.4% | 2,824 | 3,765 | 6,590 |
| 2016 | 0.050 | 78,664 | 3,960 | 75.8% | 3,003 | 1,078 | 4,080 |
| 2017 | 0.050 | 81,051 | 4,080 | 83.0% | 3,386 | 637 | 4,023 |
| 2018 | 0.050 | 41,336 | 2,081 | 89.8% | 1,868 | 379 | 2,247 |
| TOTAL | | | | | \$35,547 | \$85,294 | \$120,840 |

BORNHUETTER-FERGUSON PAID LOSS APPROACH

| ACCIDENT YEAR* | ESTIMATED LOSS RATE (8) | PAYROLL (\$ '000s) (9) | EXPECTED ULTIMATE LOSSES (10) | EXPECTED % OF LOSSES UNPAID (11) | LOSS RESERVES (12) | PAID LOSSES @ 3/31/2018 (13) | ULTIMATE INCURRED LOSSES (14) |
|----------------|-------------------------|------------------------|-------------------------------|----------------------------------|--------------------|------------------------------|-------------------------------|
| 1977 | | N/A | 0 | 0.0% | 0 | 50 | 50 |
| 1978 | | N/A | 358 | 0.0% | 0 | 358 | 358 |
| 1979 | | N/A | 5 | 0.0% | 0 | 5 | 5 |
| 1980 | | N/A | 505 | 0.0% | 0 | 505 | 505 |
| 1981 | | N/A | 1,479 | 0.0% | 0 | 1,450 | 1,507 |
| 1982 | | N/A | 1,625 | 0.0% | 0 | 1,625 | 1,625 |
| 1983 | | N/A | 2,056 | 0.0% | 0 | 2,016 | 2,096 |
| 1984 | | N/A | 2,222 | 0.0% | 0 | 2,194 | 2,250 |
| 1985 | | N/A | 906 | 0.0% | 0 | 906 | 906 |
| 1986 | | N/A | 1,006 | 0.0% | 0 | 979 | 1,034 |
| 1987 | | N/A | 94 | 0.0% | 0 | 94 | 94 |
| 1988 | | N/A | 2,401 | 0.0% | 0 | 2,401 | 2,401 |
| 1989 | | N/A | 1,097 | 0.0% | 0 | 1,006 | 1,187 |
| 1990 | | N/A | 2,096 | 0.0% | 0 | 1,990 | 2,201 |
| 1991 | | N/A | 1,590 | 0.0% | 0 | 1,531 | 1,649 |
| 1992 | | N/A | 340 | 0.0% | 0 | 269 | 411 |
| 1993 | | N/A | 595 | 0.0% | 0 | 544 | 646 |
| 1994 | | N/A | 2,764 | 1.4% | 38 | 2,659 | 2,813 |
| 1995 | | N/A | 3,744 | 4.1% | 154 | 3,251 | 4,014 |
| 1996 | | N/A | 8,749 | 6.9% | 604 | 7,396 | 9,219 |
| 1997 | | N/A | 4,764 | 9.8% | 466 | 4,344 | 4,809 |
| 1998 | | N/A | 4,431 | 12.7% | 564 | 3,432 | 4,417 |
| 1999 | | N/A | 3,320 | 15.7% | 522 | 2,448 | 3,203 |
| 2000 | | N/A | 5,315 | 19.3% | 1,028 | 3,655 | 5,006 |
| 2001 | 0.163 | 49,323 | 8,053 | 23.5% | 1,890 | 5,057 | 7,459 |
| 2002 | 0.083 | 51,475 | 4,282 | 27.9% | 1,194 | 2,847 | 4,041 |
| 2003 | 0.065 | 54,736 | 3,547 | 32.4% | 1,151 | 1,788 | 3,086 |
| 2004 | 0.051 | 56,264 | 2,847 | 36.8% | 1,047 | 1,340 | 2,387 |
| 2005 | 0.052 | 67,634 | 3,530 | 41.1% | 1,451 | 1,745 | 3,196 |
| 2006 | 0.054 | 67,158 | 3,607 | 45.4% | 1,637 | 622 | 2,260 |
| 2007 | 0.054 | 71,897 | 3,862 | 49.4% | 1,909 | 281 | 2,190 |
| 2008 | 0.022 | 74,955 | 1,682 | 53.2% | 895 | 1,361 | 2,256 |
| 2009 | 0.027 | 77,831 | 2,113 | 56.7% | 1,197 | 361 | 1,558 |
| 2010 | 0.032 | 84,047 | 2,677 | 59.9% | 1,663 | 921 | 2,524 |
| 2011 | 0.037 | 80,441 | 2,941 | 62.8% | 1,848 | 453 | 2,300 |
| 2012 | 0.041 | 75,531 | 3,117 | 65.6% | 2,044 | 987 | 3,031 |
| 2013 | 0.046 | 74,599 | 3,429 | 68.2% | 2,339 | 877 | 3,216 |
| 2014 | 0.051 | 79,498 | 4,081 | 71.9% | 2,934 | 381 | 3,315 |
| 2015 | 0.050 | 79,710 | 4,013 | 76.8% | 3,080 | 2,302 | 5,383 |
| 2016 | 0.050 | 78,664 | 3,960 | 82.4% | 3,265 | 357 | 3,922 |
| 2017 | 0.050 | 81,051 | 4,080 | 89.6% | 3,657 | 278 | 3,925 |
| 2018 | 0.050 | 41,336 | 2,081 | 95.8% | 1,994 | 23 | 2,017 |
| TOTAL | | | | | \$38,511 | \$67,340 | \$110,429 |

Notes:
(2), (6), (9) & (13) - Per CITY OF JACKSONVILLE.
(1) & (8) - Exhibit II, Page 2, Columns (5) and (10). These Loss Rates are the selected based on Exhibit II, Page 2 loss rates.
(3) = (1) x (2); (10) = (8) x (9). For years with no exposure, (3) & (10) are the average of the ILDA and PLDA ultimates.
(4) = (1 - (1/ILDF)); (11) = (1 - (1/PLDF)).
(5) = (3) x (4); (12) = (10) x (11).
(7) = (5) + (6); (14) = (12) + (13). If ultimate incurred losses in (14) are less than the incurred losses in (6), we used the incurred losses in (6).
*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
SELECTION OF INITIAL LOSS RATE FOR BORNHUETTNER-FERGUSON APPROACHES
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT PERIODS | ULTIMATE LOSSES PER ILDA | ULTIMATE LOSSES PER PLDA | RETENTION | ADJUSTMENT TO CURRENT RETENTION | PAYROLL (IN \$000'S) | LOSS RATE AT CURRENT RETENTION | FITTED LOSS RATE | SELECTED INITIAL LOSS RATE ACTUAL RETENTION |
|---------------------|--------------------------|--------------------------|--------------|---------------------------------|----------------------|--------------------------------|------------------|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| 2000 | \$6,099 | \$4,532 | \$1,000 | 1.057 | N/A | | | |
| 2001 | 9,497 | 6,608 | 1,000 | 1.057 | 49,323 | 17.26% | | |
| 2002 | 4,616 | 3,948 | 1,000 | 1.057 | 51,475 | 8.79% | | |
| 2003 | 4,448 | 2,647 | 1,200 | 1.029 | 54,736 | 6.67% | | |
| 2004 | 3,576 | 2,119 | 1,200 | 1.029 | 56,264 | 5.21% | | |
| 2005 | 4,099 | 2,962 | 1,200 | 1.029 | 67,634 | 5.37% | | |
| 2006 | 1,940 | 1,139 | 1,200 | 1.029 | 67,158 | 2.36% | 1.34% | 1.30% |
| 2007 | 791 | 556 | 1,200 | 1.029 | 71,897 | 0.96% | 1.83% | 1.77% |
| 2008 | 2,816 | 2,907 | 1,200 | 1.029 | 74,955 | 3.93% | 2.31% | 2.24% |
| 2009 | 953 | 833 | 1,200 | 1.029 | 77,831 | 1.18% | 2.79% | 2.72% |
| 2010 | 2,610 | 2,295 | 1,200 | 1.029 | 84,047 | 3.00% | 3.28% | 3.19% |
| 2011 | 2,167 | 1,218 | 1,200 | 1.029 | 80,441 | 2.16% | 3.76% | 3.66% |
| 2012 | 3,973 | 2,866 | 1,200 | 1.029 | 75,531 | 4.66% | 4.25% | 4.13% |
| 2013 | 3,736 | 2,757 | 1,200 | 1.029 | 74,599 | 4.48% | 4.73% | 4.60% |
| 2014 | 1,649 | 1,356 | 1,250 | 1.016 | 79,498 | 1.92% | 5.21% | 5.13% |
| 2015 | 12,713 | 9,907 | 1,250 | 1.000 | 79,710 | 14.19% | 5.70% | 5.70% |
| 2016 | 4,458 | 3,741 | 1,250 | 1.000 | 78,664 | 5.21% | 6.18% | 6.18% |
| 2017 | 3,744 | 2,680 | 1,250 | 1.000 | 81,051 | 3.96% | 6.67% | 6.67% |
| 10/1/2017-3/31/2018 | 1,896 | 1,490 | 1,250 | 1.000 | 41,336 | 4.10% | 7.15% | 7.15% |
| 4/1/2018-9/30/2018 | | | 1,250 | 1.000 | 41,336 | | 7.15% | 7.15% |
| 2019 | | | | 1.000 | 78,664 | | 9.57% | 9.57% |

| | |
|------------------|--------|
| Average | 5.37% |
| Weighted Average | 5.03% |
| Selected | fitted |

Notes:

- (1) - Per Exhibit II, Page 2, Column (3).
- (1) - Per Exhibit II, Page 2, Column (8).
- (3) & (5) - Per CITY OF JACKSONVILLE.
- (4) & (7) - Per AMI calculation.
- (6) = [Average of (1) & (2)] x [(4)/(5)].
- (8) = (7)/(4).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

INCURRED LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | |
|----------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 |
| 1978 | 230 | 361 | 361 | 362 | 403 | 358 | 358 | 358 | 358 |
| 1979 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1980 | 195 | 205 | 235 | 297 | 297 | 362 | 396 | 396 | 396 |
| 1981 | 602 | 602 | 630 | 606 | 606 | 582 | 591 | 656 | 656 |
| 1982 | 559 | 564 | 614 | 617 | 831 | 831 | 831 | 931 | 931 |
| 1983 | 1,585 | 1,585 | 1,634 | 2,082 | 2,086 | 2,063 | 2,246 | 2,340 | 2,402 |
| 1984 | 1,150 | 1,243 | 1,493 | 1,563 | 1,633 | 1,628 | 1,665 | 1,871 | 2,244 |
| 1985 | 1,141 | 1,500 | 1,500 | 1,470 | 1,486 | 1,523 | 1,495 | 1,480 | 1,453 |
| 1986 | 275 | 357 | 357 | 357 | 331 | 345 | 350 | 444 | 538 |
| 1987 | 97 | 97 | 127 | 94 | 94 | 94 | 94 | 94 | 94 |
| 1988 | 1,565 | 1,565 | 1,433 | 1,332 | 1,544 | 1,538 | 1,598 | 2,066 | 2,071 |
| 1989 | 474 | 511 | 531 | 531 | 561 | 556 | 580 | 632 | 583 |
| 1990 | 1,255 | 1,442 | 1,453 | 1,623 | 1,738 | 1,658 | 1,708 | 1,933 | 2,003 |
| 1991 | 322 | 322 | 322 | 497 | 1,000 | 1,390 | 1,442 | 1,442 | 1,483 |
| 1992 | 159 | 159 | 184 | 218 | 223 | 216 | 216 | 216 | 366 |
| 1993 | 315 | 357 | 391 | 396 | 423 | 423 | 438 | 613 | 613 |
| 1994 | 1,756 | 2,645 | 2,645 | 2,775 | 2,779 | 2,799 | 2,799 | 2,864 | 2,889 |
| 1995 | 2,785 | 2,840 | 2,971 | 3,071 | 3,089 | 3,275 | 3,359 | 3,757 | 4,186 |
| 1996 | 6,136 | 6,734 | 6,792 | 7,324 | 7,517 | 7,678 | 8,324 | 8,981 | 9,240 |
| 1997 | 4,034 | 4,194 | 4,469 | 4,669 | 4,869 | 4,613 | 4,978 | 5,011 | 5,011 |
| 1998 | 3,296 | 3,841 | 4,145 | 4,292 | 5,458 | 5,698 | 5,880 | 5,877 | |
| 1999 | 2,449 | 2,554 | 2,552 | 2,804 | 3,189 | 3,186 | 3,155 | | |
| 2000 | 3,579 | 3,873 | 4,220 | 4,517 | 4,744 | 4,757 | | | |
| 2001 | 5,453 | 6,084 | 7,056 | 8,555 | 9,678 | | | | |
| 2002 | 3,350 | 3,418 | 3,428 | 3,604 | | | | | |
| 2003 | 2,452 | 2,991 | 3,086 | | | | | | |
| 2004 | 2,113 | 2,153 | | | | | | | |
| 2005 | 2,612 | | | | | | | | |
| 2006 | | | | | | | | | |
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| 2016 | | | | | | | | | |
| 2017 | | | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 |
|---------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO 168 | TO 180 | TO 192 | TO 204 | TO 216 | TO 228 | TO 240 | TO 252 | TO 264 |
| 1978 | 1.569 | 1.000 | 1.001 | 1.113 | 0.888 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1979 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1980 | 1.051 | 1.149 | 1.263 | 1.000 | 1.219 | 1.092 | 1.000 | 1.000 | 1.000 |
| 1981 | 1.000 | 1.046 | 0.962 | 1.000 | 0.961 | 1.015 | 1.110 | 1.000 | 1.000 |
| 1982 | 1.009 | 1.089 | 1.005 | 1.348 | 1.000 | 1.000 | 1.120 | 1.000 | 1.017 |
| 1983 | 1.000 | 1.031 | 1.274 | 1.002 | 0.989 | 1.088 | 1.042 | 1.027 | 1.005 |
| 1984 | 1.081 | 1.201 | 1.047 | 1.045 | 0.997 | 1.023 | 1.124 | 1.199 | 0.975 |
| 1985 | 1.315 | 1.000 | 0.980 | 1.011 | 1.025 | 0.982 | 0.990 | 0.982 | 1.004 |
| 1986 | 1.297 | 1.000 | 1.000 | 0.927 | 1.041 | 1.016 | 1.268 | 1.212 | 1.118 |
| 1987 | 1.000 | 1.309 | 0.743 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1988 | 1.000 | 0.916 | 0.929 | 1.159 | 0.996 | 1.039 | 1.293 | 1.002 | 1.243 |
| 1989 | 1.078 | 1.039 | 1.000 | 1.057 | 0.992 | 1.043 | 1.090 | 0.921 | 1.207 |
| 1990 | 1.150 | 1.007 | 1.117 | 1.071 | 0.954 | 1.030 | 1.132 | 1.036 | 1.224 |
| 1991 | 1.000 | 1.000 | 1.544 | 2.013 | 1.389 | 1.037 | 1.000 | 1.028 | 1.072 |
| 1992 | 1.000 | 1.157 | 1.183 | 1.023 | 0.968 | 1.000 | 1.000 | 1.694 | 1.003 |
| 1993 | 1.134 | 1.096 | 1.013 | 1.069 | 1.000 | 1.035 | 1.400 | 1.000 | 1.111 |
| 1994 | 1.506 | 1.000 | 1.049 | 1.001 | 1.007 | 1.000 | 1.023 | 1.009 | 1.086 |
| 1995 | 1.020 | 1.046 | 1.034 | 1.006 | 1.060 | 1.026 | 1.118 | 1.114 | 1.030 |
| 1996 | 1.097 | 1.009 | 1.078 | 1.026 | 1.021 | 1.084 | 1.079 | 1.029 | 1.007 |
| 1997 | 1.040 | 1.066 | 1.045 | 1.043 | 0.947 | 1.079 | 1.007 | 1.000 | |
| 1998 | 1.165 | 1.079 | 1.035 | 1.272 | 1.044 | 1.032 | 0.999 | | |
| 1999 | 1.043 | 0.999 | 1.099 | 1.137 | 0.999 | 0.990 | | | |
| 2000 | 1.082 | 1.090 | 1.070 | 1.050 | 1.003 | | | | |
| 2001 | 1.116 | 1.160 | 1.212 | 1.131 | | | | | |
| 2002 | 1.020 | 1.003 | 1.051 | | | | | | |
| 2003 | 1.220 | 1.032 | | | | | | | |
| 2004 | 1.019 | | | | | | | | |
| 2005 | | | | | | | | | |
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| 2015 | | | | | | | | | |
| 2016 | | | | | | | | | |
| 10-YR AVERAGE | 1.082 | 1.048 | 1.069 | 1.076 | 1.044 | 1.031 | 1.085 | 1.083 | 1.098 |
| 3 YR AVG. | 1.086 | 1.065 | 1.114 | 1.106 | 1.015 | 1.034 | 1.028 | 1.048 | 1.041 |
| 10-YR AVERAGE EXCL HI LO | 1.073 | 1.041 | 1.058 | 1.061 | 1.013 | 1.030 | 1.056 | 1.027 | 1.093 |
| 5 YR AVG X HI LO | 1.073 | 1.042 | 1.073 | 1.106 | 1.008 | 1.046 | 1.036 | 1.013 | 1.041 |
| PRIOR SELECTED (9/30/2017) | 1.070 | 1.070 | 1.070 | 1.070 | 1.045 | 1.045 | 1.045 | 1.045 | 1.045 |
| FACTORS FROM TAIL FACTOR STUDY | | | | | | | | | 1.017 |
| SELECTED | 1.070 | 1.070 | 1.070 | 1.070 | 1.045 | 1.045 | 1.045 | 1.045 | 1.045 |
| CUMULATIVE | 1.706 | 1.594 | 1.490 | 1.392 | 1.301 | 1.245 | 1.192 | 1.140 | 1.091 |

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

INCURRED LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | |
|----------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 264 | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 | |
| 1978 | 358 | 358 | 358 | 358 | 358 | 358 | 358 | 358 | 358 | 358 |
| 1979 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1980 | 396 | 396 | 396 | 493 | 528 | 528 | 550 | 550 | 599 | 599 |
| 1981 | 655 | 666 | 671 | 678 | 738 | 724 | 779 | 924 | 924 | 924 |
| 1982 | 946 | 946 | 1,046 | 1,062 | 1,063 | 1,408 | 1,428 | 1,428 | 1,498 | 1,498 |
| 1983 | 2,415 | 2,429 | 2,405 | 2,649 | 2,707 | 2,994 | 2,816 | 2,866 | 2,866 | 2,866 |
| 1984 | 2,188 | 2,213 | 2,257 | 2,277 | 2,577 | 2,588 | 2,588 | 2,760 | 2,844 | 2,844 |
| 1985 | 1,460 | 1,466 | 1,466 | 1,466 | 1,466 | 1,466 | 1,466 | 1,466 | 1,466 | 1,466 |
| 1986 | 601 | 606 | 742 | 742 | 742 | 742 | 944 | 1,293 | 1,309 | 1,309 |
| 1987 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 |
| 1988 | 2,574 | 2,574 | 2,656 | 2,656 | 2,757 | 2,765 | 2,818 | 2,894 | 2,894 | 2,894 |
| 1989 | 703 | 703 | 753 | 784 | 788 | 963 | 963 | 1,187 | | |
| 1990 | 2,452 | 2,632 | 2,822 | 2,984 | 2,996 | 2,996 | 3,101 | | | |
| 1991 | 1,589 | 1,643 | 1,649 | 1,657 | 1,816 | 1,816 | | | | |
| 1992 | 367 | 374 | 373 | 373 | 373 | | | | | |
| 1993 | 681 | 686 | 686 | 716 | | | | | | |
| 1994 | 3,138 | 3,178 | 3,278 | | | | | | | |
| 1995 | 4,310 | 4,322 | | | | | | | | |
| 1996 | 9,306 | | | | | | | | | |
| 1997 | | | | | | | | | | |
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| 2015 | | | | | | | | | | |
| 2016 | | | | | | | | | | |
| 2017 | | | | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 264 | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 | |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | TO | |
| | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 | 372 | |
| 1978 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1979 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1980 | 1.000 | 1.000 | 1.245 | 1.071 | 1.000 | 1.042 | 1.000 | 1.090 | 0.994 | 0.994 |
| 1981 | 1.017 | 1.008 | 1.010 | 1.088 | 0.981 | 1.076 | 1.186 | 1.000 | 1.000 | 1.000 |
| 1982 | 1.000 | 1.106 | 1.015 | 1.000 | 1.325 | 1.014 | 1.000 | 1.049 | 1.000 | 1.000 |
| 1983 | 1.006 | 0.990 | 1.101 | 1.022 | 1.106 | 0.941 | 1.018 | 1.000 | 0.975 | 0.975 |
| 1984 | 1.011 | 1.020 | 1.009 | 1.132 | 1.004 | 1.000 | 1.066 | 1.030 | 0.986 | 0.986 |
| 1985 | 1.004 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1986 | 1.008 | 1.224 | 1.000 | 1.000 | 1.000 | 1.272 | 1.370 | 1.012 | 1.115 | 1.115 |
| 1987 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1988 | 1.000 | 1.032 | 1.000 | 1.038 | 1.003 | 1.019 | 1.027 | 1.000 | | |
| 1989 | 1.000 | 1.071 | 1.041 | 1.005 | 1.222 | 1.000 | 1.233 | | | |
| 1990 | 1.073 | 1.072 | 1.057 | 1.004 | 1.000 | 1.035 | | | | |
| 1991 | 1.034 | 1.004 | 1.005 | 1.096 | 1.000 | | | | | |
| 1992 | 1.020 | 0.996 | 1.000 | 1.000 | | | | | | |
| 1993 | 1.008 | 1.000 | 1.044 | | | | | | | |
| 1994 | 1.013 | 1.031 | | | | | | | | |
| 1995 | 1.003 | | | | | | | | | |
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| 2014 | | | | | | | | | | |
| 2015 | | | | | | | | | | |
| 2016 | | | | | | | | | | |
| 10-YR AVERAGE | 1.016 | 1.043 | 1.016 | 1.030 | 1.066 | 1.036 | 1.090 | 1.018 | 1.007 | 1.007 |
| 3 YR AVG. | 1.008 | 1.009 | 1.016 | 1.033 | 1.074 | 1.018 | 1.087 | 1.004 | 1.038 | 1.038 |
| 10-YR AVERAGE EXCL HI LO | 1.011 | 1.026 | 1.012 | 1.021 | 1.042 | 1.018 | 1.066 | 1.011 | 0.998 | 0.998 |
| 5 YR AVG X HI/LO | 1.014 | 1.012 | 1.030 | 1.016 | 1.001 | 1.018 | 1.087 | 1.004 | 0.995 | 0.995 |
| PRIOR SELECTED (9/30/2017) | 1.016 | 1.014 | 1.014 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| FACTORS FROM TAIL FACTOR STUDY | 1.016 | 1.014 | 1.014 | 1.013 | 1.012 | 1.012 | 1.011 | 1.011 | 1.010 | 1.010 |
| SELECTED | 1.016 | 1.014 | 1.014 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CUMULATIVE | 1.044 | 1.028 | 1.014 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

INCURRED LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | |
|----------------|--------------------|-------|-------|-------|-------|-------|-------|-----|-----|-----|
| | 372 | 384 | 396 | 408 | 420 | 432 | 444 | 456 | 468 | 480 |
| 1978 | 358 | 358 | 358 | 358 | 358 | 358 | 358 | 358 | 358 | 358 |
| 1979 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1980 | 596 | 596 | 596 | 596 | 596 | 596 | 596 | 596 | 596 | 596 |
| 1981 | 924 | 924 | 1,068 | 1,206 | 1,603 | 1,603 | 1,613 | | | |
| 1982 | 1,498 | 1,545 | 1,566 | 1,630 | 1,630 | 1,625 | | | | |
| 1983 | 2,795 | 2,797 | 2,805 | 2,805 | 2,805 | | | | | |
| 1984 | 2,803 | 2,750 | 2,750 | 2,750 | | | | | | |
| 1985 | 1,466 | 1,466 | 1,466 | | | | | | | |
| 1986 | 1,459 | 1,459 | | | | | | | | |
| 1987 | 94 | | | | | | | | | |
| 1988 | | | | | | | | | | |
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LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 372 | 384 | 396 | 408 | 420 | 432 | 444 | 456 | 468 | 480 |
|---------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO |
| | 384 | 396 | 408 | 420 | 432 | 444 | 456 | 468 | 480 | ULT |
| 1978 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1979 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1980 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| 1981 | 1.000 | 1.156 | 1.130 | 1.329 | 1.000 | 1.006 | | | | |
| 1982 | 1.032 | 1.013 | 1.041 | 1.000 | 0.997 | | | | | |
| 1983 | 1.001 | 1.003 | 1.000 | 1.000 | | | | | | |
| 1984 | 0.981 | 1.000 | 1.000 | | | | | | | |
| 1985 | 1.000 | 1.000 | | | | | | | | |
| 1986 | 1.000 | | | | | | | | | |
| 1987 | | | | | | | | | | |
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| 2015 | | | | | | | | | | |
| 2016 | | | | | | | | | | |
| 10-YR AVERAGE | 1.002 | 1.022 | 1.024 | 1.055 | 0.999 | 1.002 | 1.000 | 1.000 | 1.000 | |
| 3 YR AVG. | 0.994 | 1.001 | 1.014 | 1.110 | 0.999 | 1.002 | 1.000 | | | |
| 10-YR AVERAGE EXCL HI LO | | | | | | | | | | |
| 5 YR AVG X HI LO | 1.000 | 1.005 | 1.014 | 1.000 | 1.000 | | | | | |
| PRIOR SELECTED (9/30/2017) | 1.000 | |
| FACTORS FROM TAIL FACTOR STUDY | 1.010 | 1.009 | 1.009 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| SELECTED | 1.000 | |
| CUMULATIVE | 1.000 |

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

PAID LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | |
|----------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 |
| 1978 | 165 | 179 | 194 | 287 | 358 | 358 | 358 | 358 | 358 |
| 1979 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1980 | 159 | 172 | 186 | 198 | 212 | 226 | 241 | 256 | 271 |
| 1981 | 459 | 464 | 502 | 506 | 508 | 515 | 521 | 575 | 580 |
| 1982 | 412 | 436 | 461 | 481 | 509 | 535 | 559 | 689 | 719 |
| 1983 | 1,358 | 1,398 | 1,445 | 1,562 | 1,686 | 1,782 | 1,918 | 2,004 | 2,097 |
| 1984 | 957 | 988 | 1,095 | 1,194 | 1,280 | 1,418 | 1,467 | 1,584 | 2,032 |
| 1985 | 1,005 | 1,060 | 1,104 | 1,155 | 1,200 | 1,255 | 1,303 | 1,349 | 1,453 |
| 1986 | 150 | 174 | 199 | 216 | 230 | 246 | 267 | 350 | 373 |
| 1987 | 67 | 92 | 94 | 94 | 94 | 94 | 94 | 94 | 94 |
| 1988 | 846 | 956 | 1,187 | 1,244 | 1,307 | 1,415 | 1,563 | 1,690 | 1,765 |
| 1989 | 408 | 422 | 437 | 481 | 515 | 529 | 546 | 563 | 576 |
| 1990 | 869 | 926 | 1,008 | 1,113 | 1,243 | 1,461 | 1,533 | 1,601 | 1,684 |
| 1991 | 290 | 296 | 303 | 316 | 420 | 655 | 688 | 725 | 763 |
| 1992 | 138 | 147 | 159 | 167 | 174 | 183 | 191 | 199 | 205 |
| 1993 | 294 | 304 | 310 | 317 | 323 | 329 | 344 | 428 | 486 |
| 1994 | 1,234 | 1,335 | 1,443 | 1,565 | 1,673 | 1,776 | 1,885 | 2,075 | 2,207 |
| 1995 | 1,952 | 2,054 | 2,158 | 2,331 | 2,462 | 2,594 | 2,751 | 2,878 | 3,101 |
| 1996 | 3,810 | 4,084 | 4,390 | 4,850 | 5,215 | 5,560 | 5,917 | 6,427 | 7,360 |
| 1997 | 3,184 | 3,416 | 3,560 | 3,708 | 3,951 | 4,083 | 4,281 | 4,580 | 4,663 |
| 1998 | 1,858 | 2,686 | 2,882 | 3,174 | 3,521 | 3,900 | 4,231 | 4,454 | |
| 1999 | 1,395 | 1,488 | 1,653 | 1,910 | 2,109 | 2,300 | 2,398 | | |
| 2000 | 2,279 | 2,470 | 2,721 | 2,986 | 3,258 | 3,434 | | | |
| 2001 | 3,096 | 3,577 | 4,175 | 5,226 | 6,505 | | | | |
| 2002 | 2,315 | 2,479 | 2,760 | 2,937 | | | | | |
| 2003 | 1,320 | 1,640 | 1,740 | | | | | | |
| 2004 | 970 | 1,074 | | | | | | | |
| 2005 | 1,710 | | | | | | | | |
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| 2017 | | | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 |
|---------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO 168 | TO 180 | TO 192 | TO 204 | TO 216 | TO 228 | TO 240 | TO 252 | TO 264 |
| 1978 | 1.081 | 1.083 | 1.482 | 1.246 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1979 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1980 | 1.084 | 1.077 | 1.067 | 1.071 | 1.064 | 1.067 | 1.064 | 1.059 | 1.055 |
| 1981 | 1.010 | 1.084 | 1.007 | 1.005 | 1.013 | 1.011 | 1.104 | 1.008 | 1.015 |
| 1982 | 1.059 | 1.058 | 1.044 | 1.056 | 1.052 | 1.046 | 1.231 | 1.044 | 1.039 |
| 1983 | 1.030 | 1.034 | 1.081 | 1.079 | 1.057 | 1.077 | 1.045 | 1.046 | 1.020 |
| 1984 | 1.033 | 1.109 | 1.091 | 1.071 | 1.108 | 1.034 | 1.080 | 1.283 | 1.013 |
| 1985 | 1.054 | 1.042 | 1.046 | 1.039 | 1.046 | 1.039 | 1.035 | 1.078 | 1.004 |
| 1986 | 1.160 | 1.142 | 1.085 | 1.064 | 1.072 | 1.083 | 1.313 | 1.066 | 1.051 |
| 1987 | 1.385 | 1.019 | 1.007 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1988 | 1.130 | 1.242 | 1.048 | 1.050 | 1.083 | 1.105 | 1.082 | 1.044 | 1.032 |
| 1989 | 1.033 | 1.036 | 1.101 | 1.072 | 1.028 | 1.031 | 1.033 | 1.023 | 1.021 |
| 1990 | 1.065 | 1.089 | 1.105 | 1.206 | 1.088 | 1.049 | 1.044 | 1.052 | 1.102 |
| 1991 | 1.022 | 1.024 | 1.041 | 1.963 | 1.057 | 1.050 | 1.054 | 1.052 | 1.151 |
| 1992 | 1.066 | 1.084 | 1.049 | 1.044 | 1.050 | 1.044 | 1.042 | 1.033 | 1.049 |
| 1993 | 1.034 | 1.020 | 1.022 | 1.019 | 1.017 | 1.048 | 1.243 | 1.135 | 1.020 |
| 1994 | 1.082 | 1.081 | 1.085 | 1.069 | 1.062 | 1.061 | 1.101 | 1.063 | 1.069 |
| 1995 | 1.052 | 1.051 | 1.080 | 1.056 | 1.054 | 1.061 | 1.046 | 1.077 | 1.044 |
| 1996 | 1.072 | 1.075 | 1.105 | 1.075 | 1.066 | 1.064 | 1.086 | 1.145 | 1.045 |
| 1997 | 1.073 | 1.042 | 1.042 | 1.065 | 1.033 | 1.049 | 1.070 | 1.018 | |
| 1998 | 1.446 | 1.073 | 1.101 | 1.109 | 1.107 | 1.085 | 1.053 | | |
| 1999 | 1.067 | 1.111 | 1.156 | 1.105 | 1.090 | 1.043 | | | |
| 2000 | 1.084 | 1.101 | 1.098 | 1.091 | 1.054 | | | | |
| 2001 | 1.155 | 1.167 | 1.252 | 1.245 | | | | | |
| 2002 | 1.071 | 1.113 | 1.064 | | | | | | |
| 2003 | 1.242 | 1.061 | | | | | | | |
| 2004 | 1.107 | | | | | | | | |
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| 2016 | | | | | | | | | |
| 10-YR AVERAGE | 1.137 | 1.088 | 1.101 | 1.088 | 1.059 | 1.055 | 1.077 | 1.064 | 1.053 |
| 3 YR AVG. | 1.140 | 1.114 | 1.138 | 1.147 | 1.084 | 1.059 | 1.070 | 1.080 | 1.053 |
| 10-YR AVERAGE EXCL HI LO | 1.109 | 1.083 | 1.091 | 1.077 | 1.058 | 1.053 | 1.062 | 1.060 | 1.048 |
| 5 YR AVG X HI/LO | 1.115 | 1.108 | 1.118 | 1.102 | 1.070 | 1.058 | 1.070 | 1.092 | 1.046 |
| PRIOR SELECTED (9/30/2017) | 1.077 | 1.069 | 1.068 | 1.067 | 1.055 | 1.053 | 1.036 | 1.035 | 1.033 |
| FACTORS FROM TAIL FACTOR STUDY | | | | | | | | | 1.033 |
| SELECTED | 1.077 | 1.069 | 1.068 | 1.067 | 1.055 | 1.053 | 1.036 | 1.035 | 1.033 |
| CUMULATIVE | 1.761 | 1.635 | 1.529 | 1.431 | 1.341 | 1.272 | 1.208 | 1.166 | 1.126 |

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

PAID LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | |
|----------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 264 | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 |
| 1978 | 358 | 358 | 358 | 358 | 358 | 358 | 358 | 358 | 358 |
| 1979 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1980 | 286 | 303 | 342 | 400 | 421 | 455 | 475 | 496 | 595 |
| 1981 | 589 | 599 | 620 | 629 | 651 | 676 | 691 | 740 | 768 |
| 1982 | 748 | 792 | 858 | 953 | 965 | 1,213 | 1,314 | 1,336 | 1,379 |
| 1983 | 2,139 | 2,176 | 2,221 | 2,343 | 2,402 | 2,455 | 2,524 | 2,551 | 2,600 |
| 1984 | 2,058 | 2,078 | 2,113 | 2,131 | 2,314 | 2,335 | 2,361 | 2,410 | 2,509 |
| 1985 | 1,460 | 1,466 | 1,466 | 1,466 | 1,466 | 1,466 | 1,466 | 1,466 | 1,466 |
| 1986 | 392 | 408 | 426 | 446 | 471 | 497 | 597 | 987 | 1,033 |
| 1987 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 |
| 1988 | 1,822 | 1,899 | 1,949 | 2,025 | 2,175 | 2,274 | 2,405 | 2,463 | 2,569 |
| 1989 | 588 | 602 | 611 | 723 | 731 | 791 | 806 | 994 | |
| 1990 | 1,856 | 1,989 | 2,551 | 2,633 | 2,666 | 2,774 | 2,840 | | |
| 1991 | 879 | 953 | 999 | 1,078 | 1,209 | 1,532 | | | |
| 1992 | 216 | 228 | 242 | 254 | 264 | | | | |
| 1993 | 495 | 511 | 533 | 540 | | | | | |
| 1994 | 2,360 | 2,486 | 2,800 | | | | | | |
| 1995 | 3,238 | 3,365 | | | | | | | |
| 1996 | 7,692 | | | | | | | | |
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LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 264 | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | TO |
| | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 | 372 |
| 1978 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1979 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1980 | 1.059 | 1.129 | 1.168 | 1.054 | 1.079 | 1.045 | 1.044 | 1.200 | 1.001 |
| 1981 | 1.018 | 1.035 | 1.014 | 1.036 | 1.038 | 1.023 | 1.070 | 1.038 | 1.019 |
| 1982 | 1.059 | 1.084 | 1.110 | 1.013 | 1.257 | 1.084 | 1.017 | 1.032 | 1.009 |
| 1983 | 1.017 | 1.020 | 1.055 | 1.025 | 1.022 | 1.028 | 1.011 | 1.019 | 1.012 |
| 1984 | 1.009 | 1.017 | 1.008 | 1.086 | 1.009 | 1.011 | 1.021 | 1.041 | 1.050 |
| 1985 | 1.004 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1986 | 1.041 | 1.044 | 1.046 | 1.056 | 1.056 | 1.200 | 1.054 | 1.047 | 1.215 |
| 1987 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1988 | 1.042 | 1.027 | 1.039 | 1.074 | 1.046 | 1.057 | 1.024 | 1.043 | |
| 1989 | 1.023 | 1.015 | 1.183 | 1.012 | 1.081 | 1.020 | 1.233 | | |
| 1990 | 1.072 | 1.283 | 1.032 | 1.013 | 1.041 | 1.024 | | | |
| 1991 | 1.084 | 1.048 | 1.079 | 1.122 | 1.267 | | | | |
| 1992 | 1.059 | 1.058 | 1.050 | 1.039 | | | | | |
| 1993 | 1.032 | 1.042 | 1.015 | | | | | | |
| 1994 | 1.053 | 1.126 | | | | | | | |
| 1995 | 1.039 | | | | | | | | |
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| 2015 | | | | | | | | | |
| 2016 | | | | | | | | | |
| 10-YR AVERAGE | 1.045 | 1.064 | 1.045 | 1.043 | 1.078 | 1.045 | 1.107 | 1.042 | 1.031 |
| 3 YR AVG. | 1.041 | 1.075 | 1.048 | 1.058 | 1.130 | 1.086 | 1.030 | 1.072 | |
| 10-YR AVERAGE EXCL HI LO | 1.045 | 1.045 | 1.034 | 1.038 | 1.064 | 1.031 | 1.053 | 1.028 | 1.011 |
| 5 YR AVG X HI LO | 1.050 | 1.077 | 1.054 | 1.042 | 1.056 | 1.034 | 1.086 | 1.028 | 1.021 |
| PRIOR SELECTED (9/30/2017) | 1.031 | 1.029 | 1.028 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| FACTORS FROM TAIL FACTOR STUDY | 1.031 | 1.029 | 1.028 | 1.027 | 1.025 | 1.025 | 1.024 | 1.023 | 1.022 |
| SELECTED | 1.031 | 1.029 | 1.028 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CUMULATIVE | 1.090 | 1.058 | 1.028 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
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CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

PAID LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | |
|----------------|--------------------|-------|-------|-------|-------|-------|-------|-----|-----|-----|
| | 372 | 384 | 396 | 408 | 420 | 432 | 444 | 456 | 468 | 480 |
| 1978 | 358 | 358 | 358 | 358 | 358 | 358 | 358 | 358 | 358 | 358 |
| 1979 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 358 |
| 1980 | 596 | 596 | 596 | 596 | 596 | 596 | 596 | 596 | 596 | |
| 1981 | 783 | 801 | 946 | 965 | 1,401 | 1,419 | 1,438 | | | |
| 1982 | 1,391 | 1,408 | 1,427 | 1,445 | 1,456 | 1,625 | | | | |
| 1983 | 2,633 | 2,657 | 2,678 | 2,698 | 2,716 | | | | | |
| 1984 | 2,635 | 2,662 | 2,674 | 2,682 | | | | | | |
| 1985 | 1,466 | 1,466 | 1,466 | | | | | | | |
| 1986 | 1,255 | 1,300 | | | | | | | | |
| 1987 | 94 | | | | | | | | | |
| 1988 | | | | | | | | | | |
| 1989 | | | | | | | | | | |
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| 2015 | | | | | | | | | | |
| 2016 | | | | | | | | | | |
| 2017 | | | | | | | | | | |
| TO | 372 | 384 | 396 | 408 | 420 | 432 | 444 | 456 | 468 | 480 |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 372 | 384 | 396 | 408 | 420 | 432 | 444 | 456 | 468 | 480 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | TO |
| 1978 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1979 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1980 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| 1981 | 1.023 | 1.181 | 1.020 | 1.452 | 1.012 | 1.013 | | | | |
| 1982 | 1.012 | 1.014 | 1.013 | 1.007 | 1.116 | | | | | |
| 1983 | 1.009 | 1.008 | 1.007 | 1.007 | | | | | | |
| 1984 | 1.010 | 1.005 | 1.003 | | | | | | | |
| 1985 | 1.000 | 1.000 | | | | | | | | |
| 1986 | 1.036 | | | | | | | | | |
| 1987 | | | | | | | | | | |
| 1988 | | | | | | | | | | |
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| 2013 | | | | | | | | | | |
| 2014 | | | | | | | | | | |
| 2015 | | | | | | | | | | |
| 2016 | | | | | | | | | | |
| 10-YR AVERAGE | 1.010 | 1.026 | 1.006 | 1.078 | 1.026 | 1.003 | 1.000 | | | |
| 3 YR AVG. | 1.015 | 1.004 | 1.008 | 1.155 | 1.043 | 1.004 | 1.000 | | | |
| 10-YR AVERAGE EXCL HI LO | | | | | | | | | | |
| 5 YR AVG X HI LO | 1.010 | 1.009 | 1.008 | 1.005 | 1.004 | | | | | |
| PRIOR SELECTED (9/30/2017) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| FACTORS FROM TAIL FACTOR STUDY | 1.022 | 1.021 | 1.021 | 1.000 | 1.000 | 1.000 | | | | |
| SELECTED | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CUMULATIVE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE REPORTED CLAIM COUNT DEVELOPMENT FACTORS
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018

REPORTED CLAIM COUNT DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | |
|----------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|----|
| | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | |
| 1978 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1979 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1980 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1981 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1982 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1983 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1984 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 1985 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1986 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1987 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1988 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1989 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1990 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1991 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1992 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1993 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1994 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 19 | 19 |
| 1995 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 1996 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |
| 1997 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 1998 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
| 1999 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 2000 | 77 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 |
| 2001 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| 2002 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| 2003 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 |
| 2004 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| 2005 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 2006 | | | | | | | | | | |
| 2007 | | | | | | | | | | |
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| 2015 | | | | | | | | | | |
| 2016 | | | | | | | | | | |
| 2017 | | | | | | | | | | |

CLAIM COUNT DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 |
|-----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | TO 168 | TO 180 | TO 192 | TO 204 | TO 216 | TO 228 | TO 240 | TO 252 | TO 264 |
| 1978 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1979 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1980 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1981 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1982 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1983 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1984 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1985 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1986 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1987 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1988 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1989 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1990 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1991 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1992 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1993 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1994 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1995 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1996 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1997 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1998 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2000 | 1.013 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2002 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2003 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2004 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2005 | | | | | | | | | |
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| 2015 | | | | | | | | | |
| 2016 | | | | | | | | | |
| 10-YR AVERAGE | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.006 | 1.000 | 1.000 |
| 3 YR AVG. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 10-YR AVERAGE EXCL HI LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 5 YR AVG X HI LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PRIOR SELECTED (9/30/2017) | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.005 | 1.000 | 1.000 |
| SELECTED | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.005 | 1.000 | 1.000 |
| CUMULATIVE | 1.007 | 1.005 | 1.005 | 1.005 | 1.005 | 1.005 | 1.005 | 1.000 | 1.000 |

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE REPORTED CLAIM COUNT DEVELOPMENT FACTORS
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018

REPORTED CLAIM COUNT DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | |
|----------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|----|
| | 264 | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 | |
| 1978 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1979 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1980 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1981 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1982 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1983 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 1984 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 1985 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 1986 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1987 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1988 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1989 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1990 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 1991 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1992 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1993 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 1994 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 1995 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 1996 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |
| 1997 | | | | | | | | | | |
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| 2015 | | | | | | | | | | |
| 2016 | | | | | | | | | | |
| 2017 | | | | | | | | | | |

CLAIM COUNT DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 264 | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 | |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO 276 | TO 288 | TO 300 | TO 312 | TO 324 | TO 336 | TO 348 | TO 360 | TO 372 | |
| 1978 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1979 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1980 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1981 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1982 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1983 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1984 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1985 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1986 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1987 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1988 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1989 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1990 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1991 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1992 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1993 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1994 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1995 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1996 | | | | | | | | | | |
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| 2014 | | | | | | | | | | |
| 2015 | | | | | | | | | | |
| 2016 | | | | | | | | | | |
| 10-YR AVERAGE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 3 YR AVG. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 10-YR AVERAGE EXCL HI LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 5 YR AVG X HI LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PRIOR SELECTED (9/30/2017) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| SELECTED | 1.000 |
| CUMULATIVE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE REPORTED CLAIM COUNT DEVELOPMENT FACTORS
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018

REPORTED CLAIM COUNT DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | |
|----------------|--------------------|-----|-----|-----|-----|-----|-----|
| | 372 | 384 | 396 | 408 | 420 | 432 | 444 |
| 1978 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1979 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1980 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1981 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1982 | 6 | 6 | 6 | 6 | 6 | 6 | |
| 1983 | 13 | 13 | 13 | 13 | 13 | | |
| 1984 | 30 | 30 | 30 | 30 | | | |
| 1985 | 11 | 11 | 11 | | | | |
| 1986 | 6 | 6 | | | | | |
| 1987 | 1 | | | | | | |
| 1988 | | | | | | | |
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| 2016 | | | | | | | |
| 2017 | | | | | | | |

CLAIM COUNT DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 372 | 384 | 396 | 408 | 420 | 432 | 444 |
|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|
| | TO |
| | 384 | 396 | 408 | 420 | 432 | 444 | ULT |
| 1978 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1979 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1980 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1981 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1982 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| 1983 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 1984 | 1.000 | 1.000 | 1.000 | | | | |
| 1985 | 1.000 | 1.000 | | | | | |
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| 2014 | | | | | | | |
| 2015 | | | | | | | |
| 2016 | | | | | | | |
| 10-YR AVERAGE | | | | | | | |
| 3 YR AVG. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 10-YR AVERAGE EXCL HI LO | | | | | | | |
| 5 YR AVG X HI LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| PRIOR SELECTED (9/30/2017) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| SELECTED | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CUMULATIVE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE CLAIM FREQUENCY AND ULTIMATE CLAIM SEVERITY
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
LIMITED TO RETENTION

| ACCIDENT YEARS* | CLAIMS REPORTED @ 3/31/2018 | DEVELOPMENT FACTORS | ULTIMATE CLAIM COUNT | ULTIMATE LOSS | PAYROLL (\$000'S) | NUMBER OF CLAIMS PER \$MM OF PAYROLL (FREQUENCY) | AVERAGE CLAIM (SEVERITY) (WHOLE DOLLARS) |
|---------------------|-----------------------------|---------------------|----------------------|---------------|-------------------|--|--|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 2004 | 55 | 1.006 | 55 | 2,850 | 56,264 | 1.0 | \$51,510 |
| 2005 | 40 | 1.007 | 40 | 3,533 | 67,634 | 0.6 | 87,730 |
| 2006 | 30 | 1.008 | 30 | 2,000 | 67,158 | 0.5 | 66,158 |
| 2007 | 30 | 1.010 | 30 | 1,443 | 71,897 | 0.4 | 47,644 |
| 2008 | 26 | 1.014 | 26 | 2,555 | 74,955 | 0.4 | 96,969 |
| 2009 | 36 | 1.017 | 37 | 1,230 | 77,831 | 0.5 | 33,606 |
| 2010 | 45 | 1.017 | 46 | 2,519 | 84,047 | 0.5 | 55,038 |
| 2011 | 21 | 1.017 | 21 | 2,078 | 80,441 | 0.3 | 97,301 |
| 2012 | 27 | 1.017 | 27 | 3,327 | 75,531 | 0.4 | 121,167 |
| 2013 | 23 | 1.017 | 23 | 3,311 | 74,599 | 0.3 | 141,502 |
| 2014 | 21 | 1.018 | 21 | 2,403 | 79,498 | 0.3 | 112,444 |
| 2015 | 38 | 1.018 | 39 | 5,986 | 79,710 | 0.5 | 154,768 |
| 2016 | 27 | 1.032 | 28 | 4,050 | 78,664 | 0.4 | 145,392 |
| 2017 | 21 | 1.046 | 22 | 3,595 | 81,051 | 0.3 | 163,739 |
| 10/1/2017-3/31/2018 | 13 | | 14 | 1,913 | 41,336 | 0.3 | 139,267 |
| TOTAL | 354 | | 358 | 27,252 | | | \$76,025 |

Notes:

(1) & (5) - Per CITY OF JACKSONVILLE.

(2) - Per CITY OF JACKSONVILLE's historical loss patterns.

(3) = (1) x (2). For the most recent year, we used the average of prior years.

(4) = Exhibit II, Page 1, Column (5).

(6) = [(3) / (5)] x 1000.

(7) = [(4) / (3)] x 1000.

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF PROJECTED LOSSES
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEAR* | SELECTED ULTIMATE LOSSES (1) | RETENTION LIMIT (2) | PAYROLL (IN \$000'S) (3) | LOSS RATE (4) |
|--------------------------------------|---------------------------------|------------------------|-----------------------------|------------------|
| 1977 | 0 | 500 | N/A | |
| 1978 | 358 | 500 | N/A | |
| 1979 | 5 | 500 | N/A | |
| 1980 | 505 | 500 | N/A | |
| 1981 | 1,493 | 1000 | N/A | |
| 1982 | 1,625 | 1000 | N/A | |
| 1983 | 2,076 | 250 | N/A | |
| 1984 | 2,236 | 250 | N/A | |
| 1985 | 906 | 250 | N/A | |
| 1986 | 1,020 | 250 | N/A | |
| 1987 | 94 | 1000 | N/A | |
| 1988 | 2,401 | 1000 | N/A | |
| 1989 | 1,142 | 1000 | N/A | |
| 1990 | 2,148 | 1000 | N/A | |
| 1991 | 1,620 | 1000 | N/A | |
| 1992 | 375 | 1000 | N/A | |
| 1993 | 621 | 1000 | N/A | |
| 1994 | 2,793 | 1,000 | N/A | |
| 1995 | 3,898 | 1,000 | N/A | |
| 1996 | 9,060 | 1,000 | N/A | |
| 1997 | 4,764 | 1,000 | N/A | |
| 1998 | 4,539 | 1,000 | N/A | |
| 1999 | 3,379 | 1,000 | N/A | |
| 2000 | 5,399 | 1,000 | N/A | |
| 2001 | 8,188 | 1,000 | 49,323 | 0.166 |
| 2002 | 4,284 | 1,000 | 51,475 | 0.083 |
| 2003 | 3,588 | 1,200 | 54,736 | 0.066 |
| 2004 | 2,850 | 1,200 | 56,264 | 0.051 |
| 2005 | 3,533 | 1,200 | 67,634 | 0.052 |
| 2006 | 2,000 | 1,200 | 67,158 | 0.030 |
| 2007 | 1,443 | 1,200 | 71,897 | 0.020 |
| 2008 | 2,555 | 1,200 | 74,955 | 0.034 |
| 2009 | 1,230 | 1,200 | 77,831 | 0.016 |
| 2010 | 2,519 | 1,200 | 84,047 | 0.030 |
| 2011 | 2,078 | 1,200 | 80,441 | 0.026 |
| 2012 | 3,327 | 1,200 | 75,531 | 0.044 |
| 2013 | 3,311 | 1,200 | 74,599 | 0.044 |
| 2014 | 2,403 | 1,250 | 79,498 | 0.030 |
| 2015 | 5,986 | 1,250 | 79,710 | 0.075 |
| 2016 | 4,050 | 1,250 | 78,664 | 0.051 |
| 2017 | 3,595 | 1,250 | 81,051 | 0.044 |
| 10/1/2017-3/31/2018 | 1,913 | 1,250 | 41,336 | 0.046 |
| (PROJ.) 4/1/2018 to 9/30/2018 | 2,112 | 1,250 | 41,336 | 0.051 |
| (PROJ.) 2018/2019 | 4,469 | 1,250 | 84,326 | 0.053 |
| (PROJ.) 2019/2020 | 4,722 | 1,250 | 86,012 | 0.055 |
| (PROJ.) 2020/2021 | 4,983 | 1,250 | 87,732 | 0.057 |
| (PROJ.) 2021/2022 | 5,252 | 1,250 | 89,487 | 0.059 |
| (PROJ.) 2022/2023 | 5,530 | 1,250 | 91,277 | 0.061 |

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEAR | 55% LEVEL (5) | 70% LEVEL (6) | 75% LEVEL (7) | 80% LEVEL (8) | 85% LEVEL (9) | 90% LEVEL (10) |
|-----------------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| 4/1/2018 to 9/30/2018 | \$2,112 | \$2,524 | \$2,654 | \$2,783 | \$2,946 | \$3,176 |
| 2018/2019 | 4,469 | 5,340 | 5,616 | 5,888 | 6,234 | 6,720 |
| 2019/2020 | 4,722 | 5,641 | 5,933 | 6,221 | 6,586 | 7,100 |
| 2020/2021 | 4,983 | 5,953 | 6,261 | 6,564 | 6,950 | 7,493 |
| 2021/2022 | 5,252 | 6,275 | 6,600 | 6,919 | 7,326 | 7,898 |
| 2022/2023 | 5,530 | 6,608 | 6,950 | 7,286 | 7,714 | 8,316 |

Notes:

(1) - Exhibit II, Page 1, Column (5). For the projection years (1) = (3) x (4).

(2) & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) / (3). For the projected year, it is selected based on prior years.

(5) = Projected losses in Column (1).

(6) to (10) - Based on Monte Carlo Simulation Approach.

**Retention for 1993 and Prior

| Effective Date | Retention |
|----------------|-----------|
| 10/1/1977 | 500 |
| 10/1/1980 | 1,000 |
| 10/1/1982 | 250 |
| 11/1/1986 | 1,000 |
| 10/1/2002 | 1,200 |

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
ANALYSIS OF RESERVE CHANGE
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| | |
|---|------------------|
| 1. Estimated net undiscounted reserves at 9/30/2017 | \$39,643 |
| 2. Loss payments during 10/1/2017 -3/31/2018 for the accident period 9/30/2017 and prior | (\$2,670) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018 | \$5,111 |
| 4. Estimated ultimate losses for the period 10/1/2017-3/31/2018 | \$1,913 |
| 5. Loss payments during 10/1/2017 -3/31/2018 for the accident period 10/1/2017 -3/31/2018 | (\$23) |
| 6. Estimated net undiscounted reserves at 3/31/2018 | \$43,973 |

Notes:

- (1) - Per AMI Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit II, Page 8C, Column (3).
- (3) - Total from Exhibit II, Page 8B, Column (3).
- (4) - See Exhibit II, Page 1, Column (5), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|------------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$21,338 | \$21,418 | 80 |
| 1995 | 3,893 | 3,898 | 5 |
| 1996 | 8,141 | 9,060 | 919 |
| 1997 | 4,851 | 4,764 | (87) |
| 1998 | 4,475 | 4,539 | 63 |
| 1999 | 3,361 | 3,379 | 18 |
| 2000 | 5,205 | 5,399 | 194 |
| 2001 | 8,264 | 8,188 | (76) |
| 2002 | 4,381 | 4,284 | (97) |
| 2003 | 3,656 | 3,588 | (68) |
| 2004 | 2,615 | 2,850 | 235 |
| 2005 | 3,627 | 3,533 | (95) |
| 2006 | 1,528 | 2,000 | 472 |
| 2007 | 883 | 1,443 | 560 |
| 2008 | 2,628 | 2,555 | (73) |
| 2009 | 1,120 | 1,230 | 111 |
| 2010 | 2,346 | 2,519 | 173 |
| 2011 | 1,734 | 2,078 | 344 |
| 2012 | 2,858 | 3,327 | 469 |
| 2013 | 2,653 | 3,311 | 659 |
| 2014 | 1,920 | 2,403 | 483 |
| 2015 | 4,821 | 5,986 | 1,165 |
| 2016 | 3,608 | 4,050 | 442 |
| 2017 | 4,381 | 3,595 | (786) |
| TOTAL | \$104,290 | \$109,401 | 5,111 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit II, Page 1, Column (5).

(3) = (2) - (1).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|-----------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$20,379 | \$20,532 | \$153 |
| 1995 | 3,223 | 3,251 | 28 |
| 1996 | 6,664 | 7,396 | 732 |
| 1997 | 4,337 | 4,344 | 6 |
| 1998 | 3,350 | 3,432 | 83 |
| 1999 | 2,398 | 2,448 | 50 |
| 2000 | 3,434 | 3,655 | 220 |
| 2001 | 4,883 | 5,057 | 174 |
| 2002 | 2,818 | 2,847 | 29 |
| 2003 | 1,740 | 1,788 | 48 |
| 2004 | 1,074 | 1,340 | 266 |
| 2005 | 1,710 | 1,745 | 34 |
| 2006 | 609 | 622 | 13 |
| 2007 | 249 | 281 | 33 |
| 2008 | 1,360 | 1,361 | 1 |
| 2009 | 325 | 361 | 36 |
| 2010 | 865 | 921 | 56 |
| 2011 | 390 | 453 | 63 |
| 2012 | 876 | 987 | 111 |
| 2013 | 750 | 877 | 127 |
| 2014 | 379 | 381 | 2 |
| 2015 | 2,035 | 2,302 | 268 |
| 2016 | 629 | 657 | 28 |
| 2017 | 168 | 278 | 110 |
| TOTAL | \$64,646 | \$67,317 | \$2,670 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit II, Page 1, Column (6).

(3) = (2) - (1).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF SELECTED ULTIMATE LOSSES
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

ALL APPROACHES COMBINED

| ACCIDENT YEAR* | ILDA ULTIMATE LOSSES | PLDA ULTIMATE LOSSES | BFILA ULTIMATE LOSSES | BFPLA ULTIMATE LOSSES | SELECTED ULTIMATE LOSSES | PAID LOSSES @ 3/31/2018 | LOSS RESERVES @ 3/31/2018 |
|----------------|----------------------|----------------------|-----------------------|-----------------------|--------------------------|-------------------------|---------------------------|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 1978 and Prior | 797 | 797 | 797 | 797 | 797 | \$797 | 0 |
| 1979 | 1,461 | 1,399 | 1,461 | 1,461 | 1,446 | 1,399 | 47 |
| 1980 | 934 | 934 | 934 | 934 | 934 | 934 | 0 |
| 1981 | 690 | 690 | 690 | 690 | 690 | 690 | 0 |
| 1982 | 1,309 | 1,310 | 1,309 | 1,310 | 1,310 | 1,309 | 0 |
| 1983 | 619 | 620 | 619 | 620 | 620 | 619 | 1 |
| 1984 | 1,715 | 1,720 | 1,715 | 1,720 | 1,718 | 1,715 | 2 |
| 1985 | 1,031 | 926 | 1,031 | 1,031 | 1,005 | 924 | 81 |
| 1986 | 559 | 561 | 559 | 561 | 560 | 559 | 1 |
| 1987 | 1,649 | 1,660 | 1,649 | 1,660 | 1,655 | 1,649 | 6 |
| 1988 | 1,037 | 1,048 | 1,037 | 1,048 | 1,043 | 1,036 | 6 |
| 1989 | 1,081 | 1,094 | 1,081 | 1,094 | 1,087 | 1,078 | 10 |
| 1990 | 3,758 | 3,810 | 3,758 | 3,810 | 3,784 | 3,739 | 45 |
| 1991 | 2,676 | 2,718 | 2,676 | 2,718 | 2,697 | 2,657 | 40 |
| 1992 | 1,243 | 1,265 | 1,243 | 1,265 | 1,254 | 1,232 | 22 |
| 1993 | 4,161 | 4,122 | 4,161 | 4,123 | 4,142 | 3,997 | 144 |
| 1994 | 1,285 | 1,313 | 1,285 | 1,312 | 1,299 | 1,268 | 31 |
| 1995 | 936 | 958 | 936 | 958 | 947 | 922 | 25 |
| 1996 | 946 | 965 | 946 | 965 | 955 | 925 | 31 |
| 1997 | 741 | 762 | 741 | 761 | 751 | 727 | 25 |
| 1998 | 563 | 525 | 563 | 551 | 550 | 499 | 51 |
| 1999 | 2,239 | 2,225 | 2,239 | 2,226 | 2,232 | 2,107 | 125 |
| 2000 | 3,403 | 3,059 | 3,398 | 3,302 | 3,291 | 2,885 | 406 |
| 2001 | 3,286 | 3,106 | 3,282 | 3,161 | 3,209 | 2,902 | 307 |
| 2002 | 3,265 | 3,214 | 3,264 | 3,216 | 3,240 | 2,944 | 296 |
| 2003 | 4,274 | 3,904 | 4,263 | 4,023 | 4,116 | 3,489 | 627 |
| 2004 | 2,722 | 2,682 | 2,710 | 2,667 | 2,695 | 2,338 | 357 |
| 2005 | 2,596 | 2,661 | 2,626 | 2,704 | 2,647 | 2,263 | 384 |
| 2006 | 4,137 | 3,909 | 4,024 | 3,754 | 3,956 | 3,244 | 712 |
| 2007 | 2,071 | 1,801 | 2,196 | 2,065 | 2,033 | 1,458 | 575 |
| 2008 | 4,342 | 4,488 | 4,209 | 4,239 | 4,319 | 3,535 | 784 |
| 2009 | 3,255 | 3,336 | 3,297 | 3,383 | 3,318 | 2,541 | 777 |
| 2010 | 3,355 | 3,569 | 3,407 | 3,592 | 3,481 | 2,612 | 869 |
| 2011 | 3,724 | 4,294 | 3,726 | 4,127 | 3,968 | 3,007 | 960 |
| 2012 | 3,209 | 3,719 | 3,256 | 3,631 | 3,454 | 2,484 | 970 |
| 2013 | 3,610 | 3,699 | 3,557 | 3,576 | 3,611 | 2,353 | 1,257 |
| 2014 | 2,649 | 2,988 | 2,817 | 3,137 | 2,898 | 1,795 | 1,102 |
| 2015 | 2,885 | 3,551 | 2,994 | 3,453 | 3,221 | 1,996 | 1,225 |
| 2016 | 3,970 | 4,538 | 3,795 | 3,916 | 3,856 | 2,333 | 1,522 |
| 2017 | 6,227 | 7,926 | 5,445 | 4,897 | 5,171 | 2,804 | 2,366 |
| 2018 | 1,950 | 2,290 | 3,032 | 2,483 | 2,439 | 720 | 1,719 |
| TOTAL | \$96,360 | \$100,155 | \$96,729 | \$96,938 | \$96,393 | \$78,486 | \$17,907 |

Notes:

- (1), (2), (3) & (4) - Ultimate incurred losses calculated from Exhibit III, Pages 2 and 3.
- (5) = Selected based on (1), (2), (3) & (4).
- (6) - Per CITY OF JACKSONVILLE.
- (7) = (5) - (6).
- *Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE LOSSES - LOSS DEVELOPMENT APPROACH
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

INCURRED LOSS DEVELOPMENT APPROACH

| ACCIDENT YEAR* | INCURRED LOSSES @3/31/2018 (1) | LARGE LOSSES EXCLUDED FROM DEVELOPMENT (1A) | LOSS DEVELOPMENT FACTORS (2) | ULTIMATE INCURRED LOSSES (3) | PAYROLL (IN \$000'S) (4) | ESTIMATED LOSS RATE (5) |
|----------------|-----------------------------------|--|---------------------------------|---------------------------------|-----------------------------|----------------------------|
| 1978 and Prior | \$797 | | 1.000 | 797 | N/A | |
| 1979 | 1,461 | | 1.000 | 1,461 | N/A | |
| 1980 | 934 | | 1.000 | 934 | N/A | |
| 1981 | 690 | | 1.000 | 690 | N/A | |
| 1982 | 1,309 | | 1.000 | 1,309 | N/A | |
| 1983 | 619 | | 1.000 | 619 | N/A | |
| 1984 | 1,715 | | 1.000 | 1,715 | N/A | |
| 1985 | 1,031 | | 1.000 | 1,031 | N/A | |
| 1986 | 559 | | 1.000 | 559 | N/A | |
| 1987 | 1,649 | | 1.000 | 1,649 | N/A | |
| 1988 | 1,036 | | 1.001 | 1,037 | N/A | |
| 1989 | 1,078 | | 1.003 | 1,081 | N/A | |
| 1990 | 3,739 | | 1.005 | 3,758 | N/A | |
| 1991 | 2,657 | | 1.007 | 2,676 | N/A | |
| 1992 | 1,232 | | 1.009 | 1,243 | N/A | |
| 1993 | 4,114 | | 1.011 | 4,161 | N/A | |
| 1994 | 1,268 | | 1.013 | 1,285 | N/A | |
| 1995 | 922 | | 1.015 | 936 | N/A | |
| 1996 | 930 | | 1.017 | 946 | N/A | |
| 1997 | 727 | | 1.020 | 741 | N/A | |
| 1998 | 551 | | 1.023 | 563 | N/A | |
| 1999 | 2,183 | | 1.026 | 2,239 | N/A | |
| 2000 | 3,302 | | 1.031 | 3,403 | N/A | |
| 2001 | 3,161 | | 1.039 | 3,286 | N/A | |
| 2002 | 3,111 | | 1.050 | 3,265 | N/A | |
| 2003 | 4,023 | | 1.062 | 4,274 | N/A | |
| 2004 | 2,526 | | 1.077 | 2,722 | 116,865 | 0.023 |
| 2005 | 2,375 | | 1.093 | 2,596 | 134,969 | 0.019 |
| 2006 | 3,729 | | 1.099 | 4,137 | 137,826 | 0.030 |
| 2007 | 1,839 | | 1.126 | 2,071 | 147,222 | 0.014 |
| 2008 | 3,780 | | 1.149 | 4,342 | 153,840 | 0.028 |
| 2009 | 2,765 | | 1.177 | 3,255 | 164,709 | 0.020 |
| 2010 | 2,780 | | 1.207 | 3,355 | 171,283 | 0.020 |
| 2011 | 3,048 | | 1.222 | 3,724 | 175,841 | 0.021 |
| 2012 | 2,593 | | 1.238 | 3,209 | 163,299 | 0.020 |
| 2013 | 2,840 | | 1.271 | 3,610 | 159,681 | 0.023 |
| 2014 | 2,027 | | 1.307 | 2,649 | 160,139 | 0.017 |
| 2015 | 2,176 | | 1.326 | 2,885 | 158,286 | 0.018 |
| 2016 | 2,994 | | 1.326 | 3,970 | 155,726 | 0.025 |
| 2017 | 4,598 | | 1.354 | 6,227 | 155,525 | 0.040 |
| 2018 | 2,483 | | | 1,950 | 79,318 | 0.025 |
| TOTAL | \$87,351 | | | \$96,360 | | |

PAID LOSS DEVELOPMENT APPROACH

| ACCIDENT YEAR* | PAID LOSSES @3/31/2018 (6) | LARGE LOSSES EXCLUDED FROM DEVELOPMENT (6A) | LOSS DEVELOPMENT FACTORS (7) | ULTIMATE INCURRED LOSSES (8) | PAYROLL (IN \$000'S) (9) | ESTIMATED LOSS RATE (10) |
|----------------|-------------------------------|--|---------------------------------|---------------------------------|-----------------------------|-----------------------------|
| 1978 and Prior | \$797 | | 1.000 | 797 | N/A | |
| 1979 | 1,399 | | 1.000 | 1,399 | N/A | |
| 1980 | 934 | | 1.000 | 934 | N/A | |
| 1981 | 690 | | 1.000 | 690 | N/A | |
| 1982 | 1,309 | | 1.001 | 1,310 | N/A | |
| 1983 | 619 | | 1.002 | 620 | N/A | |
| 1984 | 1,715 | | 1.003 | 1,720 | N/A | |
| 1985 | 924 | | 1.003 | 926 | N/A | |
| 1986 | 559 | | 1.004 | 561 | N/A | |
| 1987 | 1,649 | | 1.007 | 1,660 | N/A | |
| 1988 | 1,036 | | 1.011 | 1,048 | N/A | |
| 1989 | 1,078 | | 1.015 | 1,094 | N/A | |
| 1990 | 3,739 | | 1.019 | 3,810 | N/A | |
| 1991 | 2,657 | | 1.023 | 2,718 | N/A | |
| 1992 | 1,232 | | 1.027 | 1,265 | N/A | |
| 1993 | 3,997 | | 1.031 | 4,122 | N/A | |
| 1994 | 1,268 | | 1.035 | 1,313 | N/A | |
| 1995 | 922 | | 1.040 | 958 | N/A | |
| 1996 | 925 | | 1.044 | 965 | N/A | |
| 1997 | 727 | | 1.048 | 762 | N/A | |
| 1998 | 499 | | 1.052 | 525 | N/A | |
| 1999 | 2,107 | | 1.056 | 2,225 | N/A | |
| 2000 | 2,885 | | 1.060 | 3,059 | N/A | |
| 2001 | 2,902 | | 1.070 | 3,106 | N/A | |
| 2002 | 2,944 | | 1.092 | 3,214 | N/A | |
| 2003 | 3,489 | | 1.119 | 3,904 | N/A | |
| 2004 | 2,338 | | 1.147 | 2,682 | 116,865 | 0.023 |
| 2005 | 2,263 | | 1.176 | 2,661 | 134,969 | 0.020 |
| 2006 | 3,244 | | 1.205 | 3,909 | 137,826 | 0.028 |
| 2007 | 1,458 | | 1.235 | 1,801 | 147,222 | 0.012 |
| 2008 | 3,535 | | 1.269 | 4,488 | 153,840 | 0.029 |
| 2009 | 2,541 | | 1.313 | 3,336 | 164,709 | 0.020 |
| 2010 | 2,612 | | 1.366 | 3,569 | 171,283 | 0.021 |
| 2011 | 3,007 | | 1.428 | 4,294 | 175,841 | 0.024 |
| 2012 | 2,484 | | 1.497 | 3,719 | 163,299 | 0.023 |
| 2013 | 2,553 | | 1.572 | 3,699 | 159,681 | 0.023 |
| 2014 | 1,795 | | 1.664 | 2,988 | 160,139 | 0.019 |
| 2015 | 1,996 | | 1.779 | 3,551 | 158,286 | 0.022 |
| 2016 | 2,333 | | 1.945 | 4,538 | 155,726 | 0.029 |
| 2017 | 2,804 | | 2.826 | 7,926 | 155,525 | 0.051 |
| 2018 | 720 | | | 2,290 | 79,318 | 0.029 |
| TOTAL | \$78,486 | | | \$100,155 | | |

Notes:

- (1), (4), (6) & (9) - Per CITY OF JACKSONVILLE.
- (2) & (7) - Per City's historical loss patterns.
- (3) = (1) x (2); (8) = (6) x (7). If ultimate incurred losses in (8) are less than the incurred losses in (1), we used the losses in (1). For the most recent year, we used the Loss Rate Approach.
- (5) = (3) / (4); (10) = (8) / (9). For the most recent year, it is the average of prior years.
- *Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.
- *Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE LOSSES - BORNHUETTER-FERGUSON APPROACH
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

BORNHUETTER-FERGUSON INCURRED LOSS APPROACH

| ACCIDENT YEAR* | ESTIMATED LOSS RATE (1) | PAYROLL (\$'000s) (2) | EXPECTED ULTIMATE LOSSES (3) | EXPECTED % OF LOSSES UNREPORTED (4) | IBNR RESERVES (5) | INCURRED LOSSES @3/31/2018 (6) | ULTIMATE INCURRED LOSSES (7) |
|----------------|-------------------------|-----------------------|------------------------------|-------------------------------------|-------------------|--------------------------------|------------------------------|
| 1978 and Prior | | N/A | 797 | 0.0% | 0 | \$797 | 797 |
| 1979 | | N/A | 1,430 | 0.0% | 0 | 1,461 | 1,461 |
| 1980 | | N/A | 934 | 0.0% | 0 | 934 | 934 |
| 1981 | | N/A | 690 | 0.0% | 0 | 690 | 690 |
| 1982 | | N/A | 1,310 | 0.0% | 0 | 1,309 | 1,309 |
| 1983 | | N/A | 620 | 0.0% | 0 | 619 | 619 |
| 1984 | | N/A | 1,718 | 0.0% | 0 | 1,715 | 1,715 |
| 1985 | | N/A | 978 | 0.0% | 0 | 1,031 | 1,031 |
| 1986 | | N/A | 560 | 0.0% | 0 | 559 | 559 |
| 1987 | | N/A | 1,655 | 0.0% | 0 | 1,649 | 1,649 |
| 1988 | | N/A | 1,043 | 0.1% | 1 | 1,036 | 1,037 |
| 1989 | | N/A | 1,087 | 0.3% | 3 | 1,078 | 1,081 |
| 1990 | | N/A | 3,784 | 0.5% | 19 | 3,739 | 3,758 |
| 1991 | | N/A | 2,697 | 0.7% | 19 | 2,657 | 2,676 |
| 1992 | | N/A | 1,254 | 0.9% | 11 | 1,232 | 1,243 |
| 1993 | | N/A | 4,142 | 1.1% | 46 | 4,114 | 4,161 |
| 1994 | | N/A | 1,299 | 1.3% | 17 | 1,268 | 1,285 |
| 1995 | | N/A | 947 | 1.5% | 14 | 922 | 936 |
| 1996 | | N/A | 955 | 1.7% | 16 | 930 | 946 |
| 1997 | | N/A | 751 | 1.9% | 15 | 727 | 741 |
| 1998 | | N/A | 544 | 2.2% | 12 | 551 | 563 |
| 1999 | | N/A | 2,232 | 2.5% | 56 | 2,183 | 2,239 |
| 2000 | | N/A | 3,231 | 3.0% | 96 | 3,202 | 3,398 |
| 2001 | | N/A | 3,196 | 3.8% | 121 | 3,161 | 3,282 |
| 2002 | | N/A | 3,240 | 4.7% | 153 | 3,111 | 3,264 |
| 2003 | | N/A | 4,089 | 5.9% | 240 | 4,023 | 4,263 |
| 2004 | 0.022 | 116,865 | 2,564 | 7.2% | 184 | 2,526 | 2,710 |
| 2005 | 0.022 | 134,969 | 2,948 | 8.5% | 251 | 2,375 | 2,626 |
| 2006 | 0.022 | 137,826 | 2,997 | 9.9% | 295 | 3,729 | 4,024 |
| 2007 | 0.022 | 147,222 | 3,187 | 11.2% | 357 | 1,839 | 2,196 |
| 2008 | 0.022 | 153,840 | 3,315 | 12.9% | 429 | 3,780 | 4,209 |
| 2009 | 0.021 | 164,709 | 3,533 | 15.1% | 532 | 2,765 | 3,297 |
| 2010 | 0.021 | 171,283 | 3,657 | 17.1% | 626 | 2,780 | 3,407 |
| 2011 | 0.021 | 175,841 | 3,737 | 18.1% | 678 | 3,048 | 3,726 |
| 2012 | 0.021 | 163,299 | 3,454 | 19.2% | 664 | 2,567 | 3,256 |
| 2013 | 0.021 | 159,681 | 3,361 | 21.3% | 717 | 2,840 | 3,557 |
| 2014 | 0.021 | 160,139 | 3,362 | 23.5% | 790 | 2,027 | 2,817 |
| 2015 | 0.021 | 158,286 | 3,327 | 24.6% | 818 | 2,176 | 2,994 |
| 2016 | 0.021 | 155,726 | 3,258 | 24.6% | 801 | 2,994 | 3,795 |
| 2017 | 0.021 | 155,525 | 3,238 | 26.2% | 847 | 4,598 | 5,445 |
| 2018 | 0.021 | 79,318 | 1,643 | 33.4% | 549 | 2,483 | 3,032 |
| TOTAL | | | | | \$9,378 | \$87,351 | \$96,729 |

BORNHUETTER-FERGUSON PAID LOSS APPROACH

| ACCIDENT YEAR* | ESTIMATED LOSS RATE (8) | PAYROLL (\$'000s) (9) | EXPECTED ULTIMATE LOSSES (10) | EXPECTED % OF LOSSES UNPAID (11) | LOSS RESERVES (12) | PAID LOSSES @3/31/2018 (13) | ULTIMATE INCURRED LOSSES (14) |
|----------------|-------------------------|-----------------------|-------------------------------|----------------------------------|--------------------|-----------------------------|-------------------------------|
| 1978 and Prior | | N/A | 797 | 0.0% | 0 | \$797 | 797 |
| 1979 | | N/A | 1,430 | 0.0% | 0 | 1,399 | 1,461 |
| 1980 | | N/A | 934 | 0.0% | 0 | 934 | 934 |
| 1981 | | N/A | 690 | 0.0% | 0 | 690 | 690 |
| 1982 | | N/A | 1,310 | 0.1% | 1 | 1,309 | 1,310 |
| 1983 | | N/A | 620 | 0.2% | 1 | 619 | 620 |
| 1984 | | N/A | 1,718 | 0.2% | 4 | 1,715 | 1,720 |
| 1985 | | N/A | 978 | 0.2% | 2 | 924 | 1,031 |
| 1986 | | N/A | 560 | 0.4% | 2 | 559 | 561 |
| 1987 | | N/A | 1,655 | 0.3% | 12 | 1,649 | 1,660 |
| 1988 | | N/A | 1,043 | 1.1% | 11 | 1,036 | 1,048 |
| 1989 | | N/A | 1,087 | 1.5% | 16 | 1,078 | 1,094 |
| 1990 | | N/A | 3,784 | 1.9% | 70 | 3,739 | 3,810 |
| 1991 | | N/A | 2,697 | 2.3% | 61 | 2,657 | 2,718 |
| 1992 | | N/A | 1,254 | 2.6% | 33 | 1,232 | 1,265 |
| 1993 | | N/A | 4,142 | 3.0% | 126 | 3,997 | 4,123 |
| 1994 | | N/A | 1,299 | 3.4% | 44 | 1,268 | 1,312 |
| 1995 | | N/A | 947 | 3.8% | 36 | 922 | 958 |
| 1996 | | N/A | 955 | 4.2% | 40 | 925 | 965 |
| 1997 | | N/A | 751 | 4.6% | 34 | 727 | 761 |
| 1998 | | N/A | 544 | 4.9% | 27 | 499 | 551 |
| 1999 | | N/A | 2,232 | 5.3% | 119 | 2,107 | 2,226 |
| 2000 | | N/A | 3,231 | 5.7% | 184 | 2,885 | 3,302 |
| 2001 | | N/A | 3,196 | 6.6% | 210 | 2,902 | 3,161 |
| 2002 | | N/A | 3,240 | 8.4% | 272 | 2,944 | 3,216 |
| 2003 | | N/A | 4,089 | 10.6% | 435 | 3,489 | 4,023 |
| 2004 | 0.022 | 116,865 | 2,564 | 12.8% | 329 | 2,338 | 2,667 |
| 2005 | 0.022 | 134,969 | 2,948 | 14.9% | 440 | 2,263 | 2,704 |
| 2006 | 0.022 | 137,826 | 2,997 | 17.0% | 510 | 3,244 | 3,754 |
| 2007 | 0.022 | 147,222 | 3,187 | 19.0% | 607 | 1,458 | 2,065 |
| 2008 | 0.022 | 153,840 | 3,315 | 21.2% | 704 | 3,535 | 4,239 |
| 2009 | 0.021 | 164,709 | 3,533 | 23.8% | 842 | 2,541 | 3,383 |
| 2010 | 0.021 | 171,283 | 3,657 | 26.8% | 980 | 2,612 | 3,592 |
| 2011 | 0.021 | 175,841 | 3,737 | 30.0% | 1,119 | 3,007 | 4,127 |
| 2012 | 0.021 | 163,299 | 3,454 | 33.2% | 1,147 | 2,484 | 3,631 |
| 2013 | 0.021 | 159,681 | 3,361 | 36.4% | 1,223 | 2,353 | 3,576 |
| 2014 | 0.021 | 160,139 | 3,362 | 39.9% | 1,341 | 1,795 | 3,137 |
| 2015 | 0.021 | 158,286 | 3,327 | 43.8% | 1,457 | 1,996 | 3,453 |
| 2016 | 0.021 | 155,726 | 3,258 | 48.6% | 1,583 | 2,333 | 3,916 |
| 2017 | 0.021 | 155,525 | 3,238 | 64.6% | 2,092 | 2,804 | 4,897 |
| 2018 | 0.021 | 79,318 | 1,643 | 92.2% | 1,515 | 720 | 2,483 |
| TOTAL | | | | | \$17,631 | \$78,486 | \$96,938 |

Notes:

- (2), (6), (9) & (13) - Per CITY OF JACKSONVILLE.
 (1) & (8) - Exhibit III, Page 2, Columns (5) and (10). These Loss Rates are the selected based on Exhibit III Page 2 loss rates.
 (3) = (1) x (2); (10) = (8) x (9).
 (4) = (1 - (1/PLDF)); (11) = (1 - (1/PLDF)).
 (5) = (3) x (4); (12) = (10) x (11).
 (7) = (5) + (6); (14) = (12) + (13). If ultimate incurred losses in (14) are less than the incurred losses in (6), we used the incurred losses in (6).
 *Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
SELECTION OF INITIAL LOSS RATE FOR BORNHUTTER-FERGUSON APPROACHES
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT PERIODS | ULTIMATE LOSSES PER ILDA | ULTIMATE LOSSES PER PLDA | RETENTION | ADJUSTMENT TO CURRENT RETENTION | PAYROLL (IN \$000'S) | LOSS RATE AT CURRENT RETENTION | FITTED LOSS RATE | SELECTED INITIAL LOSS RATE | SELECTED INITIAL LOSS RATE ACTUAL RETENTION |
|---------------------|--------------------------|--------------------------|-----------|---------------------------------|----------------------|--------------------------------|------------------|----------------------------|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | |
| 2000 | \$3,403 | \$3,059 | \$1,000 | 1.016 | N/A | | | | |
| 2001 | 3,286 | 3,106 | 1,000 | 1.016 | N/A | | | | |
| 2002 | 3,265 | 3,214 | 1,000 | 1.016 | N/A | | | | |
| 2003 | 4,274 | 3,904 | 1,200 | 1.008 | N/A | | | | |
| 2004 | 2,722 | 2,682 | 1,200 | 1.008 | 116,865 | 2.33% | 2.21% | 2.19% | |
| 2005 | 2,596 | 2,661 | 1,200 | 1.008 | 134,969 | 1.96% | 2.20% | 2.18% | |
| 2006 | 4,137 | 3,909 | 1,200 | 1.008 | 137,826 | 2.94% | 2.19% | 2.17% | |
| 2007 | 2,071 | 1,801 | 1,200 | 1.008 | 147,222 | 1.33% | 2.18% | 2.16% | |
| 2008 | 4,342 | 4,488 | 1,200 | 1.008 | 153,840 | 2.89% | 2.17% | 2.15% | |
| 2009 | 3,255 | 3,336 | 1,200 | 1.008 | 164,709 | 2.02% | 2.16% | 2.14% | |
| 2010 | 3,355 | 3,569 | 1,200 | 1.008 | 171,283 | 2.04% | 2.15% | 2.13% | |
| 2011 | 3,724 | 4,294 | 1,200 | 1.008 | 175,841 | 2.30% | 2.14% | 2.12% | |
| 2012 | 3,209 | 3,719 | 1,200 | 1.008 | 163,299 | 2.14% | 2.13% | 2.12% | |
| 2013 | 3,610 | 3,699 | 1,200 | 1.008 | 159,681 | 2.31% | 2.12% | 2.11% | |
| 2014 | 2,649 | 2,988 | 1,250 | 1.006 | 160,139 | 1.77% | 2.11% | 2.10% | |
| 2015 | 2,885 | 3,551 | 1,500 | 1.000 | 158,286 | 2.03% | 2.10% | 2.10% | |
| 2016 | 3,970 | 4,538 | 1,500 | 1.000 | 155,726 | 2.73% | 2.09% | 2.09% | |
| 2017 | 6,227 | 7,926 | 1,500 | 1.000 | 155,525 | 4.55% | 2.08% | 2.08% | |
| 10/1/2017-3/31/2018 | 1,950 | 2,290 | 1,500 | 1.000 | 79,318 | 2.67% | 2.07% | 2.07% | |
| 4/1/2018-9/30/2018 | | | 1,500 | 1.000 | 79,318 | | 2.07% | 2.07% | |
| 2019 | | | | 1.000 | 161,808 | | 2.06% | 2.06% | |

| | |
|------------------|-----------------|
| Average | 2.38% |
| Weighted Average | 2.38% |
| Selected | based on fitted |

Notes:

- (1) - Per Exhibit III, Page 2, Column (3).
- (1) - Per Exhibit III, Page 2, Column (8).
- (3) & (5) - Per CITY OF JACKSONVILLE.
- (4) & (7) - Per AMI calculation.
- (6) = [Average of (1) & (2)] x [(4)/(5)].
- (8) = (7)/(4).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

INCURRED LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | |
|----------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 |
| 1978 | 475 | 567 | 599 | 596 | 591 | 591 | 724 | 737 | 800 |
| 1979 | 944 | 943 | 943 | 943 | 943 | 943 | 1,160 | 1,305 | 1,305 |
| 1980 | 823 | 823 | 823 | 821 | 906 | 894 | 894 | 894 | 894 |
| 1981 | 554 | 564 | 578 | 688 | 735 | 708 | 708 | 708 | 708 |
| 1982 | 987 | 1,113 | 1,192 | 1,185 | 1,206 | 1,206 | 1,307 | 1,298 | 1,311 |
| 1983 | 513 | 539 | 549 | 558 | 608 | 608 | 608 | 608 | 617 |
| 1984 | 1,149 | 977 | 1,279 | 1,252 | 1,252 | 1,237 | 1,262 | 1,568 | 1,666 |
| 1985 | 1,485 | 1,771 | 1,772 | 1,834 | 1,826 | 1,834 | 1,999 | 2,241 | 2,287 |
| 1986 | 672 | 962 | 962 | 958 | 958 | 958 | 958 | 963 | 963 |
| 1987 | 734 | 744 | 744 | 794 | 968 | 1,018 | 1,065 | 1,068 | 1,081 |
| 1988 | 938 | 939 | 956 | 954 | 956 | 962 | 1,059 | 1,043 | 1,043 |
| 1989 | 1,038 | 1,032 | 1,046 | 1,046 | 1,039 | 1,034 | 1,084 | 1,078 | 1,078 |
| 1990 | 3,856 | 3,857 | 3,912 | 3,963 | 3,977 | 4,070 | 4,070 | 4,148 | 4,160 |
| 1991 | 1,833 | 1,948 | 1,998 | 2,105 | 2,430 | 2,452 | 3,195 | 3,218 | 3,218 |
| 1992 | 1,239 | 1,239 | 1,239 | 1,239 | 1,239 | 1,239 | 1,232 | 1,232 | 1,232 |
| 1993 | 4,147 | 4,158 | 4,158 | 4,208 | 4,453 | 4,453 | 4,453 | 4,453 | 4,463 |
| 1994 | 1,332 | 1,280 | 1,280 | 1,280 | 1,268 | 1,268 | 1,268 | 1,268 | 1,268 |
| 1995 | 922 | 922 | 922 | 922 | 922 | 922 | 922 | 922 | 922 |
| 1996 | 930 | 930 | 930 | 930 | 930 | 930 | 930 | 930 | 930 |
| 1997 | 727 | 727 | 727 | 727 | 727 | 727 | 727 | 727 | 727 |
| 1998 | 513 | 513 | 513 | 513 | 546 | 551 | 551 | 551 | 551 |
| 1999 | 1,891 | 2,141 | 2,141 | 2,269 | 2,187 | 2,183 | 2,183 | 2,183 | 2,183 |
| 2000 | 2,816 | 2,986 | 3,052 | 3,328 | 3,337 | 3,602 | | | |
| 2001 | 3,132 | 3,167 | 3,156 | 3,496 | 3,156 | | | | |
| 2002 | 3,453 | 3,576 | | | | | | | |
| 2003 | 3,990 | 4,054 | 4,076 | | | | | | |
| 2004 | 2,526 | 2,526 | | | | | | | |
| 2005 | 2,360 | | | | | | | | |
| 2006 | | | | | | | | | |
| 2007 | | | | | | | | | |
| 2008 | | | | | | | | | |
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| 2015 | | | | | | | | | |
| 2016 | | | | | | | | | |
| 2017 | | | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 |
|---------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO 168 | TO 180 | TO 192 | TO 204 | TO 216 | TO 228 | TO 240 | TO 252 | TO 264 |
| 1978 | 1.195 | 1.055 | 0.995 | 0.991 | 1.000 | 1.225 | 1.018 | 1.086 | 1.000 |
| 1979 | 0.999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.230 | 1.125 | 1.000 | 1.000 |
| 1980 | 1.000 | 1.000 | 0.997 | 1.104 | 0.987 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1981 | 1.018 | 1.025 | 1.191 | 1.067 | 0.963 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1982 | 1.128 | 1.071 | 0.994 | 1.018 | 1.000 | 1.084 | 0.992 | 1.010 | 1.001 |
| 1983 | 1.052 | 1.017 | 1.017 | 1.090 | 1.000 | 1.000 | 1.000 | 1.013 | 1.000 |
| 1984 | 0.850 | 1.309 | 0.978 | 1.000 | 0.988 | 1.020 | 1.243 | 1.062 | 1.000 |
| 1985 | 1.193 | 1.001 | 1.035 | 0.996 | 1.005 | 1.090 | 1.121 | 1.020 | 1.133 |
| 1986 | 1.432 | 1.000 | 0.996 | 1.001 | 1.000 | 1.005 | 1.000 | 1.000 | 1.324 |
| 1987 | 1.014 | 1.000 | 1.067 | 1.219 | 1.052 | 1.047 | 1.002 | 1.012 | 1.026 |
| 1988 | 1.001 | 1.018 | 0.998 | 1.002 | 1.007 | 1.100 | 0.985 | 1.001 | 1.000 |
| 1989 | 0.994 | 1.014 | 1.000 | 0.993 | 0.995 | 1.048 | 0.994 | 1.000 | 1.000 |
| 1990 | 1.000 | 1.014 | 1.013 | 1.004 | 1.023 | 1.000 | 1.019 | 1.003 | 1.052 |
| 1991 | 1.063 | 1.026 | 1.054 | 1.154 | 1.009 | 1.303 | 1.007 | 1.000 | 1.000 |
| 1992 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.994 | 1.000 | 1.000 | 1.000 |
| 1993 | 1.003 | 1.000 | 1.012 | 1.058 | 1.000 | 1.000 | 1.000 | 1.002 | 1.000 |
| 1994 | 0.961 | 1.000 | 1.000 | 0.991 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1995 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1996 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1997 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1998 | 1.000 | 1.000 | 0.999 | 1.064 | 1.009 | 1.000 | 1.000 | | |
| 1999 | 1.132 | 1.000 | 1.060 | 0.964 | 0.998 | 1.000 | | | |
| 2000 | 1.060 | 1.022 | 1.090 | 1.002 | 1.080 | | | | |
| 2001 | 1.011 | 0.996 | 1.000 | 1.000 | | | | | |
| 2002 | 1.036 | 0.999 | 0.978 | | | | | | |
| 2003 | 1.016 | 1.005 | | | | | | | |
| 2004 | 1.000 | | | | | | | | |
| 2005 | | | | | | | | | |
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| 2014 | | | | | | | | | |
| 2015 | | | | | | | | | |
| 2016 | | | | | | | | | |
| 10-YR AVERAGE | 1.026 | 1.002 | 1.014 | 1.008 | 1.010 | 1.030 | 1.002 | 1.001 | 1.008 |
| 3-YR AVG. | 1.017 | 1.000 | 1.023 | 0.989 | 1.029 | 1.000 | 1.000 | 1.000 | 1.000 |
| 10-YR AVERAGE EXCL HI LO | 1.015 | 1.001 | 1.009 | 1.006 | 1.002 | 1.000 | 1.001 | 1.000 | 1.003 |
| 5-YR AVG X HI/LO | 1.021 | 1.001 | 1.020 | 1.001 | 1.003 | 1.000 | 1.000 | 1.000 | 1.000 |
| PRIOR SELECTED (9/30/2017) | 1.015 | 1.014 | 1.014 | 1.010 | 1.010 | 1.007 | 1.003 | 1.003 | 1.003 |
| FACTORS FROM TAIL FACTOR STUDY | | | | | | | | | 1.014 |
| SELECTED | 1.015 | 1.014 | 1.014 | 1.010 | 1.010 | 1.007 | 1.003 | 1.003 | 1.003 |
| CUMULATIVE | 1.101 | 1.085 | 1.070 | 1.055 | 1.044 | 1.034 | 1.027 | 1.024 | 1.021 |

*Accident years 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

INCURRED LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | |
|----------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 264 | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 |
| 1978 | 800 | 800 | 800 | 800 | 836 | 888 | 988 | 1,138 | 1,080 |
| 1979 | 1,305 | 1,325 | 1,305 | 1,305 | 1,305 | 1,358 | 1,391 | 1,469 | 1,471 |
| 1980 | 894 | 934 | 935 | 959 | 959 | 959 | 1,003 | 934 | 934 |
| 1981 | 708 | 708 | 708 | 690 | 690 | 690 | 690 | 690 | 690 |
| 1982 | 1,312 | 1,314 | 1,334 | 1,336 | 1,313 | 1,309 | 1,309 | 1,309 | 1,309 |
| 1983 | 617 | 612 | 612 | 652 | 619 | 619 | 619 | 619 | 619 |
| 1984 | 1,666 | 1,666 | 1,841 | 1,841 | 1,901 | 1,901 | 2,003 | 2,003 | 1,718 |
| 1985 | 2,590 | 2,755 | 3,154 | 3,354 | 3,978 | 4,093 | 4,773 | 5,197 | 5,212 |
| 1986 | 1,275 | 1,275 | 1,373 | 1,373 | 1,373 | 1,373 | 1,373 | 1,373 | 1,373 |
| 1987 | 1,109 | 1,093 | 1,093 | 1,108 | 1,702 | 1,741 | 1,741 | 1,831 | 1,831 |
| 1988 | 1,043 | 1,036 | 1,036 | 1,036 | 1,036 | 1,036 | 1,036 | 1,036 | 1,036 |
| 1989 | 1,078 | 1,078 | 1,078 | 1,078 | 1,078 | 1,078 | 1,078 | 1,078 | 1,078 |
| 1990 | 4,375 | 4,375 | 4,375 | 5,234 | 5,267 | 5,287 | 5,407 | | |
| 1991 | 3,218 | 3,371 | 3,373 | 3,375 | 3,380 | 3,380 | | | |
| 1992 | 1,232 | 1,232 | 1,232 | 1,232 | 1,232 | | | | |
| 1993 | 4,463 | 4,465 | 4,465 | 4,465 | | | | | |
| 1994 | 1,268 | 1,268 | 1,268 | | | | | | |
| 1995 | 922 | 922 | | | | | | | |
| 1996 | 930 | | | | | | | | |
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| 2015 | | | | | | | | | |
| 2016 | | | | | | | | | |
| 2017 | | | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 264 | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 |
|---------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO |
| | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 | 372 |
| 1978 | 1.000 | 1.000 | 1.000 | 1.045 | 1.062 | 1.113 | 1.152 | 0.949 | 1.012 |
| 1979 | 1.015 | 0.985 | 1.000 | 1.001 | 1.041 | 1.024 | 1.056 | 1.001 | 1.000 |
| 1980 | 1.044 | 1.002 | 1.026 | 1.000 | 1.000 | 1.046 | 0.931 | 1.000 | 1.000 |
| 1981 | 1.000 | 1.000 | 0.974 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1982 | 1.002 | 1.015 | 1.001 | 0.983 | 0.997 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1983 | 0.993 | 1.000 | 1.065 | 0.949 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1984 | 1.000 | 1.105 | 1.000 | 1.033 | 1.000 | 1.053 | 1.000 | 0.858 | 1.000 |
| 1985 | 1.064 | 1.145 | 1.063 | 1.186 | 1.029 | 1.166 | 1.089 | 1.003 | 1.027 |
| 1986 | 1.000 | 1.077 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1987 | 0.986 | 1.000 | 1.014 | 1.536 | 1.023 | 1.000 | 1.052 | 1.000 | 1.208 |
| 1988 | 0.993 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1989 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| 1990 | 1.000 | 1.000 | 1.196 | 1.006 | 1.004 | 1.023 | | | |
| 1991 | 1.047 | 1.001 | 1.000 | 1.001 | 1.000 | | | | |
| 1992 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| 1993 | 1.000 | 1.000 | 1.000 | | | | | | |
| 1994 | 1.000 | 1.000 | | | | | | | |
| 1995 | 1.000 | | | | | | | | |
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| 2015 | | | | | | | | | |
| 2016 | | | | | | | | | |
| 10-YR AVERAGE | 1.003 | 1.022 | 1.027 | 1.071 | 1.005 | 1.024 | 1.007 | 0.986 | 1.025 |
| 3-YR AVG. | 1.000 | 1.000 | 1.000 | 1.002 | 1.001 | 1.008 | 1.017 | 1.000 | 1.078 |
| 10-YR AVERAGE EXCL III LO | 0.999 | 1.010 | 1.010 | 1.028 | 1.003 | 1.010 | 1.007 | 1.000 | 1.005 |
| 5-YR AVG X HI/LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 | 1.017 | 1.000 | 1.009 |
| PRIOR SELECTED (9/30/2017) | 1.002 |
| FACTORS FROM TAIL FACTOR STUDY | 1.013 | 1.019 | 1.000 |
| SELECTED | 1.002 |
| CUMULATIVE | 1.018 | 1.016 | 1.014 | 1.012 | 1.010 | 1.008 | 1.006 | 1.004 | 1.002 |

*Accident years 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
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CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

INCURRED LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | |
|-------------------|--------------------|-------|-------|-------|-------|-------|-------|
| | 372 | 384 | 396 | 408 | 420 | 432 | 444 |
| 1978 | 1,092 | 1,501 | 1,501 | 1,623 | 1,623 | 1,658 | 1,658 |
| 1979 | 1,471 | 1,471 | 1,534 | 1,534 | 1,534 | 1,582 | 1,582 |
| 1980 | 934 | 934 | 934 | 934 | 934 | 934 | 934 |
| 1981 | 690 | 690 | 690 | 690 | 690 | 690 | 690 |
| 1982 | 1,309 | 1,309 | 1,309 | 1,309 | 1,309 | 1,309 | 1,309 |
| 1983 | 619 | 619 | 619 | 619 | 619 | | |
| 1984 | 1,718 | 1,718 | 1,718 | 1,719 | | | |
| 1985 | 5,353 | 5,353 | 5,353 | | | | |
| 1986 | 1,373 | 1,373 | | | | | |
| 1987 | 2,211 | | | | | | |
| 1988 | | | | | | | |
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| 2017 | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 372 | 384 | 396 | 408 | 420 | 432 | 444 |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| | TO |
| | 384 | 396 | 408 | 420 | 432 | 444 | ULT |
| 1978 | 1.374 | 1.000 | 1.081 | 1.000 | 1.022 | 1.000 | |
| 1979 | 1.000 | 1.043 | 1.000 | 1.000 | 1.031 | 1.000 | |
| 1980 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1981 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1982 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1983 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 1984 | 1.000 | 1.000 | 1.000 | | | | |
| 1985 | 1.000 | 1.000 | | | | | |
| 1986 | 1.000 | | | | | | |
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| 2015 | | | | | | | |
| 2016 | | | | | | | |
| 10-YR AVERAGE | | | | | | | |
| 3 YR AVG. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 10-YR AVERAGE EXCL HI LO | | | | | | | |
| 5 YR AVG X HI/LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.007 | | |
| PRIOR SELECTED (9/30/2017) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| FACTORS FROM TAIL FACTOR STUDY | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| SELECTED | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CUMULATIVE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*Accident years 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
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CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

PAID LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | |
|-------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 |
| 1978 | 419 | 439 | 458 | 501 | 513 | 528 | 545 | 563 | 608 |
| 1979 | 725 | 745 | 773 | 795 | 818 | 843 | 936 | 1,021 | 1,038 |
| 1980 | 545 | 572 | 601 | 760 | 772 | 785 | 797 | 810 | 823 |
| 1981 | 413 | 434 | 474 | 492 | 687 | 688 | 688 | 689 | 689 |
| 1982 | 888 | 1,010 | 1,023 | 1,037 | 1,136 | 1,149 | 1,165 | 1,178 | 1,190 |
| 1983 | 453 | 482 | 496 | 501 | 576 | 581 | 586 | 588 | 594 |
| 1984 | 820 | 859 | 981 | 1,000 | 1,017 | 1,043 | 1,076 | 1,439 | 1,462 |
| 1985 | 1,394 | 1,438 | 1,482 | 1,595 | 1,709 | 1,801 | 1,889 | 2,062 | 2,165 |
| 1986 | 637 | 664 | 692 | 720 | 748 | 778 | 808 | 839 | 869 |
| 1987 | 702 | 706 | 719 | 760 | 832 | 891 | 921 | 935 | 945 |
| 1988 | 868 | 871 | 890 | 894 | 904 | 909 | 1,032 | 1,033 | 1,036 |
| 1989 | 1,018 | 1,019 | 1,022 | 1,024 | 1,026 | 1,027 | 1,078 | 1,078 | 1,078 |
| 1990 | 3,513 | 3,588 | 3,672 | 3,757 | 3,824 | 3,894 | 3,975 | 4,070 | 4,123 |
| 1991 | 1,727 | 1,748 | 1,823 | 1,999 | 2,048 | 2,129 | 2,180 | 2,256 | 2,308 |
| 1992 | 1,230 | 1,230 | 1,231 | 1,231 | 1,231 | 1,231 | 1,232 | 1,232 | 1,232 |
| 1993 | 4,106 | 4,131 | 4,146 | 4,161 | 4,174 | 4,220 | 4,236 | 4,244 | 4,254 |
| 1994 | 1,267 | 1,268 | 1,268 | 1,268 | 1,268 | 1,268 | 1,268 | 1,268 | 1,268 |
| 1995 | 922 | 922 | 922 | 922 | 922 | 922 | 922 | 922 | 922 |
| 1996 | 921 | 921 | 921 | 921 | 921 | 922 | 922 | 922 | 923 |
| 1997 | 727 | 727 | 727 | 727 | 727 | 727 | 727 | 727 | 727 |
| 1998 | 491 | 491 | 491 | 492 | 493 | 498 | 499 | 499 | 499 |
| 1999 | 1,445 | 1,515 | 1,657 | 1,702 | 2,108 | 2,106 | 2,107 | | |
| 2000 | 1,594 | 1,698 | 2,085 | 2,538 | 2,586 | 2,854 | | | |
| 2001 | 2,795 | 2,813 | 2,873 | 2,883 | 2,900 | | | | |
| 2002 | 2,438 | 2,604 | 2,724 | 2,897 | | | | | |
| 2003 | 3,247 | 3,380 | 3,452 | | | | | | |
| 2004 | 2,333 | 2,337 | | | | | | | |
| 2005 | 2,259 | | | | | | | | |
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| 2017 | | | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 |
|---------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO 168 | TO 180 | TO 192 | TO 204 | TO 216 | TO 228 | TO 240 | TO 252 | TO 264 |
| 1978 | 1.048 | 1.044 | 1.095 | 1.024 | 1.029 | 1.032 | 1.033 | 1.079 | 1.043 |
| 1979 | 1.027 | 1.038 | 1.028 | 1.029 | 1.031 | 1.110 | 1.091 | 1.016 | 1.017 |
| 1980 | 1.049 | 1.049 | 1.265 | 1.017 | 1.016 | 1.016 | 1.016 | 1.016 | 1.017 |
| 1981 | 1.050 | 1.093 | 1.038 | 1.395 | 1.001 | 1.001 | 1.001 | 1.001 | 1.000 |
| 1982 | 1.137 | 1.013 | 1.014 | 1.096 | 1.011 | 1.014 | 1.011 | 1.010 | 1.015 |
| 1983 | 1.066 | 1.027 | 1.011 | 1.150 | 1.009 | 1.008 | 1.003 | 1.011 | 1.003 |
| 1984 | 1.037 | 1.141 | 1.020 | 1.017 | 1.025 | 1.032 | 1.338 | 1.016 | 1.038 |
| 1985 | 1.032 | 1.030 | 1.077 | 1.071 | 1.054 | 1.049 | 1.091 | 1.050 | 1.059 |
| 1986 | 1.042 | 1.042 | 1.040 | 1.040 | 1.039 | 1.039 | 1.037 | 1.037 | 1.035 |
| 1987 | 1.005 | 1.018 | 1.057 | 1.095 | 1.071 | 1.034 | 1.014 | 1.011 | 1.012 |
| 1988 | 1.004 | 1.021 | 1.005 | 1.011 | 1.005 | 1.136 | 1.001 | 1.004 | 1.000 |
| 1989 | 1.001 | 1.003 | 1.002 | 1.002 | 1.001 | 1.050 | 1.000 | 1.000 | 1.000 |
| 1990 | 1.021 | 1.023 | 1.023 | 1.018 | 1.018 | 1.021 | 1.024 | 1.013 | 1.013 |
| 1991 | 1.012 | 1.043 | 1.096 | 1.025 | 1.039 | 1.024 | 1.023 | 1.021 | 1.021 |
| 1992 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 |
| 1993 | 1.006 | 1.004 | 1.003 | 1.003 | 1.011 | 1.004 | 1.002 | 1.002 | 1.005 |
| 1994 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1995 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1996 | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1997 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1998 | 1.000 | 1.000 | 1.002 | 1.002 | 1.010 | 1.002 | 1.000 | | |
| 1999 | 1.048 | 1.094 | 1.027 | 1.239 | 0.999 | 1.000 | | | |
| 2000 | 1.065 | 1.228 | 1.212 | 1.023 | 1.104 | | | | |
| 2001 | 1.007 | 1.021 | 1.003 | 1.006 | | | | | |
| 2002 | 1.068 | 1.046 | 1.064 | | | | | | |
| 2003 | 1.041 | 1.021 | | | | | | | |
| 2004 | 1.001 | | | | | | | | |
| 2005 | | | | | | | | | |
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| 2016 | | | | | | | | | |
| 10-YR AVERAGE | 1.023 | 1.041 | 1.031 | 1.027 | 1.016 | 1.005 | 1.006 | 1.004 | 1.005 |
| 3 YR AVG. | 1.037 | 1.029 | 1.093 | 1.038 | 1.038 | 1.001 | 1.000 | 1.000 | 1.000 |
| 10-YR AVERAGE EXCL HI LO | 1.020 | 1.023 | 1.012 | 1.040 | 1.008 | 1.004 | 1.003 | 1.002 | 1.004 |
| 5 YR AVG X HI/LO | 1.038 | 1.054 | 1.031 | 1.010 | 1.003 | 1.000 | 1.000 | 1.000 | 1.000 |
| PRIOR SELECTED (9/30/2017) | 1.025 | 1.025 | 1.025 | 1.025 | 1.015 | 1.004 | 1.004 | 1.004 | 1.004 |
| FACTORS FROM TAIL FACTOR STUDY | | | | | | | | | 1.027 |
| SELECTED | 1.025 | 1.025 | 1.025 | 1.025 | 1.015 | 1.004 | 1.004 | 1.004 | 1.004 |
| CUMULATIVE | 1.190 | 1.161 | 1.133 | 1.105 | 1.078 | 1.062 | 1.058 | 1.054 | 1.050 |

*Accident years 12-month periods ending 9/30 of the stated year.

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WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
(AS OF MARCH 31, 2018)
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

PAID LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | |
|-------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 264 | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 |
| 1978 | 634 | 654 | 685 | 731 | 762 | 823 | 868 | 915 | 1,002 |
| 1979 | 1,055 | 1,088 | 1,120 | 1,145 | 1,208 | 1,229 | 1,249 | 1,346 | 1,361 |
| 1980 | 837 | 851 | 867 | 883 | 897 | 911 | 927 | 934 | 934 |
| 1981 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 |
| 1982 | 1,207 | 1,223 | 1,236 | 1,251 | 1,263 | 1,309 | 1,309 | 1,309 | 1,309 |
| 1983 | 596 | 598 | 599 | 601 | 619 | 619 | 619 | 619 | 619 |
| 1984 | 1,518 | 1,563 | 1,590 | 1,613 | 1,637 | 1,667 | 1,690 | 1,711 | 1,718 |
| 1985 | 2,293 | 2,512 | 2,762 | 2,990 | 3,454 | 3,841 | 4,319 | 4,817 | 4,900 |
| 1986 | 900 | 933 | 963 | 993 | 1,023 | 1,054 | 1,084 | 1,114 | 1,145 |
| 1987 | 956 | 971 | 1,003 | 1,042 | 1,188 | 1,245 | 1,271 | 1,390 | 1,466 |
| 1988 | 1,036 | 1,036 | 1,036 | 1,036 | 1,036 | 1,036 | 1,036 | 1,036 | 1,036 |
| 1989 | 1,078 | 1,078 | 1,078 | 1,078 | 1,078 | 1,078 | 1,078 | 1,078 | 1,078 |
| 1990 | 4,177 | 4,205 | 4,217 | 4,399 | 4,494 | 4,583 | 4,663 | | |
| 1991 | 2,357 | 2,412 | 2,468 | 2,525 | 2,595 | 2,655 | | | |
| 1992 | 1,232 | 1,232 | 1,232 | 1,232 | 1,232 | | | | |
| 1993 | 4,276 | 4,299 | 4,317 | 4,339 | | | | | |
| 1994 | 1,268 | 1,268 | 1,268 | | | | | | |
| 1995 | 922 | 922 | | | | | | | |
| 1996 | 923 | | | | | | | | |
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LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 264 | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | TO 276 | TO 288 | TO 300 | TO 312 | TO 324 | TO 336 | TO 348 | TO 360 | TO 372 |
| 1978 | 1.033 | 1.047 | 1.067 | 1.043 | 1.080 | 1.055 | 1.055 | 1.095 | 1.037 |
| 1979 | 1.031 | 1.029 | 1.022 | 1.055 | 1.018 | 1.016 | 1.077 | 1.011 | 1.010 |
| 1980 | 1.017 | 1.018 | 1.018 | 1.016 | 1.016 | 1.017 | 1.007 | 1.000 | 1.000 |
| 1981 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1982 | 1.013 | 1.011 | 1.012 | 1.010 | 1.036 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1983 | 1.003 | 1.002 | 1.004 | 1.030 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1984 | 1.029 | 1.017 | 1.015 | 1.015 | 1.018 | 1.014 | 1.012 | 1.005 | 1.000 |
| 1985 | 1.096 | 1.100 | 1.082 | 1.155 | 1.112 | 1.124 | 1.115 | 1.017 | 1.024 |
| 1986 | 1.036 | 1.032 | 1.031 | 1.031 | 1.030 | 1.029 | 1.028 | 1.027 | 1.026 |
| 1987 | 1.016 | 1.032 | 1.039 | 1.140 | 1.048 | 1.021 | 1.098 | 1.055 | 1.119 |
| 1988 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1989 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| 1990 | 1.007 | 1.003 | 1.043 | 1.022 | 1.020 | 1.017 | | | |
| 1991 | 1.023 | 1.023 | 1.023 | 1.028 | 1.023 | | | | |
| 1992 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| 1993 | 1.005 | 1.004 | 1.005 | | | | | | |
| 1994 | 1.000 | 1.000 | | | | | | | |
| 1995 | 1.000 | | | | | | | | |
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| 2016 | | | | | | | | | |
| 10-YR AVERAGE | 1.009 | 1.019 | 1.024 | 1.042 | 1.029 | 1.021 | 1.026 | 1.012 | 1.022 |
| 3 YR AVG. | 1.002 | 1.001 | 1.009 | 1.017 | 1.014 | 1.006 | 1.031 | 1.027 | 1.056 |
| 10-YR AVERAGE EXCL HI LO | 1.006 | 1.012 | 1.020 | 1.033 | 1.022 | 1.010 | 1.018 | 1.008 | 1.012 |
| 5 YR AVG X HI/LO | 1.002 | 1.002 | 1.009 | 1.007 | 1.014 | 1.013 | 1.041 | 1.016 | 1.017 |
| PRIOR SELECTED (9/30/2017) | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 |
| FACTORS FROM TAIL FACTOR STUDY | 1.026 | 1.015 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| SELECTED | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 | 1.004 |
| CUMULATIVE | 1.046 | 1.042 | 1.037 | 1.033 | 1.029 | 1.025 | 1.021 | 1.017 | 1.013 |

*Accident years 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

PAID LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | |
|-------------------|--------------------|-------|-------|-------|-------|-------|-------|
| | 372 | 384 | 396 | 408 | 420 | 432 | 444 |
| 1978 | 1,039 | 1,095 | 1,134 | 1,186 | 1,221 | 1,279 | 1,313 |
| 1979 | 1,374 | 1,388 | 1,402 | 1,415 | 1,429 | 1,443 | 1,456 |
| 1980 | 934 | 934 | 934 | 934 | 934 | 934 | 934 |
| 1981 | 690 | 690 | 690 | 690 | 690 | 690 | 690 |
| 1982 | 1,309 | 1,309 | 1,309 | 1,309 | 1,309 | 1,309 | 1,309 |
| 1983 | 619 | 619 | 619 | 619 | 619 | | |
| 1984 | 1,718 | 1,718 | 1,718 | 1,719 | | | |
| 1985 | 5,017 | 5,028 | 5,037 | | | | |
| 1986 | 1,175 | 1,206 | | | | | |
| 1987 | 1,640 | | | | | | |
| 1988 | | | | | | | |
| 1989 | | | | | | | |
| 1990 | | | | | | | |
| 1991 | | | | | | | |
| 1992 | | | | | | | |
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| 2011 | | | | | | | |
| 2012 | | | | | | | |
| 2013 | | | | | | | |
| 2014 | | | | | | | |
| 2015 | | | | | | | |
| 2016 | | | | | | | |
| 2017 | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 372 | 384 | 396 | 408 | 420 | 432 | 444 |
|---------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO |
| | 384 | 396 | 408 | 420 | 432 | 444 | ULT |
| 1978 | 1.054 | 1.036 | 1.047 | 1.029 | 1.048 | 1.026 | |
| 1979 | 1.010 | 1.010 | 1.010 | 1.010 | 1.009 | 1.009 | |
| 1980 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1981 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1982 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1983 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 1984 | 1.000 | 1.000 | 1.000 | | | | |
| 1985 | 1.002 | 1.002 | | | | | |
| 1986 | 1.026 | | | | | | |
| 1987 | | | | | | | |
| 1988 | | | | | | | |
| 1989 | | | | | | | |
| 1990 | | | | | | | |
| 1991 | | | | | | | |
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| 2011 | | | | | | | |
| 2012 | | | | | | | |
| 2013 | | | | | | | |
| 2014 | | | | | | | |
| 2015 | | | | | | | |
| 2016 | | | | | | | |
| 10-YR AVERAGE | | | | | | | |
| 3 YR AVG. | 1.009 | 1.001 | 1.000 | 1.000 | 1.000 | 1.003 | |
| 10-YR AVERAGE EXCL HI/LO | | | | | | | |
| 5 YR AVG X HI/LO | 1.001 | 1.000 | 1.000 | 1.000 | 1.003 | | |
| PRIOR SELECTED (9/30/2017) | 1.003 | 1.003 | 1.000 | 1.000 | 1.001 | 1.002 | |
| FACTORS FROM TAIL FACTOR STUDY | 1.000 |
| SELECTED | 1.003 | 1.003 | 1.000 | 1.000 | 1.001 | 1.002 | |
| CUMULATIVE | 1.009 | 1.006 | 1.003 | 1.003 | 1.003 | 1.002 | 1.000 |

*Accident years 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE REPORTED CLAIM COUNT DEVELOPMENT FACTORS
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018

REPORTED CLAIM COUNT DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | | | |
|----------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
| 1978 | | | | | | | | | | | | 7,628 |
| 1994 | | | | | | | | | | | 786 | 786 |
| 1995 | | | | | | | | | | 775 | 775 | 775 |
| 1996 | | | | | | | | | 844 | 844 | 844 | 844 |
| 1997 | | | | | | | | 738 | 738 | 738 | 738 | 738 |
| 1998 | | | | | | | 735 | 735 | 735 | 735 | 735 | 735 |
| 1999 | | | | | | 689 | 689 | 689 | 689 | 689 | 688 | 688 |
| 2000 | | | | | 662 | 662 | 662 | 662 | 662 | 662 | 662 | 662 |
| 2001 | | | | 756 | 756 | 757 | 757 | 757 | 757 | 757 | 757 | 757 |
| 2002 | | | 761 | 761 | 762 | 762 | 762 | 762 | 762 | 762 | 762 | 763 |
| 2003 | | 644 | 645 | 646 | 646 | 646 | 646 | 646 | 646 | 646 | 646 | 646 |
| 2004 | 876 | 877 | 883 | 883 | 883 | 883 | 883 | 883 | 883 | 883 | 883 | 883 |
| 2005 | 769 | 784 | 784 | 784 | 784 | 785 | 785 | 785 | 785 | 785 | 785 | 785 |
| 2006 | 796 | 799 | 800 | 801 | 801 | 801 | 801 | 802 | 802 | 802 | 802 | 802 |
| 2007 | 602 | 614 | 614 | 614 | 614 | 614 | 615 | 615 | 615 | 615 | 615 | |
| 2008 | 621 | 642 | 642 | 643 | 643 | 643 | 643 | 643 | 643 | 643 | | |
| 2009 | 607 | 627 | 627 | 627 | 627 | 627 | 627 | 627 | 627 | | | |
| 2010 | 599 | 607 | 607 | 607 | 607 | 606 | 606 | 606 | | | | |
| 2011 | 566 | 579 | 581 | 581 | 581 | 581 | 581 | | | | | |
| 2012 | 527 | 537 | 536 | 536 | 537 | 537 | | | | | | |
| 2013 | 624 | 810 | 814 | 815 | 815 | | | | | | | |
| 2014 | 587 | 587 | 592 | 592 | | | | | | | | |
| 2015 | 524 | 529 | 531 | | | | | | | | | |
| 2016 | 564 | 573 | | | | | | | | | | |
| 2017 | 448 | | | | | | | | | | | |

CLAIM COUNT DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
|-----------------------------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| | TO 24 | TO 36 | TO 48 | TO 60 | TO 72 | TO 84 | TO 96 | TO 108 | TO 120 | TO 132 | TO 144 | TO 156 |
| 1978 | | | | | | | | | | | | 1.000 |
| 1994 | | | | | | | | | | | 1.000 | 1.000 |
| 1995 | | | | | | | | | | 1.000 | 1.000 | 1.000 |
| 1996 | | | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 |
| 1997 | | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1998 | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1999 | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 0.999 | 1.000 | 1.000 |
| 2000 | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2001 | | | | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2002 | | | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 |
| 2003 | | 1.002 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2004 | 1.001 | 1.007 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2005 | 1.020 | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2006 | 1.004 | 1.001 | 1.001 | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2007 | 1.020 | 1.000 | 1.000 | 1.000 | 1.000 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| 2008 | 1.034 | 1.000 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 2009 | 1.033 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | |
| 2010 | 1.013 | 1.000 | 1.000 | 1.000 | 0.998 | 1.000 | 1.000 | | | | | |
| 2011 | 1.023 | 1.003 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | |
| 2012 | 1.019 | 0.998 | 1.000 | 1.002 | 1.000 | | | | | | | |
| 2013 | 1.298 | 1.005 | 1.001 | 1.000 | | | | | | | | |
| 2014 | 1.000 | 1.009 | 1.000 | | | | | | | | | |
| 2015 | 1.010 | 1.004 | | | | | | | | | | |
| 2016 | 1.016 | | | | | | | | | | | |
| AVERAGE | 1.038 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 3 YR AVG. | 1.009 | 1.006 | 1.000 | 1.001 | 0.999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| EXCL HI LO | 1.018 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 5 YR AVG X HI LO | 1.015 | 1.004 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PRIOR SELECTED (9/30/2017) | 1.025 | 1.001 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| SELECTED | 1.025 | 1.001 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CUMULATIVE | 1.027 | 1.002 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*Accident years 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE CLAIM FREQUENCY AND ULTIMATE CLAIM SEVERITY
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
LIMITED TO RETENTION

| ACCIDENT YEARS* | CLAIMS REPORTED @3/31/2018 | DEVELOPMENT FACTORS | ULTIMATE CLAIM COUNT | ULTIMATE LOSS | PAYROLL (\$000'S) | NUMBER OF CLAIMS PER \$MM OF PAYROLL (FREQUENCY) | AVERAGE CLAIM (SEVERITY) (WHOLE DOLLARS) |
|---------------------|----------------------------|---------------------|----------------------|---------------|-------------------|--|--|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 2004 | 883 | 1.000 | 883 | 2,695 | 116,865 | 7.6 | \$3,052 |
| 2005 | 785 | 1.000 | 785 | 2,647 | 134,969 | 5.8 | 3,371 |
| 2006 | 802 | 1.000 | 802 | 3,956 | 137,826 | 5.8 | 4,933 |
| 2007 | 615 | 1.000 | 615 | 2,033 | 147,222 | 4.2 | 3,306 |
| 2008 | 643 | 1.000 | 643 | 4,319 | 153,840 | 4.2 | 6,717 |
| 2009 | 627 | 1.000 | 627 | 3,318 | 164,709 | 3.8 | 5,291 |
| 2010 | 606 | 1.000 | 606 | 3,481 | 171,283 | 3.5 | 5,743 |
| 2011 | 581 | 1.000 | 581 | 3,968 | 175,841 | 3.3 | 6,829 |
| 2012 | 537 | 1.000 | 537 | 3,454 | 163,299 | 3.3 | 6,431 |
| 2013 | 815 | 1.000 | 815 | 3,611 | 159,681 | 5.1 | 4,430 |
| 2014 | 592 | 1.001 | 592 | 2,898 | 160,139 | 3.7 | 4,892 |
| 2015 | 531 | 1.001 | 532 | 3,221 | 158,286 | 3.4 | 6,057 |
| 2016 | 574 | 1.014 | 582 | 3,856 | 155,726 | 3.7 | 6,622 |
| 2017 | 456 | 1.027 | 468 | 5,171 | 155,525 | 3.0 | 11,043 |
| 10/1/2017-3/31/2018 | 250 | | 284 | 5,171 | 79,318 | 3.6 | 18,183 |
| TOTAL | 6,894 | | 6,894 | 33,481 | | | |

Notes:

- (1) & (5) - Per CITY OF JACKSONVILLE.
 - (2) - Per CITY OF JACKSONVILLE's historical loss patterns.
 - (3) = (1) x (2). For the most recent year, we used the average of prior years.
 - (4) = Exhibit III, Page 1, Column (5).
 - (6) = [(3) / (5)] x 1000.
 - (7) = [(4) / (3)] x 1000.
- *Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF PROJECTED LOSSES
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEAR* | SELECTED ULTIMATE LOSSES | RETENTION LIMIT | PAYROLL (IN \$000'S) | LOSS RATE |
|--------------------------------------|--------------------------|-----------------|----------------------|-----------|
| | (1) | (2) | (3) | (4) |
| 1978 | 797 | 500 | | |
| 1979 | 1,446 | 500 | | |
| 1980 | 934 | 500 | | |
| 1981 | 690 | 1000 | | |
| 1982 | 1,310 | 1000 | | |
| 1983 | 620 | 250 | | |
| 1984 | 1,718 | 250 | | |
| 1985 | 1,005 | 250 | | |
| 1986 | 560 | 250 | | |
| 1987 | 1,655 | 1000 | | |
| 1988 | 1,043 | 1000 | | |
| 1989 | 1,087 | 1000 | | |
| 1990 | 3,784 | 1000 | | |
| 1991 | 2,697 | 1000 | | |
| 1992 | 1,254 | 1000 | | |
| 1993 | 4,142 | 1000 | | |
| 1994 | 1,299 | 1,000 | N/A | |
| 1995 | 947 | 1,000 | N/A | |
| 1996 | 955 | 1,000 | N/A | |
| 1997 | 751 | 1,000 | N/A | |
| 1998 | 550 | 1,000 | N/A | |
| 1999 | 2,232 | 1,000 | N/A | |
| 2000 | 3,291 | 1,000 | N/A | |
| 2001 | 3,209 | 1,000 | N/A | |
| 2002 | 3,240 | 1,000 | N/A | |
| 2003 | 4,116 | 1,200 | N/A | |
| 2004 | 2,695 | 1,200 | 116,865 | 0.023 |
| 2005 | 2,647 | 1,200 | 134,969 | 0.020 |
| 2006 | 3,956 | 1,200 | 137,826 | 0.029 |
| 2007 | 2,033 | 1,200 | 147,222 | 0.014 |
| 2008 | 4,319 | 1,200 | 153,840 | 0.028 |
| 2009 | 3,318 | 1,200 | 164,709 | 0.020 |
| 2010 | 3,481 | 1,200 | 171,283 | 0.020 |
| 2011 | 3,968 | 1,200 | 175,841 | 0.023 |
| 2012 | 3,454 | 1,200 | 163,299 | 0.021 |
| 2013 | 3,611 | 1,200 | 159,681 | 0.023 |
| 2014 | 2,898 | 1,250 | 160,139 | 0.018 |
| 2015 | 3,221 | 1,250 | 158,286 | 0.020 |
| 2016 | 3,856 | 1,250 | 155,726 | 0.025 |
| 2017 | 5,171 | 1,250 | 155,525 | 0.033 |
| 10/1/2017-3/31/2018 | 2,439 | 1,250 | 79,318 | 0.031 |
| (PROJ.) 4/1/2018 to 9/30/2018 | \$1,967 | 1,250 | 79,318 | 0.025 |
| (PROJ.) 2018/2019 | \$4,057 | 1,250 | 161,808 | 0.025 |
| (PROJ.) 2019/2020 | \$4,182 | 1,250 | 165,045 | 0.025 |
| (PROJ.) 2020/2021 | \$4,312 | 1,250 | 168,346 | 0.026 |
| (PROJ.) 2021/2022 | \$4,445 | 1,250 | 171,712 | 0.026 |
| (PROJ.) 2022/2023 | \$4,581 | 1,250 | 175,147 | 0.026 |

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEAR | 55% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|--------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (9) | (10) |
| (PROJ.) 4/1/2018 to 9/30/2018 | \$1,967 | \$2,182 | \$2,254 | \$2,337 | \$2,424 | \$2,556 |
| 2018/2019 | 4,057 | 4,501 | 4,649 | 4,819 | 5,000 | 5,271 |
| 2019/2020 | 4,182 | 4,640 | 4,793 | 4,969 | 5,155 | 5,435 |
| 2020/2021 | 4,312 | 4,784 | 4,941 | 5,122 | 5,314 | 5,603 |
| 2021/2022 | 4,445 | 4,931 | 5,094 | 5,280 | 5,478 | 5,775 |
| 2022/2023 | 4,581 | 5,083 | 5,250 | 5,442 | 5,646 | 5,953 |

Notes:

(1) - Exhibit III, Page 1, Column (5). For the projection years (1) = (3) x (4).

(2) & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) / (3). For the projected year, it is selected based on prior years.

(5) = Projected losses in Column (1).

(6) to (10) - Based on Monte Carlo Simulation Approach.

**Retention for 1993 and Prior

| Effective Date | Retention |
|----------------|-----------|
| 10/1/1977 | 500 |
| 10/1/1980 | 1,000 |
| 10/1/1982 | 250 |
| 11/1/1986 | 1,000 |
| 10/1/2002 | 1,200 |

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
ANALYSIS OF RESERVE CHANGE
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| | |
|---|------------------|
| 1. Estimated net undiscounted reserves at 9/30/2017 | \$17,211 |
| 2. Loss payments during 10/1/2017 -3/31/2018 for the accident period 9/30/2017 and prior | (\$1,634) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018 | \$612 |
| 4. Estimated ultimate losses for the period 10/1/2017-3/31/2018 | \$2,439 |
| 5. Loss payments during 10/1/2017 -3/31/2018 for the accident period 10/1/2017 -3/31/2018 | (\$720) |
| 6. Estimated net undiscounted reserves at 3/31/2018 | \$17,907 |

Notes:

- (1) - Per AMI Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit III, Page 8C, Column (3).
- (3) - Total from Exhibit III, Page 8B, Column (3).
- (4) - See Exhibit III, Page 1, Column (5), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$26,064 | \$26,037 | (27) |
| 1995 | 944 | 947 | 2 |
| 1996 | 953 | 955 | 3 |
| 1997 | 749 | 751 | 2 |
| 1998 | 559 | 550 | (9) |
| 1999 | 2,238 | 2,232 | (6) |
| 2000 | 3,375 | 3,291 | (85) |
| 2001 | 3,249 | 3,209 | (40) |
| 2002 | 3,250 | 3,240 | (10) |
| 2003 | 4,221 | 4,116 | (105) |
| 2004 | 2,727 | 2,695 | (32) |
| 2005 | 2,662 | 2,647 | (16) |
| 2006 | 4,044 | 3,956 | (88) |
| 2007 | 2,136 | 2,033 | (102) |
| 2008 | 4,190 | 4,319 | 130 |
| 2009 | 3,402 | 3,318 | (84) |
| 2010 | 3,498 | 3,481 | (17) |
| 2011 | 4,082 | 3,968 | (114) |
| 2012 | 3,408 | 3,454 | 45 |
| 2013 | 3,632 | 3,611 | (22) |
| 2014 | 2,951 | 2,898 | (53) |
| 2015 | 3,024 | 3,221 | 197 |
| 2016 | 3,850 | 3,856 | 6 |
| 2017 | 4,135 | 5,171 | 1,036 |
| TOTAL | \$93,343 | \$93,955 | 612 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit III, Page 1, Column (5).

(3) = (2) - (1).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|-----------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$25,568 | \$25,601 | \$34 |
| 1995 | 922 | 922 | 0 |
| 1996 | 923 | 925 | 2 |
| 1997 | 727 | 727 | 0 |
| 1998 | 499 | 499 | 0 |
| 1999 | 2,107 | 2,107 | 0 |
| 2000 | 2,854 | 2,885 | 31 |
| 2001 | 2,900 | 2,902 | 2 |
| 2002 | 2,897 | 2,944 | 47 |
| 2003 | 3,413 | 3,489 | 76 |
| 2004 | 2,337 | 2,338 | 2 |
| 2005 | 2,259 | 2,263 | 4 |
| 2006 | 3,052 | 3,244 | 192 |
| 2007 | 1,447 | 1,458 | 12 |
| 2008 | 3,520 | 3,535 | 16 |
| 2009 | 2,534 | 2,541 | 6 |
| 2010 | 2,586 | 2,612 | 27 |
| 2011 | 2,993 | 3,007 | 15 |
| 2012 | 2,484 | 2,484 | 0 |
| 2013 | 2,340 | 2,353 | 13 |
| 2014 | 1,783 | 1,795 | 12 |
| 2015 | 1,930 | 1,996 | 66 |
| 2016 | 2,211 | 2,333 | 123 |
| 2017 | 1,849 | 2,804 | 955 |
| TOTAL | \$76,132 | \$77,766 | \$1,634 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit III, Page 1, Column (6).

(3) = (2) - (1).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF TOTAL RESERVES
WORKERS' COMPENSATION - FIRE NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

ALL APPROACHES COMBINED

| ACCIDENT YEAR* | ILDA ULTIMATE LOSSES | PLDA ULTIMATE LOSSES | BFILA ULTIMATE LOSSES | BFPLA ULTIMATE LOSSES | SELECTED ULTIMATE LOSSES | PAID LOSSES @3/31/2018 | LOSS RESERVES @3/31/2018 |
|----------------|----------------------|----------------------|-----------------------|-----------------------|--------------------------|------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 1978 | 509 | 509 | 509 | 509 | 509 | \$509 | 0 |
| 1979 | 657 | 657 | 657 | 657 | 657 | 657 | 0 |
| 1980 | 745 | 745 | 745 | 745 | 745 | 745 | 0 |
| 1981 | 815 | 815 | 815 | 815 | 815 | 815 | 0 |
| 1982 | 687 | 687 | 687 | 687 | 687 | 687 | 0 |
| 1983 | 368 | 368 | 368 | 368 | 368 | 368 | 0 |
| 1984 | 1,043 | 854 | 1,043 | 1,043 | 996 | 854 | 142 |
| 1985 | 860 | 861 | 860 | 861 | 861 | 860 | 0 |
| 1986 | 902 | 892 | 902 | 902 | 899 | 890 | 9 |
| 1987 | 1,316 | 1,319 | 1,316 | 1,319 | 1,318 | 1,316 | 2 |
| 1988 | 1,914 | 1,903 | 1,914 | 1,914 | 1,911 | 1,896 | 15 |
| 1989 | 4,186 | 4,011 | 4,186 | 4,187 | 4,142 | 3,991 | 151 |
| 1990 | 590 | 580 | 590 | 589 | 587 | 575 | 12 |
| 1991 | 1,510 | 1,429 | 1,510 | 1,505 | 1,489 | 1,412 | 77 |
| 1992 | 1,953 | 1,844 | 1,952 | 1,942 | 1,923 | 1,812 | 111 |
| 1993 | 1,093 | 1,108 | 1,093 | 1,108 | 1,101 | 1,084 | 17 |
| 1994 | 2,259 | 2,152 | 2,258 | 2,231 | 2,225 | 2,091 | 134 |
| 1995 | 415 | 423 | 415 | 423 | 419 | 408 | 11 |
| 1996 | 883 | 748 | 881 | 862 | 844 | 714 | 129 |
| 1997 | 2,314 | 2,016 | 2,310 | 2,253 | 2,223 | 1,902 | 321 |
| 1998 | 1,211 | 1,265 | 1,212 | 1,263 | 1,238 | 1,175 | 63 |
| 1999 | 3,403 | 2,899 | 3,393 | 3,269 | 3,241 | 2,647 | 594 |
| 2000 | 1,486 | 1,536 | 1,488 | 1,533 | 1,511 | 1,374 | 137 |
| 2001 | 2,520 | 2,508 | 2,381 | 2,328 | 2,434 | 2,193 | 241 |
| 2002 | 3,107 | 2,972 | 2,905 | 2,785 | 2,942 | 2,541 | 401 |
| 2003 | 4,979 | 4,386 | 4,547 | 4,396 | 4,577 | 3,659 | 919 |
| 2004 | 2,294 | 2,198 | 2,175 | 2,044 | 2,178 | 1,785 | 393 |
| 2005 | 2,975 | 2,561 | 2,792 | 2,543 | 2,717 | 2,022 | 696 |
| 2006 | 1,226 | 1,324 | 1,312 | 1,425 | 1,322 | 1,015 | 307 |
| 2007 | 1,683 | 1,488 | 1,730 | 1,606 | 1,627 | 1,102 | 525 |
| 2008 | 1,857 | 1,884 | 1,902 | 1,943 | 1,896 | 1,342 | 554 |
| 2009 | 2,921 | 2,824 | 2,777 | 2,639 | 2,790 | 1,935 | 855 |
| 2010 | 4,131 | 3,952 | 3,760 | 3,452 | 3,824 | 2,603 | 1,220 |
| 2011 | 1,492 | 1,634 | 1,730 | 1,935 | 1,697 | 1,030 | 668 |
| 2012 | 2,299 | 2,308 | 2,317 | 2,330 | 2,313 | 1,385 | 928 |
| 2013 | 1,493 | 1,774 | 1,769 | 2,041 | 1,769 | 1,014 | 755 |
| 2014 | 1,847 | 2,016 | 2,106 | 2,297 | 2,067 | 1,092 | 974 |
| 2015 | 2,197 | 1,742 | 2,384 | 2,220 | 2,136 | 890 | 1,245 |
| 2016 | 3,108 | 2,938 | 2,972 | 2,840 | 2,964 | 1,395 | 1,570 |
| 2017 | 3,099 | 3,467 | 3,017 | 3,095 | 3,170 | 1,172 | 1,998 |
| 2018 | 1,228 | 1,249 | 1,828 | 1,620 | 1,481 | 270 | 1,211 |
| TOTAL | \$75,574 | \$72,845 | \$75,507 | \$74,521 | \$74,612 | \$57,227 | \$17,385 |

Notes:

- (1), (2), (3) & (4) - Ultimate incurred losses calculated from Exhibit IV, Pages 2 and 3.
- (5) = Selected based on (1), (2), (3) & (4).
- (6) - Per CITY OF JACKSONVILLE.
- (7) = (5) - (6).
- *Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.
- *Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE LOSSES - LOSS DEVELOPMENT APPROACH
WORKERS' COMPENSATION - FIRE NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

INCURRED LOSS DEVELOPMENT APPROACH

| ACCIDENT YEAR* | INCURRED LOSSES @3/31/2018 | LARGE LOSSES EXCLUDED FROM DEVELOPMENT (1A) | LOSS DEVELOPMENT FACTORS (2) | ULTIMATE INCURRED LOSSES (3) | PAYROLL (IN \$000'S) (4) | ESTIMATED LOSS RATE (5) |
|----------------|----------------------------|---|------------------------------|------------------------------|--------------------------|-------------------------|
| 1978 | \$509 | | 1.000 | 509 | N/A | |
| 1979 | 657 | | 1.000 | 657 | N/A | |
| 1980 | 745 | | 1.000 | 745 | N/A | |
| 1981 | 815 | | 1.000 | 815 | N/A | |
| 1982 | 687 | | 1.000 | 687 | N/A | |
| 1983 | 368 | | 1.000 | 368 | N/A | |
| 1984 | 1,043 | | 1.000 | 1,043 | N/A | |
| 1985 | 860 | | 1.000 | 860 | N/A | |
| 1986 | 902 | | 1.000 | 902 | N/A | |
| 1987 | 1,316 | | 1.000 | 1,316 | N/A | |
| 1988 | 1,914 | | 1.000 | 1,914 | N/A | |
| 1989 | 4,187 | | 1.000 | 4,186 | N/A | |
| 1990 | 589 | | 1.001 | 590 | N/A | |
| 1991 | 1,505 | | 1.003 | 1,510 | N/A | |
| 1992 | 1,942 | | 1.005 | 1,953 | N/A | |
| 1993 | 1,084 | | 1.008 | 1,093 | N/A | |
| 1994 | 2,231 | | 1.013 | 2,259 | N/A | |
| 1995 | 408 | | 1.018 | 415 | N/A | |
| 1996 | 862 | | 1.024 | 883 | N/A | |
| 1997 | 2,253 | | 1.027 | 2,314 | N/A | |
| 1998 | 1,175 | | 1.031 | 1,211 | N/A | |
| 1999 | 3,269 | | 1.041 | 3,403 | N/A | |
| 2000 | 1,382 | | 1.076 | 1,486 | N/A | |
| 2001 | 2,279 | | 1.106 | 2,520 | 49,323 | 0.051 |
| 2002 | 2,785 | | 1.116 | 3,107 | 51,475 | 0.060 |
| 2003 | 4,396 | | 1.133 | 4,979 | 54,736 | 0.091 |
| 2004 | 1,996 | | 1.150 | 2,294 | 56,264 | 0.041 |
| 2005 | 2,543 | | 1.170 | 2,975 | 67,634 | 0.044 |
| 2006 | 1,028 | | 1.193 | 1,226 | 67,158 | 0.018 |
| 2007 | 1,383 | | 1.217 | 1,683 | 71,897 | 0.023 |
| 2008 | 1,496 | | 1.241 | 1,857 | 74,955 | 0.025 |
| 2009 | 2,307 | | 1.266 | 2,921 | 77,831 | 0.038 |
| 2010 | 3,198 | | 1.292 | 4,131 | 84,047 | 0.049 |
| 2011 | 1,121 | | 1.330 | 1,492 | 80,441 | 0.019 |
| 2012 | 1,661 | | 1.384 | 2,299 | 75,531 | 0.030 |
| 2013 | 1,038 | | 1.439 | 1,493 | 74,599 | 0.020 |
| 2014 | 1,234 | | 1.497 | 1,847 | 79,498 | 0.023 |
| 2015 | 1,411 | | 1.556 | 2,197 | 79,710 | 0.028 |
| 2016 | 1,920 | | 1.619 | 3,108 | 78,664 | 0.040 |
| 2017 | 1,794 | | 1.727 | 3,099 | 81,051 | 0.038 |
| 2018 | 833 | | | 1,228 | 41,336 | 0.030 |
| TOTAL | \$65,125 | | | \$75,574 | | |

PAID LOSS DEVELOPMENT APPROACH

| ACCIDENT YEAR* | PAID LOSSES @3/31/2018 | LARGE LOSSES EXCLUDED FROM DEVELOPMENT (1A) | LOSS DEVELOPMENT FACTORS (7) | ULTIMATE INCURRED LOSSES (8) | PAYROLL (IN \$000'S) (9) | ESTIMATED LOSS RATE (10) |
|----------------|------------------------|---|------------------------------|------------------------------|--------------------------|--------------------------|
| 1978 | \$509 | | 1.000 | 509 | N/A | |
| 1979 | 657 | | 1.000 | 657 | N/A | |
| 1980 | 745 | | 1.000 | 745 | N/A | |
| 1981 | 815 | | 1.000 | 815 | N/A | |
| 1982 | 687 | | 1.000 | 687 | N/A | |
| 1983 | 368 | | 1.000 | 368 | N/A | |
| 1984 | 854 | | 1.000 | 854 | N/A | |
| 1985 | 860 | | 1.001 | 861 | N/A | |
| 1986 | 890 | | 1.002 | 892 | N/A | |
| 1987 | 1,316 | | 1.003 | 1,319 | N/A | |
| 1988 | 1,896 | | 1.004 | 1,903 | N/A | |
| 1989 | 3,991 | | 1.005 | 4,011 | N/A | |
| 1990 | 575 | | 1.008 | 580 | N/A | |
| 1991 | 1,412 | | 1.012 | 1,429 | N/A | |
| 1992 | 1,812 | | 1.018 | 1,844 | N/A | |
| 1993 | 1,084 | | 1.023 | 1,108 | N/A | |
| 1994 | 2,091 | | 1.029 | 2,152 | N/A | |
| 1995 | 408 | | 1.038 | 423 | N/A | |
| 1996 | 714 | | 1.048 | 748 | N/A | |
| 1997 | 1,902 | | 1.060 | 2,016 | N/A | |
| 1998 | 1,175 | | 1.076 | 1,265 | N/A | |
| 1999 | 2,647 | | 1.095 | 2,899 | N/A | |
| 2000 | 1,374 | | 1.118 | 1,536 | N/A | |
| 2001 | 2,193 | | 1.143 | 2,508 | 49,323 | 0.051 |
| 2002 | 2,541 | | 1.170 | 2,972 | 51,475 | 0.058 |
| 2003 | 3,659 | | 1.199 | 4,386 | 54,736 | 0.080 |
| 2004 | 1,785 | | 1.232 | 2,198 | 56,264 | 0.039 |
| 2005 | 2,022 | | 1.267 | 2,561 | 67,634 | 0.038 |
| 2006 | 1,015 | | 1.304 | 1,324 | 67,158 | 0.020 |
| 2007 | 1,102 | | 1.350 | 1,488 | 71,897 | 0.021 |
| 2008 | 1,342 | | 1.404 | 1,884 | 74,955 | 0.025 |
| 2009 | 1,935 | | 1.460 | 2,824 | 77,831 | 0.036 |
| 2010 | 2,603 | | 1.518 | 3,952 | 84,047 | 0.047 |
| 2011 | 1,030 | | 1.587 | 1,634 | 80,441 | 0.020 |
| 2012 | 1,385 | | 1.666 | 2,308 | 75,531 | 0.031 |
| 2013 | 1,014 | | 1.749 | 1,774 | 74,599 | 0.024 |
| 2014 | 1,092 | | 1.846 | 2,016 | 79,498 | 0.025 |
| 2015 | 890 | | 1.956 | 1,742 | 79,710 | 0.022 |
| 2016 | 1,395 | | 2.106 | 2,938 | 78,664 | 0.037 |
| 2017 | 1,172 | | 2.959 | 3,467 | 81,051 | 0.043 |
| 2018 | 270 | | | 1,249 | 41,336 | 0.030 |
| TOTAL | \$57,227 | | | \$72,845 | | |

Notes:

(1), (4), (6) & (9) - Per CITY OF JACKSONVILLE.

(2) & (7) - Per City's historical loss patterns.

(3) = (1) x (2); (8) = (6) x (7). If ultimate incurred losses in (8) are less than the incurred losses in (1), we used the losses in (1).

For the most recent year, we used the Loss Rate Approach.

(5) = (3) / (4), (10) = (8) / (9). For the most recent year, it is the average of prior years.

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE LOSSES - BORNHUTTER-FERGUSON APPROACH
WORKERS' COMPENSATION - FIRE NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

BORNHUTTER-FERGUSON INCURRED LOSS APPROACH

| ACCIDENT YEAR* | ESTIMATED LOSS RATE (1) | PAYROLL (\$ '000s) (2) | EXPECTED ULTIMATE LOSSES (3) | EXPECTED % OF LOSSES UNREPORTED (4) | IBNR RESERVES (5) | INCURRED LOSSES @3/31/2018 (6) | ULTIMATE INCURRED LOSSES (7) |
|----------------|-------------------------|------------------------|------------------------------|-------------------------------------|-------------------|--------------------------------|------------------------------|
| 1978 | | N/A | 509 | 0.0% | 0 | \$509 | 509 |
| 1979 | | N/A | 657 | 0.0% | 0 | 657 | 657 |
| 1980 | | N/A | 745 | 0.0% | 0 | 745 | 745 |
| 1981 | | N/A | 815 | 0.0% | 0 | 815 | 815 |
| 1982 | | N/A | 687 | 0.0% | 0 | 687 | 687 |
| 1983 | | N/A | 368 | 0.0% | 0 | 368 | 368 |
| 1984 | | N/A | 949 | 0.0% | 0 | 1,043 | 1,043 |
| 1985 | | N/A | 861 | 0.0% | 0 | 860 | 860 |
| 1986 | | N/A | 897 | 0.0% | 0 | 902 | 902 |
| 1987 | | N/A | 1,318 | 0.0% | 0 | 1,316 | 1,316 |
| 1988 | | N/A | 1,908 | 0.0% | 0 | 1,914 | 1,914 |
| 1989 | | N/A | 4,098 | 0.0% | -1 | 4,187 | 4,186 |
| 1990 | | N/A | 585 | 0.1% | 1 | 589 | 590 |
| 1991 | | N/A | 1,470 | 0.3% | 5 | 1,505 | 1,510 |
| 1992 | | N/A | 1,898 | 0.5% | 10 | 1,942 | 1,942 |
| 1993 | | N/A | 1,101 | 0.8% | 9 | 1,084 | 1,093 |
| 1994 | | N/A | 2,205 | 1.2% | 27 | 2,231 | 2,258 |
| 1995 | | N/A | 419 | 1.8% | 8 | 408 | 415 |
| 1996 | | N/A | 816 | 2.4% | 19 | 862 | 881 |
| 1997 | | N/A | 2,165 | 2.7% | 58 | 2,253 | 2,310 |
| 1998 | | N/A | 1,238 | 3.0% | 37 | 1,175 | 1,212 |
| 1999 | | N/A | 3,151 | 3.9% | 124 | 3,269 | 3,393 |
| 2000 | | N/A | 1,511 | 7.0% | 106 | 1,382 | 1,488 |
| 2001 | 0.022 | 49,323 | 1,072 | 9.5% | 102 | 2,279 | 2,381 |
| 2002 | 0.023 | 51,475 | 1,162 | 10.4% | 121 | 2,785 | 2,905 |
| 2003 | 0.024 | 54,736 | 1,292 | 11.7% | 151 | 4,396 | 4,547 |
| 2004 | 0.024 | 56,264 | 1,376 | 13.0% | 179 | 1,996 | 2,175 |
| 2005 | 0.025 | 67,634 | 1,712 | 14.5% | 249 | 2,543 | 2,792 |
| 2006 | 0.026 | 67,158 | 1,758 | 16.2% | 285 | 1,028 | 1,312 |
| 2007 | 0.027 | 71,897 | 1,943 | 17.8% | 346 | 1,383 | 1,730 |
| 2008 | 0.028 | 74,955 | 2,089 | 19.4% | 406 | 1,496 | 1,902 |
| 2009 | 0.029 | 77,831 | 2,236 | 21.0% | 470 | 2,307 | 2,777 |
| 2010 | 0.030 | 84,047 | 2,486 | 22.6% | 561 | 3,198 | 3,760 |
| 2011 | 0.030 | 80,441 | 2,448 | 24.8% | 608 | 1,121 | 1,730 |
| 2012 | 0.031 | 75,531 | 2,363 | 27.7% | 655 | 1,661 | 2,317 |
| 2013 | 0.032 | 74,599 | 2,398 | 30.5% | 731 | 1,038 | 1,769 |
| 2014 | 0.033 | 79,498 | 2,628 | 33.2% | 872 | 1,234 | 2,106 |
| 2015 | 0.034 | 79,710 | 2,720 | 35.7% | 972 | 1,411 | 2,384 |
| 2016 | 0.035 | 78,664 | 2,752 | 38.2% | 1,052 | 1,920 | 2,972 |
| 2017 | 0.036 | 81,051 | 2,905 | 42.1% | 1,223 | 1,794 | 3,017 |
| 2018 | 0.037 | 41,336 | 1,517 | 65.6% | 995 | 833 | 1,828 |
| TOTAL | | | | | \$10,382 | \$65,125 | \$75,507 |

BORNHUTTER-FERGUSON PAID LOSS APPROACH

| ACCIDENT YEAR* | ESTIMATED LOSS RATE (8) | PAYROLL (\$ '000s) (9) | EXPECTED ULTIMATE LOSSES (10) | EXPECTED % OF LOSSES UNPAID (11) | LOSS RESERVES (12) | PAID LOSSES @3/31/2018 (13) | ULTIMATE INCURRED LOSSES (14) |
|----------------|-------------------------|------------------------|-------------------------------|----------------------------------|--------------------|-----------------------------|-------------------------------|
| 1978 | | | 509 | 0.0% | 0 | \$509 | 509 |
| 1979 | | | 657 | 0.0% | 0 | 657 | 657 |
| 1980 | | | 745 | 0.0% | 0 | 745 | 745 |
| 1981 | | | 815 | 0.0% | 0 | 815 | 815 |
| 1982 | | | 687 | 0.0% | 0 | 687 | 687 |
| 1983 | | | 368 | 0.0% | 0 | 368 | 368 |
| 1984 | | | 949 | 0.0% | 0 | 854 | 1,043 |
| 1985 | | | 861 | 0.0% | 0 | 860 | 861 |
| 1986 | | | 897 | 0.1% | 1 | 890 | 902 |
| 1987 | | | 1,318 | 0.2% | 3 | 1,316 | 1,319 |
| 1988 | | | 1,908 | 0.4% | 7 | 1,896 | 1,914 |
| 1989 | | | 4,098 | 0.5% | 20 | 3,991 | 4,187 |
| 1990 | | | 585 | 0.8% | 4 | 575 | 589 |
| 1991 | | | 1,470 | 1.2% | 18 | 1,412 | 1,505 |
| 1992 | | | 1,898 | 1.7% | 33 | 1,812 | 1,942 |
| 1993 | | | 1,101 | 2.2% | 24 | 1,084 | 1,108 |
| 1994 | | N/A | 2,205 | 2.8% | 62 | 2,091 | 2,231 |
| 1995 | | N/A | 419 | 3.6% | 15 | 408 | 423 |
| 1996 | | N/A | 816 | 4.5% | 37 | 714 | 862 |
| 1997 | | N/A | 2,165 | 5.6% | 122 | 1,902 | 2,253 |
| 1998 | | N/A | 1,238 | 7.1% | 88 | 1,175 | 1,263 |
| 1999 | | N/A | 3,151 | 8.7% | 274 | 2,647 | 3,269 |
| 2000 | | N/A | 1,511 | 10.5% | 159 | 1,374 | 1,533 |
| 2001 | 0.022 | 49,323 | 1,072 | 12.5% | 134 | 2,193 | 2,328 |
| 2002 | 0.023 | 51,475 | 1,162 | 14.5% | 169 | 2,541 | 2,785 |
| 2003 | 0.024 | 54,736 | 1,292 | 16.6% | 214 | 3,659 | 4,396 |
| 2004 | 0.024 | 56,264 | 1,376 | 18.8% | 259 | 1,785 | 2,044 |
| 2005 | 0.025 | 67,634 | 1,712 | 21.0% | 360 | 2,022 | 2,543 |
| 2006 | 0.026 | 67,158 | 1,758 | 23.3% | 410 | 1,015 | 1,425 |
| 2007 | 0.027 | 71,897 | 1,943 | 25.9% | 504 | 1,102 | 1,606 |
| 2008 | 0.028 | 74,955 | 2,089 | 28.8% | 601 | 1,342 | 1,943 |
| 2009 | 0.029 | 77,831 | 2,236 | 31.5% | 704 | 1,935 | 2,639 |
| 2010 | 0.030 | 84,047 | 2,486 | 34.1% | 849 | 2,603 | 3,452 |
| 2011 | 0.030 | 80,441 | 2,448 | 37.0% | 905 | 1,030 | 1,935 |
| 2012 | 0.031 | 75,531 | 2,363 | 40.0% | 945 | 1,385 | 2,330 |
| 2013 | 0.032 | 74,599 | 2,398 | 42.8% | 1,027 | 1,014 | 2,041 |
| 2014 | 0.033 | 79,498 | 2,628 | 45.8% | 1,204 | 1,092 | 2,297 |
| 2015 | 0.034 | 79,710 | 2,720 | 48.9% | 1,330 | 890 | 2,220 |
| 2016 | 0.035 | 78,664 | 2,752 | 52.5% | 1,445 | 1,395 | 2,840 |
| 2017 | 0.036 | 81,051 | 2,905 | 66.2% | 1,923 | 1,172 | 3,095 |
| 2018 | 0.037 | 41,336 | 1,517 | 89.0% | 1,350 | 270 | 1,620 |
| TOTAL | | | | | \$15,091 | \$57,227 | \$55,371 |

Notes:
(2), (6), (9) & (13) - Per CITY OF JACKSONVILLE.
(1) & (8) - Exhibit IV, Page 2, Columns (5) and (10). These Loss Rates are the selected based on Exhibit IV Page 2 loss rates.
(3) = (1) x (2); (10) = (8) x (9).
(4) = (1 - (1/ILDF)); (11) = (1 - (1/PLDF)).
(5) = (3) x (4); (12) = (10) x (11).
(7) = (5) + (6); (14) = (12) + (13). If ultimate incurred losses in (14) are less than the incurred losses in (6), we used the incurred losses in (6).
*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.
*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
SELECTION OF INTIAL LOSS RATE FOR BORNHUETTER-FERGUSON APPROACHES
WORKERS' COMPENSATION - FIRE NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT PERIODS | ULTIMATE LOSSES PER ILDA | ULTIMATE LOSSES PER PLDA | RETENTION | ADJUSTMENT TO CURRENT RETENTION | PAYROLL (IN \$000'S) | LOSS RATE AT CURRENT RETENTION | FITTED LOSS RATE | SELECTED INITIAL LOSS RATE ACTUAL RETENTION |
|---------------------|--------------------------|--------------------------|-----------|---------------------------------|----------------------|--------------------------------|------------------|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| 2000 | \$1,486 | \$1,536 | \$1,000 | 1.016 | N/A | | | |
| 2001 | 2,520 | 2,508 | 1,000 | 1.016 | 49,323 | 5.18% | 2.21% | 2.17% |
| 2002 | 3,107 | 2,972 | 1,000 | 1.016 | 51,475 | 6.00% | 2.29% | 2.26% |
| 2003 | 4,979 | 4,386 | 1,200 | 1.008 | 54,736 | 8.62% | 2.38% | 2.36% |
| 2004 | 2,294 | 2,198 | 1,200 | 1.008 | 56,264 | 4.02% | 2.47% | 2.45% |
| 2005 | 2,975 | 2,561 | 1,200 | 1.008 | 67,634 | 4.12% | 2.55% | 2.53% |
| 2006 | 1,226 | 1,324 | 1,200 | 1.008 | 67,158 | 1.91% | 2.64% | 2.62% |
| 2007 | 1,683 | 1,488 | 1,200 | 1.008 | 71,897 | 2.22% | 2.72% | 2.70% |
| 2008 | 1,857 | 1,884 | 1,200 | 1.008 | 74,955 | 2.52% | 2.81% | 2.79% |
| 2009 | 2,921 | 2,824 | 1,200 | 1.008 | 77,831 | 3.72% | 2.90% | 2.87% |
| 2010 | 4,131 | 3,952 | 1,200 | 1.008 | 84,047 | 4.85% | 2.98% | 2.96% |
| 2011 | 1,492 | 1,634 | 1,200 | 1.008 | 80,441 | 1.96% | 3.07% | 3.04% |
| 2012 | 2,299 | 2,308 | 1,200 | 1.008 | 75,531 | 3.07% | 3.15% | 3.13% |
| 2013 | 1,493 | 1,774 | 1,200 | 1.008 | 74,599 | 2.21% | 3.24% | 3.21% |
| 2014 | 1,847 | 2,016 | 1,250 | 1.006 | 79,498 | 2.44% | 3.33% | 3.31% |
| 2015 | 2,197 | 1,742 | 1,500 | 1.000 | 79,710 | 2.47% | 3.41% | 3.41% |
| 2016 | 3,108 | 2,938 | 1,500 | 1.000 | 78,664 | 3.84% | 3.50% | 3.50% |
| 2017 | 3,099 | 3,467 | 1,500 | 1.000 | 81,051 | 4.05% | 3.58% | 3.58% |
| 10/1/2017-3/31/2018 | 3,099 | 3,467 | 1,500 | 1.000 | 41,336 | 7.94% | 3.67% | 3.67% |
| 4/1/2018-9/30/2018 | | | 1,500 | 1.000 | 41,336 | | 3.67% | 3.67% |
| 2018 | | | | 1.000 | 84,326 | | 3.67% | 3.67% |

| | |
|------------------|-----------------|
| Average | 3.10% |
| Weighted Average | 3.10% |
| Selected | based on fitted |

Notes:

- (1) - Per Exhibit IV, Page 2, Column (3).
- (1) - Per Exhibit IV, Page 2, Column (8).
- (3) & (5) - Per CITY OF JACKSONVILLE.
- (4) & (7) - Per AMI calculation.
- (6) = [Average of (1) & (2)] x [(4)/(5)].
- (8) = (7)/(4).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - FIRE NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

| INCURRED LOSS DEVELOPMENT | | | | | | | | | |
|----------------------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | |
| | 264 | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 |
| 1978 | 511 | 511 | 500 | 502 | 502 | 503 | 516 | 518 | 483 |
| 1979 | 657 | 657 | 657 | 657 | 657 | 657 | 657 | 657 | 657 |
| 1980 | 936 | 894 | 894 | 894 | 894 | 894 | 894 | 894 | 894 |
| 1981 | 815 | 815 | 815 | 815 | 815 | 815 | 815 | 815 | 815 |
| 1982 | 687 | 687 | 687 | 687 | 687 | 687 | 687 | 687 | 687 |
| 1983 | 372 | 372 | 372 | 372 | 372 | 372 | 372 | 372 | 372 |
| 1984 | 895 | 995 | 995 | 995 | 1,107 | 1,107 | 1,182 | 1,182 | 1,183 |
| 1985 | 1,643 | 1,535 | 1,535 | 1,535 | 1,535 | 1,535 | 1,535 | 1,535 | 1,535 |
| 1986 | 887 | 887 | 893 | 893 | 893 | 907 | 908 | 916 | 916 |
| 1987 | 1,312 | 1,303 | 1,303 | 1,325 | 1,325 | 1,326 | 1,316 | 1,316 | 1,316 |
| 1988 | 1,880 | 1,885 | 1,910 | 1,910 | 1,910 | 1,914 | 1,914 | 1,914 | 1,914 |
| 1989 | 3,665 | 3,775 | 3,834 | 4,229 | 4,353 | 4,373 | 4,402 | 4,480 | |
| 1990 | 569 | 587 | 588 | 589 | 589 | 589 | 589 | | |
| 1991 | 1,375 | 1,495 | 1,495 | 1,505 | 1,505 | 1,505 | | | |
| 1992 | 1,784 | 1,791 | 1,920 | 1,920 | 1,920 | | | | |
| 1993 | 1,084 | 1,084 | 1,084 | 1,084 | | | | | |
| 1994 | 2,431 | 2,431 | 2,431 | | | | | | |
| 1995 | 408 | 408 | | | | | | | |
| 1996 | 820 | | | | | | | | |
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| 2017 | | | | | | | | | |

| LOSS DEVELOPMENT FACTORS | | | | | | | | | |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ACCIDENT YEAR* | 264 | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 |
| | TO |
| | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 | 372 |
| 1978 | 1.000 | 0.978 | 1.003 | 1.000 | 1.003 | 1.025 | 1.005 | 0.931 | 1.004 |
| 1979 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1980 | 0.955 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1981 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1982 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1983 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.988 |
| 1984 | 1.112 | 1.000 | 1.000 | 1.113 | 1.000 | 1.068 | 1.000 | 1.001 | 1.000 |
| 1985 | 0.935 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1986 | 1.000 | 1.006 | 1.000 | 1.000 | 1.016 | 1.001 | 1.008 | 1.000 | 1.000 |
| 1987 | 0.993 | 1.000 | 1.016 | 1.000 | 1.001 | 0.993 | 1.000 | 1.000 | 1.000 |
| 1988 | 1.003 | 1.013 | 1.000 | 1.000 | 1.002 | 1.000 | 1.000 | 1.000 | |
| 1989 | 1.030 | 1.016 | 1.103 | 1.029 | 1.004 | 1.007 | 1.018 | | |
| 1990 | 1.032 | 1.002 | 1.002 | 1.000 | 1.000 | 1.000 | | | |
| 1991 | 1.087 | 1.000 | 1.007 | 1.000 | 1.000 | | | | |
| 1992 | 1.004 | 1.072 | 1.000 | 1.000 | | | | | |
| 1993 | 1.000 | 1.000 | 1.000 | | | | | | |
| 1994 | 1.000 | 1.000 | | | | | | | |
| 1995 | 1.000 | | | | | | | | |
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| 2016 | | | | | | | | | |
| 10-YR AVERAGE | 1.015 | 1.011 | 1.013 | 1.014 | 1.002 | 1.007 | 1.003 | 1.000 | 0.999 |
| 5 YR AVG | 1.000 | 1.024 | 1.002 | 1.000 | 1.001 | 1.002 | 1.006 | 1.000 | 1.000 |
| 10-YR AVERAGE EXCL III LO | 1.009 | 1.005 | 1.003 | 1.004 | 1.001 | 1.001 | 1.001 | 1.000 | 1.000 |
| 5 YR AVG X HI/LO | 1.001 | 1.001 | 1.003 | 1.000 | 1.001 | 1.000 | 1.003 | 1.000 | 1.000 |
| PRIOR SELECTED (9/30/2017) | 1.006 | 1.006 | 1.005 | 1.004 | 1.002 | 1.002 | 1.002 | 1.000 | 1.000 |
| FACTORS FROM TAIL FACTOR STUDY | 1.005 | 1.005 | 1.004 | 1.004 | 1.004 | 1.004 | 1.003 | 1.003 | 1.003 |
| SELECTED | 1.006 | 1.006 | 1.005 | 1.004 | 1.002 | 1.002 | 1.002 | 1.000 | 1.000 |
| CUMULATIVE | 1.027 | 1.021 | 1.015 | 1.010 | 1.006 | 1.004 | 1.002 | 1.000 | 1.000 |

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - FIRE NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

INCURRED LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | |
|----------------|--------------------|-------|-------|-------|-----|-----|-----|
| | 372 | 384 | 396 | 408 | 420 | 432 | 444 |
| 1978 | 485 | 518 | 518 | 616 | 616 | 508 | 509 |
| 1979 | 657 | 657 | 657 | 657 | 657 | 657 | 657 |
| 1980 | 894 | 894 | 894 | 894 | 894 | 894 | 894 |
| 1981 | 815 | 815 | 815 | 815 | 815 | 815 | 815 |
| 1982 | 687 | 687 | 687 | 687 | 687 | 687 | 687 |
| 1983 | 368 | 368 | 368 | 368 | 368 | | |
| 1984 | 1,183 | 1,183 | 1,183 | 1,183 | | | |
| 1985 | 1,535 | 1,535 | 1,535 | | | | |
| 1986 | 916 | 916 | | | | | |
| 1987 | 1,316 | | | | | | |
| 1988 | | | | | | | |
| 1989 | | | | | | | |
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LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 372 | 384 | 396 | 408 | 420 | 432 | 444 |
|---------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO |
| | 384 | 396 | 408 | 420 | 432 | 444 | ULT |
| 1978 | 1.068 | 1.000 | 1.190 | 1.000 | 0.825 | 1.001 | |
| 1979 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1980 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1981 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1982 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1983 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 1984 | 1.000 | 1.000 | 1.000 | | | | |
| 1985 | 1.000 | 1.000 | | | | | |
| 1986 | 1.000 | | | | | | |
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| 2015 | | | | | | | |
| 2016 | | | | | | | |
| 10-YR AVERAGE | | | | | | | |
| 3 YR AVG. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 10-YR AVERAGE EXCL HI LO | | | | | | | |
| 5 YR AVG X HI LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| PRIOR SELECTED (9/30/2017) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| FACTORS FROM TAIL FACTOR STUDY | 1.000 |
| SELECTED | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CUMULATIVE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - FIRE NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

PAID LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | |
|-------------------|--------------------|-------|-------|-----|-----|-----|-----|
| | 372 | 384 | 396 | 408 | 420 | 432 | 444 |
| 1978 | 472 | 478 | 488 | 497 | 505 | 508 | 509 |
| 1979 | 657 | 657 | 657 | 657 | 657 | 657 | 657 |
| 1980 | 894 | 894 | 894 | 894 | 894 | 894 | 894 |
| 1981 | 815 | 815 | 815 | 815 | 815 | 815 | 815 |
| 1982 | 687 | 687 | 687 | 687 | 687 | 687 | 687 |
| 1983 | 368 | 368 | 368 | 368 | 368 | 368 | 368 |
| 1984 | 942 | 956 | 972 | 988 | 368 | | |
| 1985 | 1,535 | 1,535 | 1,535 | | | | |
| 1986 | 904 | 904 | | | | | |
| 1987 | 1,316 | | | | | | |
| 1988 | | | | | | | |
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| 2016 | | | | | | | |
| 2017 | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 372 | 384 | 396 | 408 | 420 | 432 | 444 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|
| | TO |
| | 384 | 396 | 408 | 420 | 432 | 444 | ULT |
| 1978 | 1.014 | 1.020 | 1.018 | 1.016 | 1.008 | 1.001 | |
| 1979 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1980 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1981 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1982 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1983 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1984 | 1.015 | 1.016 | 1.017 | | | | |
| 1985 | 1.000 | 1.000 | | | | | |
| 1986 | 1.000 | | | | | | |
| 1987 | | | | | | | |
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| 2014 | | | | | | | |
| 2015 | | | | | | | |
| 2016 | | | | | | | |
| 10-YR AVERAGE | | | | | | | |
| 3 YR AVG | 1.005 | 1.005 | 1.006 | 1.000 | 1.000 | 1.000 | |
| 10-YR AVERAGE EXCL HI LO | | | | | | | |
| 5 YR AVG X HI/LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| PRIOR SELECTED (9/30/2017) | 1.001 | 1.001 | 1.001 | 1.000 | 1.000 | 1.000 | |
| FACTORS FROM TAIL FACTOR STUDY | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| SELECTED | 1.001 | 1.001 | 1.001 | 1.000 | 1.000 | 1.000 | |
| CUMULATIVE | 1.003 | 1.002 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 |

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE REPORTED CLAIM COUNT DEVELOPMENT FACTORS
WORKERS' COMPENSATION - FIRE NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
UNLIMITED LOSSES

REPORTED CLAIM COUNT DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | | | | |
|-------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 | 288 | 300 |
| 1978 | 5,318 | 5,318 | 5,318 | 5,318 | 5,318 | 5,318 | 5,318 | 5,319 | 5,317 | 5,317 | 5,317 | 5,317 | 5,317 |
| 1994 | 289 | 289 | 289 | 289 | 289 | 289 | 289 | 288 | 288 | 288 | 288 | 288 | 288 |
| 1995 | 390 | 390 | 390 | 390 | 390 | 390 | 390 | 390 | 390 | 390 | 390 | | |
| 1996 | 339 | 339 | 339 | 339 | 339 | 339 | 339 | 339 | 339 | 339 | 339 | | |
| 1997 | 356 | 356 | 356 | 356 | 356 | 356 | 356 | 356 | 356 | | | | |
| 1998 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | | | | |
| 1999 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | 336 | | | | | |
| 2000 | 334 | 333 | 333 | 333 | 333 | 333 | | | | | | | |
| 2001 | 351 | 351 | 351 | 351 | 351 | | | | | | | | |
| 2002 | 263 | 263 | 263 | 263 | | | | | | | | | |
| 2003 | 272 | 273 | 273 | | | | | | | | | | |
| 2004 | 266 | 266 | | | | | | | | | | | |
| 2005 | 418 | | | | | | | | | | | | |
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| 2016 | | | | | | | | | | | | | |
| 2017 | | | | | | | | | | | | | |

CLAIM COUNT DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 | 288 | 300 |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------|
| | TO | TO |
| | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 | 288 | 300 | ULT. |
| 1978 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1994 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.997 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1995 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| 1996 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | |
| 1997 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | |
| 1998 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | |
| 1999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | |
| 2000 | 0.997 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | |
| 2001 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | | |
| 2002 | 1.000 | 1.000 | 1.000 | | | | | | | | | | |
| 2003 | 1.004 | 1.000 | | | | | | | | | | | |
| 2004 | 1.000 | | | | | | | | | | | | |
| 2005 | | | | | | | | | | | | | |
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| 2014 | | | | | | | | | | | | | |
| 2015 | | | | | | | | | | | | | |
| 2016 | | | | | | | | | | | | | |
| AVERAGE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 3 YR AVG. | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| EXCL HI LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 5 YR AVG X HI/LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| PRIOR SELECTED (9/30/2017) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| SELECTED | 1.000 | |
| CUMULATIVE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE CLAIM FREQUENCY AND ULTIMATE CLAIM SEVERITY
WORKERS' COMPENSATION - FIRE NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
LIMITED TO RETENTION

| ACCIDENT YEARS* | CLAIMS REPORTED | DEVELOPMENT | ULTIMATE | ULTIMATE | PAYROLL | NUMBER OF | AVERAGE |
|---------------------|--------------------|-------------|----------------|---------------|-----------|--|--|
| | @3/31/2018 | FACTORS | CLAIM COUNT | LOSS | (\$000'S) | CLAIMS PER \$MM OF PAYROLL (FREQUENCY) | CLAIM (SEVERITY) (WHOLE DOLLARS) |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 2004 | 266 | 1.000 | 266 | 2,178 | 56,264 | 4.7 | \$8,189 |
| 2005 | 418 | 1.000 | 418 | 2,717 | 67,634 | 6.2 | 6,502 |
| 2006 | 367 | 1.000 | 367 | 1,322 | 67,158 | 5.5 | 3,603 |
| 2007 | 380 | 1.000 | 380 | 1,627 | 71,897 | 5.3 | 4,281 |
| 2008 | 268 | 1.000 | 268 | 1,896 | 74,955 | 3.6 | 7,077 |
| 2009 | 426 | 1.000 | 426 | 2,790 | 77,831 | 5.5 | 6,551 |
| 2010 | 344 | 1.000 | 344 | 3,824 | 84,047 | 4.1 | 11,118 |
| 2011 | 366 | 1.000 | 366 | 1,697 | 80,441 | 4.5 | 4,639 |
| 2012 | 290 | 1.000 | 290 | 2,313 | 75,531 | 3.8 | 7,979 |
| 2013 | 328 | 1.000 | 328 | 1,769 | 74,599 | 4.4 | 5,395 |
| 2014 | 303 | 1.000 | 303 | 2,067 | 79,498 | 3.8 | 6,822 |
| 2015 | 398 | 1.000 | 398 | 2,136 | 79,710 | 5.0 | 5,367 |
| 2016 | 283 | 1.000 | 283 | 2,964 | 78,664 | 3.6 | 10,477 |
| 2017 | 238 | 1.011 | 241 | 3,170 | 81,051 | 3.0 | 13,169 |
| 10/1/2017-3/31/2018 | 102 | | 153 | 3,170 | 41,336 | 3.7 | 20,708 |
| TOTAL | 3,756 | | 3,755 | 24,200 | | | |

Notes:

- (1) & (5) - Per CITY OF JACKSONVILLE.
 - (2) - Per CITY OF JACKSONVILLE's historical loss patterns.
 - (3) = (1) x (2). For the most recent year, we used the average of prior years.
 - (4) = Exhibit IV, Page 1, Column (5).
 - (6) = [(3) / (5)] x 1000.
 - (7) = [(4) / (3)] x 1000.
- *Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF PROJECTED LOSSES
WORKERS' COMPENSATION - FIRE NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEAR* | SELECTED ULTIMATE LOSSES | RETENTION LIMIT | PAYROLL (IN \$000'S) | LOSS RATE |
|--------------------------------------|--------------------------|-----------------|----------------------|-----------|
| | (1) | (2) | (3) | (4) |
| 1978 | 509 | 500 | N/A | |
| 1979 | 657 | 500 | N/A | |
| 1980 | 745 | 500 | N/A | |
| 1981 | 815 | 1000 | N/A | |
| 1982 | 687 | 1000 | N/A | |
| 1983 | 368 | 250 | N/A | |
| 1984 | 996 | 250 | N/A | |
| 1985 | 861 | 250 | N/A | |
| 1986 | 899 | 250 | N/A | |
| 1987 | 1,318 | 1000 | N/A | |
| 1988 | 1,911 | 1000 | N/A | |
| 1989 | 4,142 | 1000 | N/A | |
| 1990 | 587 | 1000 | N/A | |
| 1991 | 1,489 | 1000 | N/A | |
| 1992 | 1,923 | 1000 | N/A | |
| 1993 | 1,101 | 1000 | N/A | |
| 1994 | 2,225 | 1,000 | N/A | |
| 1995 | 419 | 1,000 | N/A | |
| 1996 | 844 | 1,000 | N/A | |
| 1997 | 2,223 | 1,000 | N/A | |
| 1998 | 1,238 | 1,000 | N/A | |
| 1999 | 3,241 | 1,000 | N/A | |
| 2000 | 1,511 | 1,000 | N/A | |
| 2001 | 2,434 | 1,000 | 49,323 | 0.049 |
| 2002 | 2,942 | 1,000 | 51,475 | 0.057 |
| 2003 | 4,577 | 1,200 | 54,736 | 0.084 |
| 2004 | 2,178 | 1,200 | 56,264 | 0.039 |
| 2005 | 2,717 | 1,200 | 67,634 | 0.040 |
| 2006 | 1,322 | 1,200 | 67,158 | 0.020 |
| 2007 | 1,627 | 1,200 | 71,897 | 0.023 |
| 2008 | 1,896 | 1,200 | 74,955 | 0.025 |
| 2009 | 2,790 | 1,200 | 77,831 | 0.036 |
| 2010 | 3,824 | 1,200 | 84,047 | 0.045 |
| 2011 | 1,697 | 1,200 | 80,441 | 0.021 |
| 2012 | 2,313 | 1,200 | 75,531 | 0.031 |
| 2013 | 1,769 | 1,200 | 74,599 | 0.024 |
| 2014 | 2,067 | 1,250 | 79,498 | 0.026 |
| 2015 | 2,136 | 1,250 | 79,710 | 0.027 |
| 2016 | 2,964 | 1,250 | 78,664 | 0.038 |
| 2017 | 3,170 | 1,250 | 81,051 | 0.039 |
| 10/1/2017-3/31/2018 | 1,481 | 1,250 | 41,336 | 0.036 |
| (PROJ.) 4/1/2018 to 9/30/2018 | 1,306 | 1,250 | 41,336 | 0.032 |
| (PROJ.) 2018/2019 | 2,667 | 1,250 | 84,326 | 0.032 |
| (PROJ.) 2019/2020 | 2,724 | 1,250 | 86,012 | 0.032 |
| (PROJ.) 2020/2021 | 2,782 | 1,250 | 87,732 | 0.032 |
| (PROJ.) 2021/2022 | 2,841 | 1,250 | 89,487 | 0.032 |
| (PROJ.) 2022/2023 | 2,901 | 1,250 | 91,277 | 0.032 |

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEAR | 55% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (9) | (10) |
| (PROJ.) 4/1/2018 to 9/30/2018 | 1,306 | 1,449 | 1,497 | 1,551 | 1,609 | 1,697 |
| 2018/2019 | 2,667 | 2,959 | 3,057 | 3,169 | 3,287 | 3,466 |
| 2019/2020 | 2,724 | 3,022 | 3,122 | 3,236 | 3,357 | 3,539 |
| 2020/2021 | 2,782 | 3,086 | 3,188 | 3,305 | 3,428 | 3,614 |
| 2021/2022 | 2,841 | 3,152 | 3,256 | 3,375 | 3,501 | 3,691 |
| 2022/2023 | 2,901 | 3,219 | 3,325 | 3,446 | 3,575 | 3,770 |

Notes:

(1) - Exhibit IV, Page 1, Column (5). For the projection years (1) = (3) x (4).

(2) & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) / (3). For the projected year, it is selected based on prior years.

(5) = Projected losses in Column (1).

(6) to (10) - Based on Monte Carlo Simulation Approach.

**Retention for 1993 and Prior

| Effective Date | Retention |
|----------------|-----------|
| 10/1/1977 | 500 |
| 10/1/1980 | 1,000 |
| 10/1/1982 | 250 |
| 11/1/1986 | 1,000 |
| 10/1/2002 | 1,200 |

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
ANALYSIS OF RESERVE CHANGE
WORKERS' COMPENSATION - FIRE NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| | |
|---|------------------|
| 1. Estimated net undiscounted reserves at 9/30/2017 | \$15,746 |
| 2. Loss payments during 10/1/2017 -3/31/2018 for the accident period 9/30/2017 and prior | (\$1,132) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018 | \$1,559 |
| 4. Estimated ultimate losses for the period 10/1/2017-3/31/2018 | \$1,481 |
| 5. Loss payments during 10/1/2017 -3/31/2018 for the accident period 10/1/2017 -3/31/2018 | (\$270) |
| 6. Estimated net undiscounted reserves at 3/31/2018 | \$17,385 |

Notes:

- (1) - Per AMI Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit IV, Page 8C, Column (3).
- (3) - Total from Exhibit IV, Page 8B, Column (3).
- (4) - See Exhibit IV, Page 1, Column (5), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - FIRE NON-HEART & HYPERTENSION CLAIMS
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$21,048 | \$21,231 | 183 |
| 1995 | 421 | 419 | (2) |
| 1996 | 812 | 844 | 32 |
| 1997 | 2,173 | 2,223 | 50 |
| 1998 | 1,245 | 1,238 | (7) |
| 1999 | 3,243 | 3,241 | (2) |
| 2000 | 1,538 | 1,511 | (28) |
| 2001 | 2,459 | 2,434 | (25) |
| 2002 | 2,949 | 2,942 | (7) |
| 2003 | 4,577 | 4,577 | 0 |
| 2004 | 2,204 | 2,178 | (27) |
| 2005 | 2,732 | 2,717 | (15) |
| 2006 | 1,344 | 1,322 | (23) |
| 2007 | 1,636 | 1,627 | (9) |
| 2008 | 1,900 | 1,896 | (4) |
| 2009 | 2,751 | 2,790 | 39 |
| 2010 | 3,808 | 3,824 | 16 |
| 2011 | 1,689 | 1,697 | 9 |
| 2012 | 2,203 | 2,313 | 110 |
| 2013 | 1,736 | 1,769 | 33 |
| 2014 | 2,022 | 2,067 | 44 |
| 2015 | 2,080 | 2,136 | 56 |
| 2016 | 2,673 | 2,964 | 291 |
| 2017 | 2,327 | 3,170 | 842 |
| TOTAL | \$71,571 | \$73,130 | 1,559 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit IV, Page 1, Column (5).

(3) = (2) - (1).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - FIRE NON-HEART & HYPERTENSION CLAIMS
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|-----------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$20,382 | \$20,561 | \$180 |
| 1995 | 408 | 408 | 0 |
| 1996 | 709 | 714 | 6 |
| 1997 | 1,874 | 1,902 | 29 |
| 1998 | 1,175 | 1,175 | 0 |
| 1999 | 2,591 | 2,647 | 56 |
| 2000 | 1,373 | 1,374 | 1 |
| 2001 | 2,193 | 2,193 | 1 |
| 2002 | 2,530 | 2,541 | 11 |
| 2003 | 3,618 | 3,659 | 41 |
| 2004 | 1,780 | 1,785 | 5 |
| 2005 | 2,014 | 2,022 | 7 |
| 2006 | 1,014 | 1,015 | 1 |
| 2007 | 1,077 | 1,102 | 25 |
| 2008 | 1,316 | 1,342 | 26 |
| 2009 | 1,924 | 1,935 | 10 |
| 2010 | 2,563 | 2,603 | 40 |
| 2011 | 1,009 | 1,030 | 20 |
| 2012 | 1,360 | 1,385 | 25 |
| 2013 | 1,012 | 1,014 | 2 |
| 2014 | 1,091 | 1,092 | 1 |
| 2015 | 883 | 890 | 7 |
| 2016 | 1,276 | 1,395 | 119 |
| 2017 | 654 | 1,172 | 518 |
| TOTAL | \$55,825 | \$56,957 | \$1,132 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit IV, Page 1, Column (6).

(3) = (2) - (1).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF TOTAL RESERVES
WORKERS' COMPENSATION - OTHER CITY NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

ALL APPROACHES COMBINED

| ACCIDENT YEAR* | ILDA ULTIMATE LOSSES | PLDA ULTIMATE LOSSES | BFILA ULTIMATE LOSSES | BFPLA ULTIMATE LOSSES | SELECTED ULTIMATE LOSSES | PAID LOSSES @3/31/2018 | LOSS RESERVES @3/31/2018 |
|----------------|----------------------|----------------------|-----------------------|-----------------------|--------------------------|------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 1978 and Prior | 426 | 426 | 426 | 426 | 426 | 410 | 16 |
| 1979 | 902 | 902 | 902 | 902 | 902 | 902 | 0 |
| 1980 | 2,945 | 2,945 | 2,945 | 2,945 | 2,945 | 2,945 | 0 |
| 1981 | 2,118 | 2,077 | 2,118 | 2,118 | 2,108 | 2,067 | 41 |
| 1982 | 2,136 | 2,081 | 2,136 | 2,135 | 2,122 | 2,060 | 62 |
| 1983 | 1,458 | 1,466 | 1,458 | 1,466 | 1,462 | 1,449 | 13 |
| 1984 | 4,419 | 4,463 | 4,419 | 4,462 | 4,441 | 4,408 | 33 |
| 1985 | 1,906 | 1,882 | 1,906 | 1,899 | 1,898 | 1,857 | 41 |
| 1986 | 1,425 | 1,439 | 1,425 | 1,439 | 1,432 | 1,419 | 13 |
| 1987 | 2,964 | 2,992 | 2,965 | 2,992 | 2,978 | 2,948 | 30 |
| 1988 | 4,961 | 4,978 | 4,961 | 4,978 | 4,969 | 4,900 | 69 |
| 1989 | 2,469 | 2,480 | 2,469 | 2,480 | 2,475 | 2,439 | 35 |
| 1990 | 4,420 | 4,432 | 4,420 | 4,432 | 4,426 | 4,356 | 70 |
| 1991 | 3,417 | 3,408 | 3,417 | 3,408 | 3,412 | 3,348 | 65 |
| 1992 | 3,564 | 3,447 | 3,564 | 3,537 | 3,528 | 3,383 | 145 |
| 1993 | 2,705 | 2,541 | 2,705 | 2,682 | 2,658 | 2,490 | 168 |
| 1994 | 1,884 | 1,909 | 1,884 | 1,908 | 1,896 | 1,864 | 32 |
| 1995 | 1,249 | 1,271 | 1,249 | 1,270 | 1,260 | 1,232 | 28 |
| 1996 | 2,247 | 2,295 | 2,247 | 2,294 | 2,271 | 2,210 | 61 |
| 1997 | 1,289 | 1,322 | 1,289 | 1,321 | 1,305 | 1,264 | 42 |
| 1998 | 1,336 | 1,375 | 1,336 | 1,374 | 1,355 | 1,305 | 50 |
| 1999 | 1,781 | 1,721 | 1,781 | 1,736 | 1,755 | 1,622 | 133 |
| 2000 | 1,673 | 1,736 | 1,674 | 1,734 | 1,704 | 1,625 | 79 |
| 2001 | 2,227 | 2,296 | 2,229 | 2,294 | 2,261 | 2,134 | 128 |
| 2002 | 2,537 | 2,486 | 2,536 | 2,488 | 2,512 | 2,291 | 220 |
| 2003 | 1,750 | 1,836 | 1,752 | 1,832 | 1,792 | 1,675 | 117 |
| 2004 | 1,697 | 1,790 | 1,676 | 1,739 | 1,726 | 1,614 | 111 |
| 2005 | 1,830 | 1,848 | 1,811 | 1,809 | 1,825 | 1,645 | 179 |
| 2006 | 1,332 | 1,351 | 1,350 | 1,384 | 1,354 | 1,186 | 168 |
| 2007 | 1,159 | 1,242 | 1,204 | 1,315 | 1,230 | 1,075 | 155 |
| 2008 | 1,772 | 1,708 | 1,788 | 1,746 | 1,753 | 1,459 | 294 |
| 2009 | 2,949 | 2,893 | 2,875 | 2,784 | 2,875 | 2,436 | 439 |
| 2010 | 1,680 | 1,532 | 1,752 | 1,663 | 1,657 | 1,272 | 385 |
| 2011 | 1,177 | 1,253 | 1,355 | 1,489 | 1,319 | 1,024 | 295 |
| 2012 | 3,518 | 3,565 | 3,349 | 3,328 | 3,440 | 2,865 | 575 |
| 2013 | 2,271 | 2,405 | 2,277 | 2,384 | 2,334 | 1,891 | 444 |
| 2014 | 2,117 | 2,288 | 2,144 | 2,283 | 2,208 | 1,741 | 467 |
| 2015 | 2,625 | 2,765 | 2,577 | 2,650 | 2,654 | 1,896 | 758 |
| 2016 | 2,519 | 2,594 | 2,517 | 2,559 | 2,547 | 1,491 | 1,056 |
| 2017 | 2,251 | 2,751 | 2,363 | 2,670 | 2,509 | 981 | 1,528 |
| 2018 | 1,232 | 1,352 | 1,768 | 1,448 | 1,450 | 259 | 1,191 |
| TOTAL | \$90,338 | \$91,542 | \$91,020 | \$91,805 | \$91,176 | \$81,439 | \$9,738 |

Notes:

- (1), (2), (3) & (4) - Ultimate incurred losses calculated from Exhibit V, Pages 2 and 3.
- (5) = Selected based on (1), (2), (3) & (4).
- (6) - Per CITY OF JACKSONVILLE.
- (7) = (5) - (6).
- *Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.
- *Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE LOSSES- LOSS DEVELOPMENT APPROACH
WORKERS' COMPENSATION - OTHER CITY NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

INCURRED LOSS DEVELOPMENT APPROACH

| ACCIDENT YEAR* | INCURRED LOSSES @ 3/31/2018 | LARGE LOSSES EXCLUDED FROM DEVELOPMENT | LOSS DEVELOPMENT FACTORS | ULTIMATE INCURRED LOSSES | PAYROLL (IN \$000'S) | ESTIMATED LOSS RATE |
|----------------|-----------------------------|--|--------------------------|--------------------------|----------------------|---------------------|
| | (1) | (1A) | (2) | (3) | (4) | (5) |
| 1978 and Prior | 426 | | 1.000 | 426 | N/A | |
| 1979 | 902 | | 1.000 | 902 | N/A | |
| 1980 | 2,945 | | 1.000 | 2,945 | N/A | |
| 1981 | 2,118 | | 1.000 | 2,118 | N/A | |
| 1982 | 2,135 | | 1.001 | 2,136 | N/A | |
| 1983 | 1,456 | | 1.002 | 1,458 | N/A | |
| 1984 | 4,408 | | 1.003 | 4,419 | N/A | |
| 1985 | 1,899 | | 1.004 | 1,906 | N/A | |
| 1986 | 1,419 | | 1.005 | 1,425 | N/A | |
| 1987 | 2,948 | | 1.006 | 2,964 | N/A | |
| 1988 | 4,930 | | 1.006 | 4,961 | N/A | |
| 1989 | 2,453 | | 1.007 | 2,469 | N/A | |
| 1990 | 4,391 | | 1.007 | 4,420 | N/A | |
| 1991 | 3,393 | | 1.007 | 3,417 | N/A | |
| 1992 | 3,537 | | 1.008 | 3,564 | N/A | |
| 1993 | 2,682 | | 1.008 | 2,705 | N/A | |
| 1994 | 1,864 | | 1.011 | 1,884 | N/A | |
| 1995 | 1,232 | | 1.014 | 1,249 | N/A | |
| 1996 | 2,210 | | 1.017 | 2,247 | N/A | |
| 1997 | 1,264 | | 1.020 | 1,289 | N/A | |
| 1998 | 1,305 | | 1.023 | 1,336 | N/A | |
| 1999 | 1,736 | | 1.026 | 1,781 | N/A | |
| 2000 | 1,625 | | 1.029 | 1,673 | N/A | |
| 2001 | 2,155 | | 1.034 | 2,227 | N/A | |
| 2002 | 2,442 | | 1.039 | 2,537 | N/A | |
| 2003 | 1,675 | | 1.045 | 1,750 | N/A | |
| 2004 | 1,614 | | 1.051 | 1,697 | 159,436 | 0.011 |
| 2005 | 1,729 | | 1.059 | 1,830 | 169,833 | 0.011 |
| 2006 | 1,247 | | 1.068 | 1,332 | 169,448 | 0.008 |
| 2007 | 1,075 | | 1.078 | 1,159 | 172,338 | 0.007 |
| 2008 | 1,622 | | 1.092 | 1,772 | 175,789 | 0.010 |
| 2009 | 2,656 | | 1.111 | 2,949 | 184,392 | 0.016 |
| 2010 | 1,487 | | 1.130 | 1,680 | 180,592 | 0.009 |
| 2011 | 1,024 | | 1.150 | 1,177 | 187,761 | 0.006 |
| 2012 | 3,005 | | 1.171 | 3,518 | 164,250 | 0.021 |
| 2013 | 1,906 | | 1.192 | 2,271 | 152,157 | 0.015 |
| 2014 | 1,741 | | 1.216 | 2,117 | 142,034 | 0.015 |
| 2015 | 2,075 | | 1.265 | 2,625 | 142,034 | 0.018 |
| 2016 | 1,936 | | 1.301 | 2,519 | 142,034 | 0.018 |
| 2017 | 1,574 | | 1.430 | 2,251 | 142,034 | 0.016 |
| 2018 | 1,047 | | | 1,232 | 71,017 | 0.017 |
| TOTAL | \$85,289 | | | \$90,338 | | |

PAID LOSS DEVELOPMENT APPROACH

| ACCIDENT YEAR* | PAID LOSSES @ 3/31/2018 | LARGE LOSSES EXCLUDED FROM DEVELOPMENT | LOSS DEVELOPMENT FACTORS | ULTIMATE INCURRED LOSSES | PAYROLL (IN \$000'S) | ESTIMATED LOSS RATE |
|----------------|-------------------------|--|--------------------------|--------------------------|----------------------|---------------------|
| | (6) | (6A) | (7) | (8) | (9) | (10) |
| 1978 and Prior | 410 | | 1.000 | 426 | N/A | |
| 1979 | 902 | | 1.000 | 902 | N/A | |
| 1980 | 2,945 | | 1.000 | 2,945 | N/A | |
| 1981 | 2,067 | | 1.005 | 2,077 | N/A | |
| 1982 | 2,060 | | 1.011 | 2,081 | N/A | |
| 1983 | 1,449 | | 1.011 | 1,466 | N/A | |
| 1984 | 4,408 | | 1.012 | 4,463 | N/A | |
| 1985 | 1,857 | | 1.013 | 1,882 | N/A | |
| 1986 | 1,419 | | 1.014 | 1,439 | N/A | |
| 1987 | 2,948 | | 1.015 | 2,992 | N/A | |
| 1988 | 4,900 | | 1.016 | 4,978 | N/A | |
| 1989 | 2,439 | | 1.017 | 2,480 | N/A | |
| 1990 | 4,356 | | 1.017 | 4,432 | N/A | |
| 1991 | 3,348 | | 1.018 | 3,408 | N/A | |
| 1992 | 3,383 | | 1.019 | 3,447 | N/A | |
| 1993 | 2,490 | | 1.020 | 2,541 | N/A | |
| 1994 | 1,864 | | 1.024 | 1,909 | N/A | |
| 1995 | 1,232 | | 1.031 | 1,271 | N/A | |
| 1996 | 2,210 | | 1.039 | 2,295 | N/A | |
| 1997 | 1,264 | | 1.046 | 1,322 | N/A | |
| 1998 | 1,305 | | 1.053 | 1,375 | N/A | |
| 1999 | 1,622 | | 1.061 | 1,721 | N/A | |
| 2000 | 1,625 | | 1.068 | 1,736 | N/A | |
| 2001 | 2,134 | | 1.076 | 2,296 | N/A | |
| 2002 | 2,291 | | 1.085 | 2,486 | N/A | |
| 2003 | 1,675 | | 1.096 | 1,836 | N/A | |
| 2004 | 1,614 | | 1.109 | 1,790 | 159,436 | 0.011 |
| 2005 | 1,645 | | 1.123 | 1,848 | 169,833 | 0.011 |
| 2006 | 1,186 | | 1.139 | 1,351 | 169,448 | 0.008 |
| 2007 | 1,075 | | 1.155 | 1,242 | 172,338 | 0.007 |
| 2008 | 1,459 | | 1.171 | 1,708 | 175,789 | 0.010 |
| 2009 | 2,436 | | 1.187 | 2,893 | 184,392 | 0.016 |
| 2010 | 1,272 | | 1.205 | 1,532 | 180,592 | 0.008 |
| 2011 | 1,024 | | 1.224 | 1,253 | 187,761 | 0.007 |
| 2012 | 2,865 | | 1.245 | 3,565 | 164,250 | 0.022 |
| 2013 | 1,891 | | 1.272 | 2,405 | 152,157 | 0.016 |
| 2014 | 1,741 | | 1.314 | 2,288 | 142,034 | 0.016 |
| 2015 | 1,896 | | 1.458 | 2,765 | 142,034 | 0.019 |
| 2016 | 1,491 | | 1.740 | 2,594 | 142,034 | 0.018 |
| 2017 | 981 | | 2.804 | 2,751 | 142,034 | 0.019 |
| 2018 | 259 | | | 1,352 | 71,017 | 0.019 |
| TOTAL | \$81,439 | | | \$91,542 | | |

Notes:

(1), (4), (6) & (9) - Per CITY OF JACKSONVILLE.

(2) & (7) - Per City's historical loss patterns.

(3) = (1) x (2); (8) = (6) x (7). If ultimate incurred losses in (8) are less than the incurred losses in (1), we used the losses in (1).

For the most recent year, we used the Loss Rate Approach.

(5) = (3) / (4), (10) = (8) / (9). For the most recent year, it is the average of prior years.

* Accident years prior to 2018 are 12-month periods ending 9/30 of the started year.

* Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
SELECTION OF INITIAL LOSS RATE FOR BORNHUTTER-FERGUSON APPROACHES
WORKERS' COMPENSATION - OTHER CITY NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT PERIODS | ULTIMATE LOSSES PER ILDA | ULTIMATE LOSSES PER PLDA | RETENTION | ADJUSTMENT TO CURRENT RETENTION | PAYROLL (IN \$000'S) | LOSS RATE AT CURRENT RETENTION | FITTED LOSS RATE | SELECTED INITIAL LOSS RATE ACTUAL RETENTION |
|---------------------------|--------------------------|--------------------------|-----------|---------------------------------|----------------------|--------------------------------|------------------|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| 2000 | \$1,673 | \$1,736 | \$1,000 | 1.016 | N/A | | | |
| 2001 | 2,227 | 2,296 | 1,000 | 1.016 | N/A | | | |
| 2002 | 2,537 | 2,486 | 1,000 | 1.016 | N/A | | | |
| 2003 | 1,750 | 1,836 | 1,200 | 1.008 | N/A | | | |
| 2004 | 1,697 | 1,790 | 1,200 | 1.008 | 159,436 | 1.10% | 0.81% | 0.80% |
| 2005 | 1,830 | 1,848 | 1,200 | 1.008 | 169,833 | 1.09% | 0.89% | 0.88% |
| 2006 | 1,332 | 1,351 | 1,200 | 1.008 | 169,448 | 0.80% | 0.97% | 0.96% |
| 2007 | 1,159 | 1,242 | 1,200 | 1.008 | 172,338 | 0.70% | 1.05% | 1.04% |
| 2008 | 1,772 | 1,708 | 1,200 | 1.008 | 175,789 | 1.00% | 1.13% | 1.12% |
| 2009 | 2,949 | 2,893 | 1,200 | 1.008 | 184,392 | 1.60% | 1.21% | 1.20% |
| 2010 | 1,680 | 1,532 | 1,200 | 1.008 | 180,592 | 0.90% | 1.29% | 1.28% |
| 2011 | 1,177 | 1,253 | 1,200 | 1.008 | 187,761 | 0.65% | 1.37% | 1.36% |
| 2012 | 3,518 | 3,565 | 1,200 | 1.008 | 164,250 | 2.17% | 1.45% | 1.44% |
| 2013 | 2,271 | 2,405 | 1,200 | 1.008 | 152,157 | 1.55% | 1.53% | 1.51% |
| 2014 | 2,117 | 2,288 | 1,250 | 1.006 | 142,034 | 1.56% | 1.61% | 1.60% |
| 2015 | 2,625 | 2,765 | 1,500 | 1.000 | 142,034 | 1.90% | 1.69% | 1.69% |
| 2016 | 2,519 | 2,594 | 1,500 | 1.000 | 142,034 | 1.80% | 1.77% | 1.77% |
| 2017 | 2,251 | 2,751 | 1,500 | 1.000 | 142,034 | 1.76% | 1.85% | 1.85% |
| 10/1/2017-3/31/2018 | 1,232 | 1,352 | 1,500 | 1.000 | 71,017 | 1.82% | 1.93% | 1.93% |
| 4/1/2018-9/30/2018 | | | | 1.000 | 71,017 | | 1.93% | 1.93% |
| 2019 | | | | 1.000 | 144,875 | | 2.01% | 2.01% |

| | |
|------------------|-----------------|
| Average | 1.33% |
| Weighted Average | 1.30% |
| Selected | based on fitted |

Notes:

- (1) - Per Exhibit V, Page 2, Column (3).
- (1) - Per Exhibit V, Page 2, Column (8).
- (3) & (5) - Per CITY OF JACKSONVILLE.
- (4) & (7) - Per AMI calculation.
- (6) = [Average of (1) & (2)] x [(4)/(5)].
- (8) = (7)/(4).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - OTHER CITY NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

INCURRED LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | |
|-------------------|--------------------|-------|-------|-------|-------|-------|-------|
| | 372 | 384 | 396 | 408 | 420 | 432 | 444 |
| 1978 and Prior | 375 | 425 | 425 | 425 | 425 | 426 | 426 |
| 1979 | 942 | 942 | 943 | 943 | 1,222 | 1,225 | 1,228 |
| 1980 | 3,265 | 3,265 | 3,375 | 3,428 | 3,379 | 3,333 | 3,569 |
| 1981 | 2,060 | 2,061 | 2,112 | 2,118 | 2,118 | 2,118 | 2,118 |
| 1982 | 1,974 | 1,976 | 1,978 | 2,069 | 2,179 | 2,135 | |
| 1983 | 1,997 | 1,997 | 1,998 | 1,998 | 1,998 | | |
| 1984 | 3,835 | 4,751 | 4,751 | 4,751 | | | |
| 1985 | 2,565 | 2,565 | 2,765 | | | | |
| 1986 | 1,642 | 1,642 | | | | | |
| 1987 | 3,025 | | | | | | |
| 1988 | | | | | | | |
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| 2017 | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 372 | 384 | 396 | 408 | 420 | 432 | 444 |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| | TO |
| | 384 | 396 | 408 | 420 | 432 | 444 | ULT |
| 1978 | 1.133 | 1.000 | 1.000 | 1.000 | 1.003 | 1.001 | |
| 1979 | 1.000 | 1.001 | 1.000 | 1.295 | 1.003 | 1.003 | |
| 1980 | 1.000 | 1.034 | 1.016 | 0.986 | 0.986 | 1.071 | |
| 1981 | 1.000 | 1.025 | 1.003 | 1.000 | 1.000 | 1.000 | |
| 1982 | 1.001 | 1.001 | 1.046 | 1.053 | 0.980 | | |
| 1983 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 1984 | 1.239 | 1.000 | 1.000 | | | | |
| 1985 | 1.000 | 1.078 | | | | | |
| 1986 | 1.000 | | | | | | |
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| 2015 | | | | | | | |
| 2016 | | | | | | | |
| 10-YR AVERAGE | | | | | | | |
| 3 YR AVG. | 1.080 | 1.026 | 1.015 | 1.018 | 0.989 | 1.025 | |
| 10-YR AVERAGE EXCL III LO | | | | | | | |
| 5 YR AVG X H/LO | 1.000 | 1.009 | 1.006 | 1.018 | 0.996 | | |
| PRIOR SELECTED (9/30/2017) | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | |
| FACTORS FROM TAIL FACTOR STUDY | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.000 |
| SELECTED | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | |
| CUMULATIVE | 1.006 | 1.005 | 1.004 | 1.003 | 1.002 | 1.001 | 1.000 |

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - OTHER CITY NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

PAID LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | |
|----------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | 264 | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 | |
| 1978 and Prior | 337 | 342 | 344 | 344 | 347 | 351 | 357 | 359 | 361 | |
| 1979 | 635 | 649 | 661 | 677 | 694 | 707 | 725 | 743 | 763 | |
| 1980 | 2,651 | 2,703 | 2,790 | 2,818 | 2,827 | 2,857 | 2,870 | 2,910 | 2,924 | |
| 1981 | 1,956 | 1,965 | 1,973 | 1,982 | 1,991 | 2,028 | 2,035 | 2,041 | 2,048 | |
| 1982 | 1,593 | 1,616 | 1,638 | 1,664 | 1,689 | 1,708 | 1,726 | 1,746 | 1,765 | |
| 1983 | 1,962 | 1,974 | 1,985 | 1,985 | 1,986 | 1,987 | 1,987 | 1,987 | 1,989 | |
| 1984 | 2,402 | 2,435 | 2,535 | 2,578 | 2,613 | 2,653 | 3,161 | 3,267 | 3,459 | |
| 1985 | 2,083 | 2,093 | 2,101 | 2,115 | 2,138 | 2,366 | 2,382 | 2,401 | 2,443 | |
| 1986 | 1,602 | 1,605 | 1,608 | 1,611 | 1,637 | 1,638 | 1,642 | 1,641 | 1,642 | |
| 1987 | 2,778 | 2,806 | 2,836 | 2,865 | 2,895 | 2,928 | 2,959 | 2,988 | 3,025 | |
| 1988 | 4,657 | 4,718 | 4,781 | 4,846 | 4,918 | 4,965 | 4,968 | 4,998 | 4,968 | |
| 1989 | 2,393 | 2,397 | 2,402 | 2,430 | 2,432 | 2,438 | | 2,439 | | |
| 1990 | 4,360 | 4,409 | 4,458 | 4,498 | 4,679 | 4,977 | 4,840 | | | |
| 1991 | 3,320 | 3,332 | 3,334 | 3,334 | 3,393 | 3,338 | | | | |
| 1992 | 3,319 | 3,330 | 3,347 | 3,537 | 3,373 | | | | | |
| 1993 | 2,374 | 2,411 | 2,682 | 2,474 | | | | | | |
| 1994 | 2,078 | 2,124 | 2,164 | | | | | | | |
| 1995 | 1,232 | 1,232 | | | | | | | | |
| 1996 | 2,210 | | | | | | | | | |
| 1997 | | | | | | | | | | |
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LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 264 | 276 | 288 | 300 | 312 | 324 | 336 | 348 | 360 |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | TO 276 | TO 288 | TO 300 | TO 312 | TO 324 | TO 336 | TO 348 | TO 360 | TO 372 |
| 1978 | 1.013 | 1.008 | 1.000 | 1.009 | 1.010 | 1.019 | 1.007 | 1.005 | 1.009 |
| 1979 | 1.022 | 1.019 | 1.024 | 1.024 | 1.019 | 1.025 | 1.025 | 1.026 | 1.026 |
| 1980 | 1.019 | 1.032 | 1.010 | 1.003 | 1.011 | 1.005 | 1.014 | 1.005 | 1.011 |
| 1981 | 1.005 | 1.004 | 1.005 | 1.004 | 1.019 | 1.003 | 1.003 | 1.003 | 1.002 |
| 1982 | 1.015 | 1.013 | 1.016 | 1.015 | 1.011 | 1.011 | 1.012 | 1.011 | 1.011 |
| 1983 | 1.006 | 1.006 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.001 |
| 1984 | 1.014 | 1.041 | 1.017 | 1.014 | 1.015 | 1.191 | 1.034 | 1.059 | 1.039 |
| 1985 | 1.004 | 1.004 | 1.007 | 1.011 | 1.107 | 1.007 | 1.008 | 1.017 | 1.013 |
| 1986 | 1.002 | 1.002 | 1.002 | 1.016 | 1.001 | 1.002 | 1.000 | 1.000 | 1.000 |
| 1987 | 1.010 | 1.011 | 1.010 | 1.010 | 1.011 | 1.011 | 1.010 | 1.012 | 0.988 |
| 1988 | 1.013 | 1.013 | 1.013 | 1.015 | 1.010 | 1.001 | 1.006 | 0.994 | |
| 1989 | 1.002 | 1.002 | 1.012 | 1.001 | 1.002 | 1.006 | 0.994 | | |
| 1990 | 1.011 | 1.011 | 1.009 | 1.040 | 1.064 | 0.972 | | | |
| 1991 | 1.004 | 1.000 | 1.000 | 1.018 | 0.984 | | | | |
| 1992 | 1.003 | 1.005 | 1.057 | 0.954 | | | | | |
| 1993 | 1.016 | 1.113 | 0.922 | | | | | | |
| 1994 | 1.022 | 1.019 | | | | | | | |
| 1995 | 1.000 | | | | | | | | |
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| 2015 | | | | | | | | | |
| 2016 | | | | | | | | | |
| 10-YR AVERAGE | 1.008 | 1.018 | 1.005 | 1.008 | 1.021 | 1.020 | 1.008 | 1.013 | 1.010 |
| 3 YR AVG. | 1.013 | 1.046 | 0.993 | 1.004 | 1.017 | 0.993 | 1.003 | 1.002 | 1.000 |
| 10-YR AVERAGE EXCL HI LO | 1.008 | 1.008 | 1.009 | 1.011 | 1.014 | 1.005 | 1.007 | 1.009 | 1.009 |
| 5 YR AVG X HI/LO | 1.008 | 1.012 | 1.007 | 1.011 | 1.008 | 1.003 | 1.005 | 1.010 | 1.005 |
| PRIOR SELECTED (9/30/2017) | 1.007 | 1.007 | 1.007 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 |
| FACTORS FROM TAIL FACTOR STUDY | 1.003 | 1.003 | 1.003 | 1.003 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 |
| SELECTED | 1.007 | 1.007 | 1.007 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 |
| CUMULATIVE | 1.042 | 1.035 | 1.028 | 1.021 | 1.020 | 1.018 | 1.018 | 1.017 | 1.016 |

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - OTHER CITY NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

PAID LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | |
|-------------------|--------------------|-------|-------|-------|-------|-------|-------|
| | 372 | 384 | 396 | 408 | 420 | 432 | 444 |
| 1978 and Prior | 365 | 384 | 395 | 395 | 395 | 396 | 402 |
| 1979 | 783 | 808 | 838 | 866 | 910 | 951 | 998 |
| 1980 | 2,957 | 2,973 | 2,991 | 3,028 | 3,048 | 3,136 | 3,569 |
| 1981 | 2,052 | 2,054 | 2,058 | 2,061 | 2,063 | 2,118 | 2,066 |
| 1982 | 1,783 | 1,802 | 1,824 | 1,847 | 2,179 | 2,053 | |
| 1983 | 1,990 | 1,991 | 1,991 | 1,998 | 1,991 | | |
| 1984 | 3,595 | 4,751 | 4,751 | 4,751 | | | |
| 1985 | 2,474 | 2,565 | 2,510 | | | | |
| 1986 | 1,642 | 1,642 | | | | | |
| 1987 | 2,988 | | | | | | |
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| 2017 | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 372 | 384 | 396 | 408 | 420 | 432 | 444 |
|---------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO |
| | 384 | 396 | 408 | 420 | 432 | 444 | ULT |
| 1978 | 1.052 | 1.029 | 1.000 | 1.000 | 1.004 | 1.014 | |
| 1979 | 1.032 | 1.037 | 1.034 | 1.050 | 1.046 | 1.049 | |
| 1980 | 1.005 | 1.006 | 1.012 | 1.007 | 1.029 | 1.138 | |
| 1981 | 1.001 | 1.002 | 1.001 | 1.001 | 1.027 | 0.975 | |
| 1982 | 1.011 | 1.012 | 1.013 | 1.180 | 0.942 | | |
| 1983 | 1.000 | 1.000 | 1.004 | 0.997 | | | |
| 1984 | 1.322 | 1.000 | 1.000 | | | | |
| 1985 | 1.037 | 0.978 | | | | | |
| 1986 | 1.000 | | | | | | |
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| 2014 | | | | | | | |
| 2015 | | | | | | | |
| 2016 | | | | | | | |
| 10-YR AVERAGE | | | | | | | |
| 3 YR AVG. | 1.120 | 0.993 | 1.006 | 1.059 | 0.999 | 1.054 | |
| 10-YR AVERAGE EXCL HI LO | | | | | | | |
| 5 YR AVG X HI/LO | 1.016 | 1.001 | 1.006 | 1.019 | 1.020 | | |
| PRIOR SELECTED (9/30/2017) | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | |
| FACTORS FROM TAIL FACTOR STUDY | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.000 |
| SELECTED | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | |
| CUMULATIVE | 1.016 | 1.015 | 1.014 | 1.013 | 1.012 | 1.011 | 1.010 |

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE REPORTED CLAIM COUNT DEVELOPMENT FACTORS
WORKERS' COMPENSATION - OTHER CITY NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
UNLIMITED LOSSES

REPORTED CLAIM COUNT DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | | | |
|----------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
| 1978 and Prior | | | | | | | | | | | | 15,299 |
| 1994 | | | | | | | | | | | 838 | 838 |
| 1995 | | | | | | | | | | 738 | 738 | 738 |
| 1996 | | | | | | | | | 710 | 710 | 710 | 710 |
| 1997 | | | | | | | | 647 | 647 | 647 | 647 | 647 |
| 1998 | | | | | | | 648 | 648 | 648 | 648 | 648 | 648 |
| 1999 | | | | | | 514 | 514 | 514 | 514 | 514 | 515 | 515 |
| 2000 | | | | | 512 | 512 | 512 | 512 | 512 | 512 | 512 | 512 |
| 2001 | | | | 607 | 607 | 607 | 607 | 607 | 607 | 607 | 607 | 607 |
| 2002 | | | 678 | 679 | 678 | 678 | 677 | 677 | 677 | 677 | 677 | 677 |
| 2003 | | 698 | 698 | 698 | 698 | 699 | 699 | 699 | 699 | 699 | 699 | 699 |
| 2004 | 695 | 700 | 696 | 696 | 697 | 697 | 697 | 697 | 697 | 697 | 697 | 697 |
| 2005 | 750 | 745 | 746 | 745 | 745 | 745 | 745 | 745 | 745 | 745 | 745 | 745 |
| 2006 | 643 | 639 | 642 | 636 | 636 | 636 | 636 | 636 | 636 | 636 | 636 | 636 |
| 2007 | 531 | 535 | 525 | 525 | 525 | 525 | 525 | 525 | 525 | 525 | 525 | 525 |
| 2008 | 573 | 560 | 560 | 560 | 559 | 559 | 559 | 559 | 559 | 559 | | |
| 2009 | 477 | 482 | 482 | 482 | 482 | 483 | 483 | 483 | 483 | | | |
| 2010 | 477 | 478 | 478 | 477 | 477 | 478 | 478 | 478 | | | | |
| 2011 | 444 | 442 | 443 | 443 | 443 | 443 | 443 | | | | | |
| 2012 | 408 | 411 | 411 | 411 | 411 | 411 | | | | | | |
| 2013 | 381 | 385 | 375 | 370 | 370 | | | | | | | |
| 2014 | 356 | 355 | 347 | 347 | | | | | | | | |
| 2015 | 361 | 359 | 359 | | | | | | | | | |
| 2016 | 376 | 384 | | | | | | | | | | |
| 2017 | 244 | | | | | | | | | | | |

CLAIM COUNT DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 | |
|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | TO | |
| | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 | 156 | |
| 1978 and Prior | | | | | | | | | | | | | 1.000 |
| 1994 | | | | | | | | | | | | 1.000 | 1.000 |
| 1995 | | | | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 |
| 1996 | | | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1997 | | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1998 | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1999 | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.002 | 1.000 | 1.000 | 1.000 |
| 2000 | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2001 | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2002 | | | 1.001 | 0.999 | 1.000 | 0.999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2003 | | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2004 | 1.007 | 0.994 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2005 | 0.993 | 1.001 | 0.999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2006 | 0.994 | 1.005 | 0.991 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2007 | 1.008 | 0.981 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 2008 | 0.977 | 1.000 | 1.000 | 0.998 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | |
| 2009 | 1.010 | 1.000 | 1.000 | 1.000 | 1.002 | 1.000 | 1.000 | 1.000 | | | | | |
| 2010 | 1.002 | 1.000 | 0.998 | 1.000 | 1.002 | 1.000 | 1.000 | | | | | | |
| 2011 | 0.995 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | |
| 2012 | 1.007 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | |
| 2013 | 1.010 | 0.974 | 0.987 | 1.000 | | | | | | | | | |
| 2014 | 0.997 | 0.977 | 1.000 | | | | | | | | | | |
| 2015 | 0.994 | 1.000 | | | | | | | | | | | |
| 2016 | 1.021 | | | | | | | | | | | | |
| AVERAGE | 1.001 | 0.995 | 0.998 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 3 YR AVG. | 1.004 | 0.984 | 0.996 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| EXCL HI LO | 1.002 | 0.996 | 0.999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 5 YR AVG X HI LO | 1.005 | 0.992 | 0.999 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PRIOR SELECTED (9/30/2017) | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| SELECTED | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CUMULATIVE | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*All accident years are 12-month periods ending 9/30 of the stated year.

**CITY OF JACKSONVILLE
 SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 CALCULATION OF THE REPORTED CLAIM COUNT DEVELOPMENT FACTORS
 WORKERS' COMPENSATION - OTHER CITY NON-HEART & HYPERTENSION CLAIMS
 AS OF MARCH 31, 2018
 UNLIMITED LOSSES**

REPORTED CLAIM COUNT DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | | | | |
|----------------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 | 288 | 300 |
| 1978 and Prior | 15,299 | 15,299 | 15,299 | 15,299 | 15,299 | 15,299 | 15,299 | 15,299 | 15,299 | 15,299 | 15,299 | 15,299 | 15,299 |
| 1994 | 838 | 838 | 838 | 838 | 838 | 838 | 838 | 838 | 838 | 838 | 838 | 838 | 838 |
| 1995 | 738 | 738 | 738 | 738 | 738 | 738 | 738 | 738 | 738 | 738 | 738 | 738 | 738 |
| 1996 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 | 710 |
| 1997 | 647 | 647 | 647 | 647 | 647 | 647 | 647 | 647 | 647 | 647 | 647 | 647 | 647 |
| 1998 | 648 | 648 | 648 | 648 | 648 | 648 | 648 | 648 | 648 | 648 | 648 | 648 | 648 |
| 1999 | 515 | 515 | 515 | 515 | 515 | 515 | 515 | 515 | 515 | 515 | 515 | 515 | 515 |
| 2000 | 512 | 512 | 512 | 512 | 512 | 512 | 512 | 512 | 512 | 512 | 512 | 512 | 512 |
| 2001 | 607 | 607 | 607 | 607 | 607 | 607 | 607 | 607 | 607 | 607 | 607 | 607 | 607 |
| 2002 | 677 | 677 | 677 | 677 | 677 | 677 | 677 | 677 | 677 | 677 | 677 | 677 | 677 |
| 2003 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 | 699 |
| 2004 | 697 | 697 | 697 | 697 | 697 | 697 | 697 | 697 | 697 | 697 | 697 | 697 | 697 |
| 2005 | 745 | 745 | 745 | 745 | 745 | 745 | 745 | 745 | 745 | 745 | 745 | 745 | 745 |
| 2006 | | | | | | | | | | | | | |
| 2007 | | | | | | | | | | | | | |
| 2008 | | | | | | | | | | | | | |
| 2009 | | | | | | | | | | | | | |
| 2010 | | | | | | | | | | | | | |
| 2011 | | | | | | | | | | | | | |
| 2012 | | | | | | | | | | | | | |
| 2013 | | | | | | | | | | | | | |
| 2014 | | | | | | | | | | | | | |
| 2015 | | | | | | | | | | | | | |
| 2016 | | | | | | | | | | | | | |
| 2017 | | | | | | | | | | | | | |

CLAIM COUNT DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 | 288 | 300 |
|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | TO |
| TO | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 | 288 | 300 | ULT. |
| 1978 and Prior | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1994 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1995 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1996 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1997 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1998 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2002 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2003 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2004 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2005 | | | | | | | | | | | | | |
| 2006 | | | | | | | | | | | | | |
| 2007 | | | | | | | | | | | | | |
| 2008 | | | | | | | | | | | | | |
| 2009 | | | | | | | | | | | | | |
| 2010 | | | | | | | | | | | | | |
| 2011 | | | | | | | | | | | | | |
| 2012 | | | | | | | | | | | | | |
| 2013 | | | | | | | | | | | | | |
| 2014 | | | | | | | | | | | | | |
| 2015 | | | | | | | | | | | | | |
| 2016 | | | | | | | | | | | | | |
| AVERAGE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 3 YR AVG. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| EXCL HI LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 5 YR AVG X HI/LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PRIOR SELECTED (9/30/2017) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| SELECTED | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CUMULATIVE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE CLAIM FREQUENCY AND ULTIMATE CLAIM SEVERITY
WORKERS' COMPENSATION - OTHER CITY NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
LIMITED TO RETENTION

| ACCIDENT YEARS* | CLAIMS REPORTED @ 3/31/2018 | DEVELOPMENT FACTORS | ULTIMATE CLAIM COUNT | ULTIMATE LOSS | PAYROLL (\$000'S) | NUMBER OF CLAIMS PER \$MM OF PAYROLL (FREQUENCY) | AVERAGE CLAIM (SEVERITY) (WHOLE DOLLARS) |
|---------------------|-----------------------------|---------------------|----------------------|---------------|-------------------|--|--|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 2004 | 697 | 1.000 | 697 | 1,726 | 159,436 | 4.4 | \$2,476 |
| 2005 | 745 | 1.000 | 745 | 1,825 | 169,833 | 4.4 | 2,449 |
| 2006 | 636 | 1.000 | 636 | 1,354 | 169,448 | 3.8 | 2,129 |
| 2007 | 525 | 1.000 | 525 | 1,230 | 172,338 | 3.0 | 2,343 |
| 2008 | 559 | 1.000 | 559 | 1,753 | 175,789 | 3.2 | 3,137 |
| 2009 | 483 | 1.000 | 483 | 2,875 | 184,392 | 2.6 | 5,953 |
| 2010 | 478 | 1.000 | 478 | 1,657 | 180,592 | 2.6 | 3,466 |
| 2011 | 443 | 1.000 | 443 | 1,319 | 187,761 | 2.4 | 2,977 |
| 2012 | 411 | 1.000 | 411 | 3,440 | 164,250 | 2.5 | 8,370 |
| 2013 | 370 | 1.000 | 370 | 2,334 | 152,157 | 2.4 | 6,309 |
| 2014 | 348 | 1.000 | 348 | 2,208 | 142,034 | 2.5 | 6,344 |
| 2015 | 359 | 1.000 | 359 | 2,654 | 142,034 | 2.5 | 7,394 |
| 2016 | 384 | 1.000 | 384 | 2,547 | 142,034 | 2.7 | 6,634 |
| 2017 | 250 | 1.000 | 250 | 2,509 | 142,034 | 1.8 | 10,033 |
| 10/1/2017-3/31/2018 | 154 | | 168 | 2,509 | 71,017 | 2.4 | 14,967 |
| TOTAL | 5,695 | | 6,856 | 31,941 | | | |

Notes:

- (1) & (5) - Per CITY OF JACKSONVILLE.
- (2) - Per CITY OF JACKSONVILLE's historical loss patterns.
- (3) = (1) x (2). For the most recent year, we used the average of prior years.
- (4) = Exhibit V, Page 1, Column (5).
- (6) = [(3) / (5)] x 1000.
- (7) = [(4) / (3)] x 1000.
- *Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.
- *Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF PROJECTED LOSSES
WORKERS' COMPENSATION - OTHER CITY NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEAR* | SELECTED ULTIMATE LOSSES | RETENTION LIMIT | PAYROLL (IN \$000'S) | LOSS RATE |
|--------------------------------------|--------------------------|-----------------|----------------------|--------------|
| | (1) | (2) | (3) | (4) |
| 1978 and Prior | 426 | 500 | N/A | |
| 1979 | 902 | 500 | N/A | |
| 1980 | 2,945 | 500 | N/A | |
| 1981 | 2,108 | 1000 | N/A | |
| 1982 | 2,122 | 1000 | N/A | |
| 1983 | 1,462 | 250 | N/A | |
| 1984 | 4,441 | 250 | N/A | |
| 1985 | 1,898 | 250 | N/A | |
| 1986 | 1,432 | 250 | N/A | |
| 1987 | 2,978 | 1000 | N/A | |
| 1988 | 4,969 | 1000 | N/A | |
| 1989 | 2,475 | 1000 | N/A | |
| 1990 | 4,426 | 1000 | N/A | |
| 1991 | 3,412 | 1000 | N/A | |
| 1992 | 3,528 | 1000 | N/A | |
| 1993 | 2,658 | 1000 | N/A | |
| 1994 | 1,896 | 1000 | N/A | |
| 1995 | 1,260 | 1000 | N/A | |
| 1996 | 2,271 | 1000 | N/A | |
| 1997 | 1,305 | 1000 | N/A | |
| 1998 | 1,355 | 1000 | N/A | |
| 1999 | 1,755 | 1,000 | N/A | |
| 2000 | 1,704 | 1,000 | N/A | |
| 2001 | 2,261 | 1,000 | N/A | |
| 2002 | 2,512 | 1,000 | N/A | |
| 2003 | 1,792 | 1,200 | N/A | |
| 2004 | 1,726 | 1,200 | 159,436 | 0.011 |
| 2005 | 1,825 | 1,200 | 169,833 | 0.011 |
| 2006 | 1,354 | 1,200 | 169,448 | 0.008 |
| 2007 | 1,230 | 1,200 | 172,338 | 0.007 |
| 2008 | 1,753 | 1,200 | 175,789 | 0.010 |
| 2009 | 2,875 | 1,200 | 184,392 | 0.016 |
| 2010 | 1,657 | 1,200 | 180,592 | 0.009 |
| 2011 | 1,319 | 1,200 | 187,761 | 0.007 |
| 2012 | 3,440 | 1,200 | 164,250 | 0.021 |
| 2013 | 2,334 | 1,200 | 152,157 | 0.015 |
| 2014 | 2,208 | 1,250 | 142,034 | 0.016 |
| 2015 | 2,654 | 1,250 | 142,034 | 0.019 |
| 2016 | 2,547 | 1,250 | 142,034 | 0.018 |
| 2017 | 2,509 | 1,250 | 142,034 | 0.018 |
| 10/1/2017-3/31/2018 | 1,450 | 1,250 | 71,017 | 0.020 |
| (PROJ.) 4/1/2018 to 9/30/2018 | 1,380 | 1,250 | 71,017 | 0.019 |
| 2018/2019 | 2,932 | 1,250 | 144,875 | 0.020 |
| 2019/2020 | 3,051 | 1,250 | 147,773 | 0.021 |
| 2020/2021 | 3,269 | 1,250 | 150,728 | 0.022 |
| 2021/2022 | 3,458 | 1,250 | 153,743 | 0.022 |
| 2022/2023 | 3,653 | 1,250 | 156,818 | 0.023 |

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEAR | 55% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (9) | (10) |
| (PROJ.) 4/1/2018 to 9/30/2018 | 1,380 | 1,531 | 1,581 | 1,639 | 1,701 | 1,793 |
| 2018/2019 | 2,932 | 3,254 | 3,361 | 3,484 | 3,614 | 3,810 |
| 2019/2020 | 3,051 | 3,385 | 3,496 | 3,624 | 3,760 | 3,964 |
| 2020/2021 | 3,269 | 3,627 | 3,746 | 3,884 | 4,029 | 4,248 |
| 2021/2022 | 3,458 | 3,836 | 3,963 | 4,108 | 4,262 | 4,493 |
| 2022/2023 | 3,653 | 4,053 | 4,186 | 4,339 | 4,502 | 4,746 |

Notes:

- (1) - Exhibit V, Page 1, Column (5). For the projection years (1) = (3) x (4).
- (2) & (3) - Per CITY OF JACKSONVILLE.
- (4) = (1) / (3). For the projected year, it is the average of prior years.
- (5) = Projected losses in Column (1).
- (6) to (10) - Based on Monte Carlo Simulation Approach.

**Retention for 1993 and Prior

| Effective Date | Retention |
|----------------|-----------|
| 10/1/1977 | 500 |
| 10/1/1980 | 1,000 |
| 10/1/1982 | 250 |
| 11/1/1986 | 1,000 |
| 10/1/2002 | 1,200 |

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
ANALYSIS OF RESERVE CHANGE
WORKERS' COMPENSATION - OTHER CITY NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| | |
|---|------------------|
| 1. Estimated net undiscounted reserves at 9/30/2017 | \$10,817 |
| 2. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 9/30/2017 and prior | (\$726) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018 | (\$1,545) |
| 4. Estimated ultimate losses for the period 10/1/2017- 3/31/2018 | \$1,450 |
| 5. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 10/1/2017 - 3/31/2018 | (\$259) |
| 6. Estimated net undiscounted reserves at 3/31/2018 | \$9,738 |

Notes:

- (1) - Per AMI Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit V, Page 8C , Column (3).
- (3) - Total from Exhibit V, Page 8B, Column (3).
- (4) - See Exhibit V, Page 1, Column (5), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - OTHER CITY NON-HEART & HYPERTENSION CLAIMS
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$44,114 | \$44,079 | (35) |
| 1995 | 1,264 | 1,260 | (4) |
| 1996 | 2,279 | 2,271 | (8) |
| 1997 | 1,310 | 1,305 | (5) |
| 1998 | 1,360 | 1,355 | (4) |
| 1999 | 1,758 | 1,755 | (3) |
| 2000 | 1,710 | 1,704 | (6) |
| 2001 | 2,270 | 2,261 | (8) |
| 2002 | 2,524 | 2,512 | (12) |
| 2003 | 1,803 | 1,792 | (11) |
| 2004 | 1,713 | 1,726 | 13 |
| 2005 | 1,832 | 1,825 | (8) |
| 2006 | 1,359 | 1,354 | (5) |
| 2007 | 1,241 | 1,230 | (11) |
| 2008 | 1,772 | 1,753 | (18) |
| 2009 | 2,903 | 2,875 | (28) |
| 2010 | 1,672 | 1,657 | (15) |
| 2011 | 1,349 | 1,319 | (30) |
| 2012 | 3,488 | 3,440 | (48) |
| 2013 | 2,381 | 2,334 | (46) |
| 2014 | 2,313 | 2,208 | (105) |
| 2015 | 2,888 | 2,654 | (234) |
| 2016 | 2,984 | 2,547 | (436) |
| 2017 | 2,986 | 2,509 | (477) |
| TOTAL | \$91,271 | \$89,726 | (1,545) |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit V, Page 1, Column (5).

(3) = (2) - (1).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - OTHER CITY NON-HEART & HYPERTENSION CLAIMS
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|-----------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$43,200 | \$43,245 | \$45 |
| 1995 | 1,232 | 1,232 | 0 |
| 1996 | 2,210 | 2,210 | 0 |
| 1997 | 1,264 | 1,264 | 0 |
| 1998 | 1,305 | 1,305 | 0 |
| 1999 | 1,617 | 1,622 | 5 |
| 2000 | 1,625 | 1,625 | 0 |
| 2001 | 2,132 | 2,134 | 2 |
| 2002 | 2,291 | 2,291 | 0 |
| 2003 | 1,675 | 1,675 | 0 |
| 2004 | 1,555 | 1,614 | 59 |
| 2005 | 1,643 | 1,645 | 3 |
| 2006 | 1,184 | 1,186 | 2 |
| 2007 | 1,075 | 1,075 | 0 |
| 2008 | 1,459 | 1,459 | 0 |
| 2009 | 2,432 | 2,436 | 4 |
| 2010 | 1,258 | 1,272 | 14 |
| 2011 | 1,024 | 1,024 | 0 |
| 2012 | 2,857 | 2,865 | 8 |
| 2013 | 1,887 | 1,891 | 4 |
| 2014 | 1,741 | 1,741 | 0 |
| 2015 | 1,874 | 1,896 | 22 |
| 2016 | 1,380 | 1,491 | 111 |
| 2017 | 535 | 981 | 447 |
| TOTAL | \$80,454 | \$81,180 | \$726 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit V, Page 1, Column (6).

(3) = (2) - (1).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF TOTAL RESERVES
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

ALL APPROACHES COMBINED

| ACCIDENT YEAR* | ILDA ULTIMATE LOSSES (1) | PLDA ULTIMATE LOSSES (2) | BFILA ULTIMATE LOSSES (3) | BFPLA ULTIMATE LOSSES (4) | SELECTED ULTIMATE LOSSES (5) | PAID LOSSES @3/31/2018 (6) | LOSS RESERVES @3/31/2018 (7) |
|-------------------|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|---------------------------------------|-------------------------------------|---------------------------------------|
| 1978 and Prior | 536 | 536 | 536 | 536 | 536 | \$536 | 0 |
| 1979 | 680 | 680 | 680 | 680 | 680 | 680 | 0 |
| 1980 | 1,104 | 1,068 | 1,104 | 1,104 | 1,095 | 1,068 | 27 |
| 1981 | 3,095 | 3,112 | 3,095 | 3,112 | 3,095 | 3,095 | 0 |
| 1982 | 817 | 825 | 817 | 825 | 817 | 817 | 0 |
| 1983 | 2,178 | 2,063 | 2,178 | 2,178 | 2,149 | 2,040 | 109 |
| 1984 | 1,136 | 1,150 | 1,136 | 1,150 | 1,136 | 1,136 | 0 |
| 1985 | 1,516 | 1,537 | 1,516 | 1,536 | 1,516 | 1,516 | 0 |
| 1986 | 1,101 | 1,117 | 1,101 | 1,117 | 1,101 | 1,101 | 0 |
| 1987 | 3,163 | 3,197 | 3,163 | 3,197 | 3,180 | 3,148 | 33 |
| 1988 | 2,593 | 2,635 | 2,593 | 2,634 | 2,591 | 2,591 | 0 |
| 1989 | 1,603 | 1,552 | 1,603 | 1,601 | 1,590 | 1,525 | 65 |
| 1990 | 2,624 | 2,668 | 2,624 | 2,668 | 2,618 | 2,618 | 0 |
| 1991 | 2,314 | 2,353 | 2,314 | 2,353 | 2,306 | 2,306 | 0 |
| 1992 | 2,758 | 2,805 | 2,758 | 2,805 | 2,747 | 2,747 | 0 |
| 1993 | 1,598 | 1,626 | 1,598 | 1,626 | 1,589 | 1,589 | 0 |
| 1994 | 1,448 | 1,471 | 1,441 | 1,451 | 1,453 | 1,432 | 21 |
| 1995 | 1,946 | 1,923 | 1,930 | 1,921 | 1,930 | 1,860 | 70 |
| 1996 | 1,811 | 1,799 | 1,799 | 1,781 | 1,790 | 1,701 | 89 |
| 1997 | 1,438 | 1,474 | 1,431 | 1,457 | 1,408 | 1,408 | 0 |
| 1998 | 1,222 | 1,254 | 1,221 | 1,251 | 1,191 | 1,191 | 0 |
| 1999 | 668 | 687 | 685 | 719 | 649 | 649 | 0 |
| 2000 | 695 | 716 | 690 | 742 | 672 | 672 | 0 |
| 2001 | 801 | 827 | 795 | 813 | 772 | 772 | 0 |
| 2002 | 2,154 | 2,228 | 2,095 | 2,116 | 2,068 | 2,068 | 0 |
| 2003 | 1,709 | 1,668 | 1,668 | 1,633 | 1,670 | 1,539 | 130 |
| 2004 | 1,143 | 955 | 1,131 | 1,089 | 1,079 | 876 | 204 |
| 2005 | 862 | 864 | 862 | 863 | 863 | 787 | 76 |
| 2006 | 728 | 627 | 746 | 687 | 697 | 567 | 130 |
| 2007 | 949 | 779 | 962 | 890 | 895 | 697 | 198 |
| 2008 | 1,021 | 884 | 1,042 | 952 | 975 | 784 | 191 |
| 2009 | 1,527 | 1,509 | 1,509 | 1,517 | 1,526 | 1,361 | 165 |
| 2010 | 541 | 570 | 605 | 667 | 495 | 495 | 0 |
| 2011 | 459 | 486 | 548 | 618 | 417 | 417 | 0 |
| 2012 | 1,395 | 1,382 | 1,401 | 1,392 | 1,393 | 1,170 | 223 |
| 2013 | 1,122 | 995 | 1,173 | 1,093 | 1,096 | 829 | 267 |
| 2014 | 1,995 | 1,848 | 1,961 | 1,826 | 1,908 | 1,506 | 402 |
| 2015 | 1,260 | 1,156 | 1,324 | 1,279 | 1,255 | 899 | 356 |
| 2016 | 1,886 | 2,040 | 1,882 | 1,980 | 1,947 | 1,346 | 602 |
| 2017 | 1,906 | 2,053 | 1,921 | 1,994 | 1,968 | 810 | 1,158 |
| 2018 | 863 | 895 | 980 | 987 | 931 | 130 | 801 |
| TOTAL | \$60,364 | \$60,025 | \$60,616 | \$60,840 | \$59,794 | \$54,477 | \$5,316 |

Notes:

(1), (2), (3) & (4) - Ultimate incurred losses calculated from Exhibit VI, Pages 2 and 3.

(5) = Selected based on (1), (2), (3) & (4).

(6) - Per CITY OF JACKSONVILLE.

(7) = (5) - (6).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE LOSSES - LOSS DEVELOPMENT APPROACH
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

INCURRED LOSS DEVELOPMENT APPROACH

| ACCIDENT YEAR* | INCURRED LOSSES @3/31/2018 (1) | LARGE LOSSES EXCLUDED FROM DEVELOPMENT (1A) | LOSS DEVELOPMENT FACTORS (2) | ULTIMATE INCURRED LOSSES (3) | PAYROLL (IN \$000'S) (4) | ESTIMATED LOSS RATE (5) |
|----------------|--------------------------------|---|------------------------------|------------------------------|--------------------------|-------------------------|
| 1978 and Prior | \$536 | | 1.000 | \$536 | N/A | |
| 1979 | 680 | | 1.000 | 680 | N/A | |
| 1980 | 1,104 | | 1.000 | 1,104 | N/A | |
| 1981 | 3,095 | | 1.000 | 3,095 | N/A | |
| 1982 | 817 | | 1.000 | 817 | N/A | |
| 1983 | 2,178 | | 1.000 | 2,178 | N/A | |
| 1984 | 1,136 | | 1.000 | 1,136 | N/A | |
| 1985 | 1,516 | | 1.000 | 1,516 | N/A | |
| 1986 | 1,101 | | 1.000 | 1,101 | N/A | |
| 1987 | 3,163 | | 1.000 | 3,163 | N/A | |
| 1988 | 2,591 | | 1.001 | 2,593 | N/A | |
| 1989 | 1,601 | | 1.001 | 1,603 | N/A | |
| 1990 | 2,618 | | 1.002 | 2,624 | N/A | |
| 1991 | 2,306 | | 1.003 | 2,314 | N/A | |
| 1992 | 2,747 | | 1.004 | 2,758 | N/A | |
| 1993 | 1,589 | | 1.006 | 1,598 | N/A | |
| 1994 | 1,435 | | 1.009 | 1,448 | 71,983 | 0.020 |
| 1995 | 1,921 | | 1.013 | 1,946 | 73,556 | 0.026 |
| 1996 | 1,781 | | 1.017 | 1,811 | 104,530 | 0.017 |
| 1997 | 1,408 | | 1.021 | 1,438 | 109,428 | 0.013 |
| 1998 | 1,191 | | 1.025 | 1,222 | 117,461 | 0.010 |
| 1999 | 649 | | 1.029 | 668 | 124,584 | 0.005 |
| 2000 | 672 | | 1.034 | 695 | 114,512 | 0.006 |
| 2001 | 772 | | 1.038 | 801 | 123,079 | 0.007 |
| 2002 | 2,068 | | 1.042 | 2,154 | 127,417 | 0.017 |
| 2003 | 1,633 | | 1.046 | 1,709 | 137,397 | 0.012 |
| 2004 | 1,089 | | 1.050 | 1,143 | 148,054 | 0.008 |
| 2005 | 817 | | 1.054 | 862 | 137,486 | 0.006 |
| 2006 | 687 | | 1.059 | 728 | 161,143 | 0.005 |
| 2007 | 890 | | 1.065 | 949 | 170,460 | 0.006 |
| 2008 | 952 | | 1.073 | 1,021 | 184,267 | 0.006 |
| 2009 | 1,412 | | 1.082 | 1,527 | 170,772 | 0.009 |
| 2010 | 495 | | 1.092 | 541 | 167,276 | 0.003 |
| 2011 | 417 | | 1.103 | 459 | 173,778 | 0.003 |
| 2012 | 1,253 | | 1.114 | 1,395 | 172,037 | 0.008 |
| 2013 | 996 | | 1.126 | 1,122 | 181,197 | 0.006 |
| 2014 | 1,744 | | 1.144 | 1,995 | 190,785 | 0.010 |
| 2015 | 1,078 | | 1.169 | 1,260 | 181,533 | 0.007 |
| 2016 | 1,548 | | 1.218 | 1,886 | 191,761 | 0.010 |
| 2017 | 1,333 | | 1.429 | 1,906 | 194,920 | 0.010 |
| 2018 | 465 | | | 863 | 97,460 | 0.009 |
| TOTAL | \$57,486 | | | \$60,364 | | |

PAID LOSS DEVELOPMENT APPROACH

| ACCIDENT YEAR* | PAID LOSSES @3/31/2018 (6) | LARGE LOSSES EXCLUDED FROM DEVELOPMENT (6A) | LOSS DEVELOPMENT FACTORS (7) | ULTIMATE INCURRED LOSSES (8) | PAYROLL (IN \$000'S) (9) | ESTIMATED LOSS RATE (10) |
|----------------|----------------------------|---|------------------------------|------------------------------|--------------------------|--------------------------|
| 1978 and Prior | \$536 | | 1.000 | \$536 | N/A | |
| 1979 | 680 | | 1.000 | 680 | N/A | |
| 1980 | 1,068 | | 1.000 | 1,068 | N/A | |
| 1981 | 3,095 | | 1.005 | 3,112 | N/A | |
| 1982 | 817 | | 1.010 | 825 | N/A | |
| 1983 | 2,040 | | 1.011 | 2,063 | N/A | |
| 1984 | 1,136 | | 1.012 | 1,150 | N/A | |
| 1985 | 1,516 | | 1.014 | 1,537 | N/A | |
| 1986 | 1,101 | | 1.015 | 1,117 | N/A | |
| 1987 | 3,148 | | 1.016 | 3,197 | N/A | |
| 1988 | 2,591 | | 1.017 | 2,635 | N/A | |
| 1989 | 1,525 | | 1.018 | 1,552 | N/A | |
| 1990 | 2,618 | | 1.019 | 2,668 | N/A | |
| 1991 | 2,306 | | 1.020 | 2,353 | N/A | |
| 1992 | 2,747 | | 1.021 | 2,805 | N/A | |
| 1993 | 1,589 | | 1.023 | 1,626 | N/A | |
| 1994 | 1,432 | | 1.027 | 1,471 | 71,983 | 0.020 |
| 1995 | 1,860 | | 1.034 | 1,923 | 73,556 | 0.026 |
| 1996 | 1,701 | | 1.040 | 1,769 | 104,530 | 0.017 |
| 1997 | 1,408 | | 1.046 | 1,474 | 109,428 | 0.013 |
| 1998 | 1,191 | | 1.053 | 1,254 | 117,461 | 0.011 |
| 1999 | 649 | | 1.059 | 687 | 124,584 | 0.006 |
| 2000 | 672 | | 1.065 | 716 | 114,512 | 0.006 |
| 2001 | 772 | | 1.071 | 827 | 123,079 | 0.007 |
| 2002 | 2,068 | | 1.078 | 2,228 | 127,417 | 0.017 |
| 2003 | 1,539 | | 1.084 | 1,668 | 137,397 | 0.012 |
| 2004 | 876 | | 1.090 | 955 | 148,054 | 0.006 |
| 2005 | 787 | | 1.098 | 864 | 137,486 | 0.006 |
| 2006 | 567 | | 1.107 | 627 | 161,143 | 0.004 |
| 2007 | 697 | | 1.117 | 779 | 170,460 | 0.005 |
| 2008 | 784 | | 1.128 | 884 | 184,267 | 0.005 |
| 2009 | 1,361 | | 1.139 | 1,549 | 170,772 | 0.009 |
| 2010 | 495 | | 1.152 | 570 | 167,276 | 0.003 |
| 2011 | 417 | | 1.167 | 486 | 173,778 | 0.003 |
| 2012 | 1,170 | | 1.182 | 1,382 | 172,037 | 0.008 |
| 2013 | 829 | | 1.201 | 995 | 181,197 | 0.005 |
| 2014 | 1,506 | | 1.228 | 1,848 | 190,785 | 0.010 |
| 2015 | 899 | | 1.286 | 1,156 | 181,533 | 0.006 |
| 2016 | 1,346 | | 1.516 | 2,040 | 191,761 | 0.011 |
| 2017 | 810 | | 2.535 | 2,053 | 194,920 | 0.011 |
| 2018 | 130 | | | 895 | 97,460 | 0.009 |
| TOTAL | \$54,477 | | | \$60,025 | | |

Notes:
 (1), (4), (6) & (9) - Per CITY OF JACKSONVILLE.
 (2) & (7) - Per City's historical loss patterns.
 (3) = (1) x (2); (8) = (6) x (7). If ultimate incurred losses in (8) are less than the incurred losses in (1), we used the losses in (1).
 For the most recent year, we used the Loss Rate Approach.
 (5) = (3) / (4); (10) = (8) / (9). For the most recent year, it is the average of prior years.
 *Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
SELECTION OF INITIAL LOSS RATE FOR BORNHUTTER-FERGUSON APPROACHES
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT PERIODS | ULTIMATE LOSSES PER ILDA | ULTIMATE LOSSES PER PLDA | RETENTION | ADJUSTMENT TO CURRENT RETENTION | PAYROLL (IN \$000'S) | LOSS RATE AT CURRENT RETENTION | FITTED LOSS RATE | SELECTED INITIAL LOSS RATE ACTUAL RETENTION |
|---------------------|--------------------------|--------------------------|-----------|---------------------------------|----------------------|--------------------------------|------------------|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| 2000 | \$695 | \$716 | \$1,000 | 1.016 | 114,512 | 0.63% | 0.48% | 0.47% |
| 2001 | 801 | 827 | 1,000 | 1.016 | 123,079 | 0.67% | 0.51% | 0.50% |
| 2002 | 2,154 | 2,228 | 1,000 | 1.016 | 127,417 | 1.75% | 0.54% | 0.53% |
| 2003 | 1,709 | 1,668 | 1,200 | 1.008 | 137,397 | 1.24% | 0.57% | 0.56% |
| 2004 | 1,143 | 955 | 1,200 | 1.008 | 148,054 | 0.71% | 0.60% | 0.60% |
| 2005 | 862 | 864 | 1,200 | 1.008 | 137,486 | 0.63% | 0.63% | 0.63% |
| 2006 | 728 | 627 | 1,200 | 1.008 | 161,143 | 0.42% | 0.66% | 0.66% |
| 2007 | 949 | 779 | 1,200 | 1.008 | 170,460 | 0.51% | 0.69% | 0.69% |
| 2008 | 1,021 | 884 | 1,200 | 1.008 | 184,267 | 0.52% | 0.72% | 0.72% |
| 2009 | 1,527 | 1,549 | 1,200 | 1.008 | 170,772 | 0.91% | 0.76% | 0.75% |
| 2010 | 541 | 570 | 1,200 | 1.008 | 167,276 | 0.33% | 0.79% | 0.78% |
| 2011 | 459 | 486 | 1,200 | 1.008 | 173,778 | 0.27% | 0.82% | 0.81% |
| 2012 | 1,395 | 1,382 | 1,200 | 1.008 | 172,037 | 0.81% | 0.85% | 0.84% |
| 2013 | 1,122 | 995 | 1,200 | 1.008 | 181,197 | 0.59% | 0.88% | 0.87% |
| 2014 | 1,995 | 1,848 | 1,250 | 1.006 | 190,785 | 1.01% | 0.91% | 0.90% |
| 2015 | 1,260 | 1,156 | 1,500 | 1.000 | 181,533 | 0.67% | 0.94% | 0.94% |
| 2016 | 1,886 | 2,040 | 1,500 | 1.000 | 191,761 | 1.02% | 0.97% | 0.97% |
| 2017 | 1,906 | 2,053 | 1,500 | 1.000 | 194,920 | 1.02% | 1.00% | 1.00% |
| 10/1/2017-3/31/2018 | 863 | 895 | 1,500 | 1.000 | 97,460 | 0.90% | 1.03% | 1.03% |
| 4/1/2018-9/30/2018 | | | 1,500 | 1.000 | 97,460 | | 1.03% | 1.03% |
| 2019 | | | | 1.000 | 198,818 | | 1.07% | 1.07% |

| | |
|------------------|-----------------|
| Average | 0.76% |
| Weighted Average | 0.75% |
| Selected | based on fitted |

Notes:

- (1) - Per Exhibit VI, Page 2, Column (3).
- (1) - Per Exhibit VI, Page 2, Column (8).
- (3) & (5) - Per CITY OF JACKSONVILLE.
- (4) & (7) - Per AMI calculation.
- (6) = [Average of (1) & (2)] x [(4)/(5)].
- (8) = (7)/(4).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

INCURRED LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | |
|-------------------|--------------------|-------|-------|-------|-------|-------|-------|
| | 372 | 384 | 396 | 408 | 420 | 432 | 444 |
| 1978 | 575 | 575 | 575 | 575 | 575 | 576 | 577 |
| 1979 | 648 | 648 | 648 | 648 | 648 | 648 | 648 |
| 1980 | 1,029 | 1,103 | 1,103 | 1,104 | 1,104 | 1,104 | 1,104 |
| 1981 | 3,720 | 3,720 | 3,842 | 3,896 | 3,896 | 3,834 | 3,834 |
| 1982 | 817 | 817 | 817 | 817 | 817 | 817 | 817 |
| 1983 | 2,159 | 2,181 | 2,181 | 2,181 | 2,181 | | |
| 1984 | 1,145 | 1,145 | 1,145 | 1,145 | | | |
| 1985 | 1,625 | 1,625 | 1,625 | | | | |
| 1986 | 1,130 | 1,130 | | | | | |
| 1987 | 4,792 | | | | | | |
| 1988 | | | | | | | |
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| 2014 | | | | | | | |
| 2015 | | | | | | | |
| 2016 | | | | | | | |
| 2017 | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 372 | 384 | 396 | 408 | 420 | 432 | 444 |
|---------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO |
| | 384 | 396 | 408 | 420 | 432 | 444 | ULT. |
| 1978 | 1.000 | 1.000 | 1.000 | 1.000 | 1.002 | 1.002 | |
| 1979 | 1.000 | 1.154 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1980 | 1.072 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | |
| 1981 | 1.000 | 1.053 | 1.014 | 1.000 | 0.984 | 1.000 | |
| 1982 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| 1983 | 1.010 | 1.000 | 1.000 | 1.000 | | | |
| 1984 | 1.000 | 1.000 | 1.000 | | | | |
| 1985 | 1.000 | 1.000 | | | | | |
| 1986 | 1.000 | | | | | | |
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| 2012 | | | | | | | |
| 2013 | | | | | | | |
| 2014 | | | | | | | |
| 2015 | | | | | | | |
| 2016 | | | | | | | |
| 10-YR AVERAGE | | | | | | | |
| 3 YR AVG. | 1.000 | 1.000 | 1.000 | 1.000 | 0.995 | 1.000 | |
| 10-YR AVERAGE EXCL HI LO | | | | | | | |
| 5 YR AVG X HI LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| PRIOR SELECTED (9/30/2017) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| FACTORS FROM TAIL FACTOR STUDY | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.000 |
| SELECTED | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CUMULATIVE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

PAID LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | |
|-------------------|--------------------|-------|-------|-------|-------|-------|-------|
| | 372 | 384 | 396 | 408 | 420 | 432 | 444 |
| 1978 | 523 | 524 | 526 | 527 | 529 | 532 | 535 |
| 1979 | 622 | 629 | 635 | 642 | 649 | 655 | 655 |
| 1980 | 1,025 | 1,030 | 1,036 | 1,041 | 1,044 | 1,044 | 1,056 |
| 1981 | 2,986 | 3,059 | 3,148 | 3,316 | 3,316 | 3,458 | 3,503 |
| 1982 | 817 | 817 | 817 | 817 | 817 | 817 | |
| 1983 | 1,920 | 1,944 | 1,944 | 2,018 | 2,035 | | |
| 1984 | 1,145 | 1,145 | 1,145 | 1,145 | | | |
| 1985 | 1,625 | 1,625 | 1,625 | | | | |
| 1986 | 1,130 | 1,130 | | | | | |
| 1987 | 4,315 | | | | | | |
| 1988 | | | | | | | |
| 1989 | | | | | | | |
| 1990 | | | | | | | |
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| 2014 | | | | | | | |
| 2015 | | | | | | | |
| 2016 | | | | | | | |
| 2017 | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 372 | 384 | 396 | 408 | 420 | 432 | 444 |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| | TO |
| | 384 | 396 | 408 | 420 | 432 | 444 | ULT. |
| 1978 | 1.002 | 1.004 | 1.002 | 1.003 | 1.006 | 1.006 | |
| 1979 | 1.011 | 1.010 | 1.010 | 1.011 | 1.010 | 1.000 | |
| 1980 | 1.005 | 1.005 | 1.005 | 1.003 | 1.000 | 1.012 | |
| 1981 | 1.025 | 1.029 | 1.053 | 1.000 | | 1.013 | |
| 1982 | 1.000 | 1.000 | 1.000 | 1.000 | 1.043 | | |
| 1983 | 1.012 | 1.000 | 1.038 | 1.009 | | | |
| 1984 | 1.000 | 1.000 | 1.000 | | | | |
| 1985 | 1.000 | 1.000 | | | | | |
| 1986 | 1.000 | | | | | | |
| 1987 | | | | | | | |
| 1988 | | | | | | | |
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| 2013 | | | | | | | |
| 2014 | | | | | | | |
| 2015 | | | | | | | |
| 2016 | | | | | | | |
| 10-YR AVERAGE | | | | | | | |
| 3 YR AVG. | 1.000 | 1.000 | 1.013 | 1.003 | 1.014 | 1.008 | |
| 10-YR AVERAGE EXCL HI LO | | | | | | | |
| 5 YR AVG X HI LO | 1.000 | 1.000 | 1.014 | 1.004 | 1.005 | | |
| PRIOR SELECTED (9/30/2017) | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | |
| FACTORS FROM TAIL FACTOR STUDY | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.002 | 1.000 |
| SELECTED | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | |
| CUMULATIVE | 1.016 | 1.015 | 1.014 | 1.013 | 1.012 | 1.011 | 1.010 |

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE REPORTED CLAIM COUNT DEVELOPMENT FACTORS
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018

REPORTED CLAIM COUNT DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | | | | |
|----------------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 | 288 | 300 |
| 1978 and Prior | 10,024 | 10,024 | 10,024 | 10,024 | 10,024 | 10,024 | 10,024 | 10,024 | 10,024 | 10,024 | 10,024 | 10,024 | 10,024 |
| 1994 | 559 | 559 | 559 | 559 | 559 | 559 | 559 | 559 | 559 | 559 | 559 | 559 | 10,024 |
| 1995 | 486 | 486 | 486 | 486 | 486 | 487 | 487 | 487 | 487 | 487 | 487 | | |
| 1996 | 429 | 429 | 429 | 429 | 429 | 429 | 429 | 429 | 429 | 429 | 429 | | |
| 1997 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | 344 | | | |
| 1998 | 317 | 317 | 317 | 317 | 317 | 317 | 317 | 317 | 317 | | | | |
| 1999 | 249 | 249 | 249 | 249 | 249 | 249 | 249 | 249 | | | | | |
| 2000 | 169 | 169 | 169 | 169 | 169 | 169 | | | | | | | |
| 2001 | 209 | 209 | 209 | 209 | 209 | | | | | | | | |
| 2002 | 205 | 205 | 205 | 205 | | | | | | | | | |
| 2003 | 267 | 267 | 267 | | | | | | | | | | |
| 2004 | 193 | 193 | | | | | | | | | | | |
| 2005 | 208 | | | | | | | | | | | | |
| 2006 | | | | | | | | | | | | | |
| 2007 | | | | | | | | | | | | | |
| 2008 | | | | | | | | | | | | | |
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| 2013 | | | | | | | | | | | | | |
| 2014 | | | | | | | | | | | | | |
| 2015 | | | | | | | | | | | | | |
| 2016 | | | | | | | | | | | | | |
| 2017 | | | | | | | | | | | | | |

CLAIM COUNT DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 | 288 | 300 |
|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | TO |
| | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 | 288 | 300 | ULT. |
| 1978 and Prior | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1994 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1995 | 1.000 | 1.000 | 1.000 | 1.000 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| 1996 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 1997 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | |
| 1998 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| 1999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | |
| 2000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | |
| 2001 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | | |
| 2002 | 1.000 | 1.000 | 1.000 | | | | | | | | | | |
| 2003 | 1.000 | 1.000 | | | | | | | | | | | |
| 2004 | 1.000 | | | | | | | | | | | | |
| 2005 | | | | | | | | | | | | | |
| 2006 | | | | | | | | | | | | | |
| 2007 | | | | | | | | | | | | | |
| 2008 | | | | | | | | | | | | | |
| 2009 | | | | | | | | | | | | | |
| 2010 | | | | | | | | | | | | | |
| 2011 | | | | | | | | | | | | | |
| 2012 | | | | | | | | | | | | | |
| 2013 | | | | | | | | | | | | | |
| 2014 | | | | | | | | | | | | | |
| 2015 | | | | | | | | | | | | | |
| 2016 | | | | | | | | | | | | | |
| AVERAGE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 3 YR AVG. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| EXCL HI LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 5 YR AVG X HI/LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| PRIOR SELECTED (9/30/2017) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| SELECTED | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CUMULATIVE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE CLAIM FREQUENCY AND ULTIMATE CLAIM SEVERITY
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
LIMITED TO RETENTION

| ACCIDENT YEARS* | CLAIMS REPORTED @ 3/31/2018 | DEVELOPMENT FACTORS | ULTIMATE CLAIM COUNT | ULTIMATE LOSS | PAYROLL (\$000'S) | NUMBER OF CLAIMS PER \$MM OF PAYROLL (FREQUENCY) | AVERAGE CLAIM (SEVERITY) (WHOLE DOLLARS) |
|---------------------|-----------------------------|---------------------|----------------------|---------------|-------------------|--|--|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 2004 | 193 | 1.000 | 193 | 1,079 | 148,054 | 1.3 | \$5,592 |
| 2005 | 208 | 1.000 | 208 | 863 | 137,486 | 1.5 | 4,147 |
| 2006 | 155 | 1.000 | 155 | 697 | 161,143 | 1.0 | 4,496 |
| 2007 | 171 | 1.000 | 171 | 895 | 170,460 | 1.0 | 5,233 |
| 2008 | 171 | 1.000 | 171 | 975 | 184,267 | 0.9 | 5,700 |
| 2009 | 214 | 1.000 | 214 | 1,526 | 170,772 | 1.3 | 7,128 |
| 2010 | 235 | 1.000 | 235 | 495 | 167,276 | 1.4 | 2,107 |
| 2011 | 227 | 1.000 | 227 | 417 | 173,778 | 1.3 | 1,835 |
| 2012 | 238 | 1.000 | 238 | 1,393 | 172,037 | 1.4 | 5,851 |
| 2013 | 196 | 1.000 | 196 | 1,096 | 181,197 | 1.1 | 5,589 |
| 2014 | 175 | 1.000 | 175 | 1,908 | 190,785 | 0.9 | 10,897 |
| 2015 | 148 | 1.001 | 148 | 1,255 | 181,533 | 0.8 | 8,467 |
| 2016 | 158 | 1.004 | 159 | 1,947 | 191,761 | 0.8 | 12,274 |
| 2017 | 128 | 1.022 | 131 | 1,968 | 194,920 | 0.7 | 15,049 |
| 10/1/2017-3/31/2018 | 40 | | 77 | 931 | 97,460 | 0.8 | 12,157 |
| TOTAL | 2,657 | | 2,697 | 17,443 | | | |

Notes:

- (1) & (5) - Per CITY OF JACKSONVILLE.
 - (2) - Per CITY OF JACKSONVILLE's historical loss patterns.
 - (3) = (1) x (2). For the most recent year, we used the average of prior years.
 - (4) = Exhibit VI, Page 1, Column (5).
 - (6) = [(3) / (5)] x 1000.
 - (7) = [(4) / (3)] x 1000.
- *Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
ANALYSIS OF RESERVE CHANGE
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| | |
|---|----------------|
| 1. Estimated net undiscounted reserves at 9/30/2017 | \$4,797 |
| 2. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 9/30/2017 and prior | (\$600) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018 | \$318 |
| 4. Estimated ultimate losses for the period 10/1/2017- 3/31/2018 | \$931 |
| 5. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 10/1/2017 - 3/31/2018 | (\$130) |
| 6. Estimated net undiscounted reserves at 3/31/2018 | \$5,316 |

Notes:

- (1) - Per AMI Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VI, Page 7C, Column (3).
- (3) - Total from Exhibit VI, Page 7B, Column (3).
- (4) - See Exhibit VI, Page 1, Column (5), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$30,347 | \$30,199 | (148) |
| 1995 | 1,932 | 1,930 | (2) |
| 1996 | 1,793 | 1,790 | (3) |
| 1997 | 1,408 | 1,408 | 0 |
| 1998 | 1,191 | 1,191 | 0 |
| 1999 | 649 | 649 | 0 |
| 2000 | 672 | 672 | 0 |
| 2001 | 772 | 772 | 0 |
| 2002 | 2,068 | 2,068 | 0 |
| 2003 | 1,648 | 1,670 | 21 |
| 2004 | 1,079 | 1,079 | (0) |
| 2005 | 864 | 863 | (1) |
| 2006 | 697 | 697 | (0) |
| 2007 | 896 | 895 | (1) |
| 2008 | 973 | 975 | 2 |
| 2009 | 1,524 | 1,526 | 2 |
| 2010 | 495 | 495 | 0 |
| 2011 | 417 | 417 | 0 |
| 2012 | 1,332 | 1,393 | 61 |
| 2013 | 1,085 | 1,096 | 10 |
| 2014 | 1,884 | 1,908 | 24 |
| 2015 | 1,243 | 1,255 | 12 |
| 2016 | 1,888 | 1,947 | 59 |
| 2017 | 1,687 | 1,968 | 282 |
| TOTAL | \$58,545 | \$58,863 | 318 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VI, Page 1, Column (5).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|-----------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$29,889 | \$29,944 | \$55 |
| 1995 | 1,858 | 1,860 | 3 |
| 1996 | 1,700 | 1,701 | 0 |
| 1997 | 1,408 | 1,408 | 0 |
| 1998 | 1,191 | 1,191 | 0 |
| 1999 | 649 | 649 | 0 |
| 2000 | 672 | 672 | 0 |
| 2001 | 772 | 772 | 0 |
| 2002 | 2,068 | 2,068 | 0 |
| 2003 | 1,522 | 1,539 | 18 |
| 2004 | 872 | 876 | 4 |
| 2005 | 787 | 787 | 0 |
| 2006 | 565 | 567 | 1 |
| 2007 | 696 | 697 | 1 |
| 2008 | 775 | 784 | 9 |
| 2009 | 1,360 | 1,361 | 1 |
| 2010 | 495 | 495 | 0 |
| 2011 | 417 | 417 | 0 |
| 2012 | 1,126 | 1,170 | 44 |
| 2013 | 828 | 829 | 0 |
| 2014 | 1,444 | 1,506 | 62 |
| 2015 | 894 | 899 | 5 |
| 2016 | 1,225 | 1,346 | 121 |
| 2017 | 536 | 810 | 274 |
| TOTAL | \$53,747 | \$54,347 | \$600 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VI, Page 1, Column (6).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF TOTAL RESERVES
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Electric Authority
(\$AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @3/31/2018 | CASE RESERVES @3/31/2018 | INCURRED LOSSES @3/31/2018 | SELECTED ULTIMATE LOSSES | LOSS RESERVES @3/31/2018 |
|-----------------|------------------------|--------------------------|----------------------------|--------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) |
| 1978 and Prior | 364 | 0 | 364 | 364 | 0 |
| 1979 | 176 | 0 | 176 | 176 | 0 |
| 1980 | 91 | 0 | 91 | 91 | 0 |
| 1981 | 349 | 0 | 349 | 349 | 0 |
| 1982 | 588 | 0 | 588 | 588 | 0 |
| 1983 | 906 | 138 | 1,044 | 1,016 | 109 |
| 1984 | 526 | 0 | 526 | 526 | 0 |
| 1985 | 770 | 0 | 770 | 770 | 0 |
| 1986 | 466 | 0 | 466 | 466 | 0 |
| 1987 | 498 | 16 | 514 | 531 | 33 |
| 1988 | 2,160 | 0 | 2,160 | 2,160 | 0 |
| 1989 | 1,091 | 40 | 1,131 | 1,125 | 34 |
| 1990 | 410 | 0 | 410 | 410 | 0 |
| 1991 | 1,796 | 0 | 1,796 | 1,796 | 0 |
| 1992 | 2,185 | 0 | 2,185 | 2,185 | 0 |
| 1993 | 555 | 0 | 555 | 555 | 0 |
| 1994 | 510 | 3 | 514 | 531 | 21 |
| 1995 | 535 | 61 | 596 | 605 | 70 |
| 1996 | 452 | 80 | 533 | 542 | 89 |
| 1997 | 984 | 0 | 984 | 984 | 0 |
| 1998 | 776 | 0 | 776 | 776 | 0 |
| 1999 | 300 | 0 | 300 | 300 | 0 |
| 2000 | 394 | 0 | 394 | 394 | 0 |
| 2001 | 158 | 0 | 158 | 158 | 0 |
| 2002 | 1,737 | 0 | 1,737 | 1,737 | 0 |
| 2003 | 1,171 | 94 | 1,265 | 1,301 | 130 |
| 2004 | 451 | 213 | 665 | 655 | 204 |
| 2005 | 349 | 31 | 380 | 425 | 76 |
| 2006 | 442 | 120 | 562 | 572 | 130 |
| 2007 | 388 | 18 | 406 | 406 | 19 |
| 2008 | 297 | 4 | 302 | 302 | 5 |
| 2009 | 789 | 0 | 789 | 789 | 0 |
| 2010 | 147 | 0 | 147 | 147 | 0 |
| 2011 | 119 | 0 | 119 | 119 | 0 |
| 2012 | 527 | 42 | 569 | 640 | 113 |
| 2013 | 492 | 59 | 550 | 585 | 93 |
| 2014 | 1,083 | 238 | 1,321 | 1,485 | 402 |
| 2015 | 609 | 87 | 696 | 782 | 173 |
| 2016 | 581 | 85 | 666 | 835 | 254 |
| 2017 | 581 | 428 | 1,008 | 1,527 | 947 |
| 2018 | 88 | 134 | 223 | 410 | 322 |
| TOTAL | \$26,893 | \$1,892 | \$28,785 | \$30,116 | \$3,223 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VI, Page 1, Column (7) , based on case reserves.

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Electric Authority
(\$AMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED ULTIMATE LOSSES | RETENTION LIMIT | PAYROLL | LOSS RATE |
|--------------------------------------|--------------------------|-----------------|---------|-----------|
| | (1) | (2) | (3) | (4) |
| 1993 and Prior | \$13,108 | **various | N/A | N/A |
| 1994 | 531 | 1,000 | 61,766 | 0.0086 |
| 1995 | 605 | 1,000 | 63,095 | 0.0096 |
| 1996 | 542 | 1,000 | 67,224 | 0.0081 |
| 1997 | 984 | 1,000 | 69,156 | 0.0142 |
| 1998 | 776 | 1,000 | 74,665 | 0.0104 |
| 1999 | 300 | 1,000 | 79,194 | 0.0038 |
| 2000 | 394 | 1,000 | 69,876 | 0.0056 |
| 2001 | 158 | 1,000 | 78,920 | 0.0020 |
| 2002 | 1,737 | 1,000 | 84,291 | 0.0206 |
| 2003 | 1,301 | 1,200 | 87,189 | 0.0149 |
| 2004 | 655 | 1,200 | 95,138 | 0.0069 |
| 2005 | 425 | 1,200 | 80,545 | 0.0053 |
| 2006 | 572 | 1,200 | 100,553 | 0.0057 |
| 2007 | 406 | 1,200 | 106,527 | 0.0038 |
| 2008 | 302 | 1,200 | 117,539 | 0.0026 |
| 2009 | 789 | 1,200 | 107,365 | 0.0074 |
| 2010 | 147 | 1,200 | 106,026 | 0.0014 |
| 2011 | 119 | 1,200 | 115,431 | 0.0010 |
| 2012 | 640 | 1,200 | 111,318 | 0.0057 |
| 2013 | 585 | 1,200 | 115,771 | 0.0051 |
| 2014 | 1,485 | 1,250 | 122,387 | 0.0121 |
| 2015 | 782 | 1,250 | 117,037 | 0.0067 |
| 2016 | 835 | 1,250 | 122,973 | 0.0068 |
| 2017 | 1,527 | 1,250 | 124,989 | 0.0122 |
| 10/1/2017-3/31/2018 | 410 | 1,250 | 62,494 | 0.0066 |
| (PROJ.) 4/1/2018 to 9/30/2018 | 511 | 1,250 | 62,494 | 0.0082 |
| (PROJ.) 2018/2019 | 1,062 | 1,250 | 127,489 | 0.0083 |
| (PROJ.) 2019/2020 | 1,105 | 1,250 | 130,038 | 0.0085 |
| (PROJ.) 2020/2021 | 1,150 | 1,250 | 132,639 | 0.0087 |
| (PROJ.) 2021/2022 | 1,196 | 1,250 | 135,292 | 0.0088 |
| (PROJ.) 2022/2023 | 1,245 | 1,250 | 137,998 | 0.0090 |

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEARS* | 55% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (9) | (10) |
| 4/1/2018 to 9/30/2018 | \$511 | \$567 | \$586 | \$607 | \$630 | \$664 |
| 2018/2019 | \$1,062 | \$1,178 | \$1,217 | \$1,262 | \$1,309 | \$1,380 |
| 2019/2020 | \$1,105 | \$1,226 | \$1,266 | \$1,313 | \$1,362 | \$1,436 |
| 2020/2021 | \$1,150 | \$1,276 | \$1,318 | \$1,366 | \$1,417 | \$1,494 |
| 2021/2022 | \$1,196 | \$1,327 | \$1,371 | \$1,421 | \$1,474 | \$1,554 |
| 2022/2023 | \$1,245 | \$1,381 | \$1,427 | \$1,479 | \$1,534 | \$1,618 |

Notes:

- (1) - Exhibit VI-A, Page 1, Column (4). For the projection years (1) = (3) x (4).
- (2) & (3) - Per CITY OF JACKSONVILLE.
- (4) = (1) / (3). For the projected year, it is the average of prior years adjusted for changed in retention.
- (5) = Projected losses in Column (1).
- (6) to (10) - Based on Monte Carlo Simulation Approach.

**Retention for 1993 and Prior

| Claim Period | Retention Limit |
|---------------------|-----------------|
| 10/01/77 - 09/30/80 | 500 |
| 10/01/80 - 09/30/82 | 1000 |
| 10/01/82 - 10/31/86 | 250 |
| 11/01/86 - 09/30/91 | 1000 |

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Electric Authority
(\$AMTS IN THOUSANDS)

| | |
|---|----------------|
| 1. Estimated net undiscounted reserves at 9/30/2017 | \$3,011 |
| 2. Loss payments during 10/1/2017 -3/31/2018 for the accident period 9/30/2017 and prior | (\$373) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018 | \$263 |
| 4. Estimated ultimate losses for the period 10/1/2017-3/31/2018 | \$410 |
| 5. Loss payments during 10/1/2017 -3/31/2018 for the accident period 10/1/2017 -3/31/2018 | (\$88) |
| 6. Estimated net undiscounted reserves at 3/31/2018 | \$3,223 |

Notes:

- (1) - Per Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VI-A, Page 3C, Column (3).
- (3) - Total from Exhibit VI-A, Page 3B, Column (3).
- (4) - See Exhibit VI-A, Page 1 of 3, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Electric Authority
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$13,739 | \$13,639 | (\$100) |
| 1995 | 607 | 605 | (2) |
| 1996 | 544 | 542 | (3) |
| 1997 | 984 | 984 | 0 |
| 1998 | 776 | 776 | 0 |
| 1999 | 300 | 300 | 0 |
| 2000 | 394 | 394 | 0 |
| 2001 | 158 | 158 | 0 |
| 2002 | 1,737 | 1,737 | 0 |
| 2003 | 1,279 | 1,301 | 21 |
| 2004 | 655 | 655 | (0) |
| 2005 | 426 | 425 | (1) |
| 2006 | 573 | 572 | (0) |
| 2007 | 406 | 406 | (0) |
| 2008 | 303 | 302 | (0) |
| 2009 | 789 | 789 | 0 |
| 2010 | 147 | 147 | 0 |
| 2011 | 119 | 119 | 0 |
| 2012 | 569 | 640 | 71 |
| 2013 | 581 | 585 | 4 |
| 2014 | 1,462 | 1,485 | 24 |
| 2015 | 771 | 782 | 11 |
| 2016 | 824 | 835 | 11 |
| 2017 | 1,299 | 1,527 | 229 |
| TOTAL | \$29,443 | \$29,706 | \$263 |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VI-A, Page 1 of 3, Column (4).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Electric Authority
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|-------------------|-------------------|----------------------------|
| | @9/30/2017 (1) | @3/31/2018 (2) | |
| 1994 and Prior | \$13,399 | \$13,442 | \$43 |
| 1995 | 533 | 535 | 3 |
| 1996 | 452 | 452 | 0 |
| 1997 | 984 | 984 | 0 |
| 1998 | 776 | 776 | 0 |
| 1999 | 300 | 300 | 0 |
| 2000 | 394 | 394 | 0 |
| 2001 | 158 | 158 | 0 |
| 2002 | 1,737 | 1,737 | 0 |
| 2003 | 1,153 | 1,171 | 18 |
| 2004 | 448 | 451 | 4 |
| 2005 | 349 | 349 | 0 |
| 2006 | 440 | 442 | 1 |
| 2007 | 386 | 388 | 1 |
| 2008 | 295 | 297 | 3 |
| 2009 | 789 | 789 | 0 |
| 2010 | 147 | 147 | 0 |
| 2011 | 119 | 119 | 0 |
| 2012 | 492 | 527 | 35 |
| 2013 | 491 | 492 | 0 |
| 2014 | 1,022 | 1,083 | 62 |
| 2015 | 605 | 609 | 4 |
| 2016 | 577 | 581 | 4 |
| 2017 | 385 | 581 | 196 |
| TOTAL | \$26,432 | \$26,805 | \$373 |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VI-A, Page 1 of 3, Column (1).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF TOTAL RESERVES
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Electric Authority-Water and Sewer
(\$AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @3/31/2018 (1) | CASE RESERVES @3/31/2018 (2) | INCURRED LOSSES @3/31/2018 (3) | SELECTED ULTIMATE LOSSES (4) | LOSS RESERVES @3/31/2018 (5) |
|-----------------|-------------------------------|---------------------------------|-----------------------------------|---------------------------------|---------------------------------|
| 1978 and Prior | 163 | 0 | 163 | 163 | 0 |
| 1979 | 432 | 0 | 432 | 432 | 0 |
| 1980 | 384 | 0 | 384 | 384 | 0 |
| 1981 | 2,544 | 0 | 2,544 | 2,544 | 0 |
| 1982 | 51 | 0 | 51 | 51 | 0 |
| 1983 | 383 | 0 | 383 | 383 | 0 |
| 1984 | 485 | 0 | 485 | 485 | 0 |
| 1985 | 340 | 0 | 340 | 340 | 0 |
| 1986 | 505 | 0 | 505 | 505 | 0 |
| 1987 | 372 | 0 | 372 | 372 | 0 |
| 1988 | 188 | 0 | 188 | 188 | 0 |
| 1989 | 405 | 36 | 441 | 436 | 31 |
| 1990 | 2,109 | 0 | 2,109 | 2,109 | 0 |
| 1991 | 425 | 0 | 425 | 425 | 0 |
| 1992 | 436 | 0 | 436 | 436 | 0 |
| 1993 | 790 | 0 | 790 | 790 | 0 |
| 1994 | 894 | 0 | 894 | 894 | 0 |
| 1995 | 1,234 | 0 | 1,234 | 1,234 | 0 |
| 1996 | 151 | 0 | 151 | 151 | 0 |
| 1997 | 278 | 0 | 278 | 278 | 0 |
| 1998 | 42 | 0 | 42 | 42 | 0 |
| 1999 | 60 | 0 | 60 | 60 | 0 |
| 2000 | 46 | 0 | 46 | 46 | 0 |
| 2001 | 309 | 0 | 309 | 309 | 0 |
| 2002 | 45 | 0 | 45 | 45 | 0 |
| 2003 | 223 | 0 | 223 | 223 | 0 |
| 2004 | 195 | 0 | 195 | 195 | 0 |
| 2005 | 213 | 0 | 213 | 213 | 0 |
| 2006 | 7 | 0 | 7 | 7 | 0 |
| 2007 | 91 | 175 | 266 | 270 | 179 |
| 2008 | 363 | 163 | 526 | 549 | 186 |
| 2009 | 58 | 0 | 58 | 58 | 0 |
| 2010 | 268 | 0 | 268 | 268 | 0 |
| 2011 | 38 | 0 | 38 | 38 | 0 |
| 2012 | 28 | 0 | 28 | 28 | 0 |
| 2013 | 167 | 109 | 276 | 340 | 173 |
| 2014 | 48 | 0 | 48 | 48 | 0 |
| 2015 | 59 | 0 | 59 | 59 | 0 |
| 2016 | 87 | 12 | 99 | 123 | 36 |
| 2017 | 102 | 23 | 124 | 151 | 50 |
| 2018 | 17 | 93 | 110 | 240 | 224 |
| TOTAL | \$15,034 | \$612 | \$15,646 | \$15,913 | \$879 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VI, Page 1, Column (7) , based on case reserves.

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Electric Authority-Water and Sewer
(SAMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED ULTIMATE LOSSES | RETENTION LIMIT | PAYROLL | LOSS RATE |
|--------------------------------------|--------------------------|-----------------|---------|-----------|
| | (1) | (2) | (3) | (4) |
| 1978 and Prior | \$10,044 | **various | N/A | N/A |
| 1994 | 894 | 1,000 | N/A | N/A |
| 1995 | 1,234 | 1,000 | N/A | N/A |
| 1996 | 151 | 1,000 | 22,225 | 0.0068 |
| 1997 | 278 | 1,000 | 22,892 | 0.0121 |
| 1998 | 42 | 1,000 | 23,579 | 0.0018 |
| 1999 | 60 | 1,000 | 25,266 | 0.0024 |
| 2000 | 46 | 1,000 | 22,786 | 0.0020 |
| 2001 | 309 | 1,000 | 21,663 | 0.0143 |
| 2002 | 45 | 1,000 | 23,137 | 0.0019 |
| 2003 | 223 | 1,200 | 23,933 | 0.0093 |
| 2004 | 195 | 1,200 | 26,115 | 0.0075 |
| 2005 | 213 | 1,200 | 27,733 | 0.0077 |
| 2006 | 7 | 1,200 | 31,025 | 0.0002 |
| 2007 | 270 | 1,200 | 32,868 | 0.0082 |
| 2008 | 549 | 1,200 | 36,266 | 0.0151 |
| 2009 | 58 | 1,200 | 33,116 | 0.0017 |
| 2010 | 268 | 1,200 | 32,703 | 0.0082 |
| 2011 | 38 | 1,200 | 26,096 | 0.0014 |
| 2012 | 28 | 1,200 | 28,608 | 0.0010 |
| 2013 | 340 | 1,200 | 32,698 | 0.0104 |
| 2014 | 48 | 1,250 | 34,218 | 0.0014 |
| 2015 | 59 | 1,250 | 30,345 | 0.0019 |
| 2016 | 123 | 1,250 | 31,884 | 0.0039 |
| 2017 | 151 | 1,250 | 31,826 | 0.0048 |
| 10/1/2017-3/31/2018 | 240 | 1,250 | 15,913 | 0.0151 |
| (PROJ.) 4/1/2018 to 9/30/2018 | \$62 | 1,250 | 15,913 | 0.0039 |
| (PROJ.) 2018/2019 | 130 | 1,250 | 32,463 | 0.0040 |
| (PROJ.) 2019/2020 | 135 | 1,250 | 33,112 | 0.0041 |
| (PROJ.) 2020/2021 | 141 | 1,250 | 33,774 | 0.0042 |
| (PROJ.) 2021/2022 | 146 | 1,250 | 34,450 | 0.0042 |
| (PROJ.) 2022/2023 | 152 | 1,250 | 35,139 | 0.0043 |

SECTION 2- FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEARS* | 55% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (9) | (10) |
| 4/1/2018 to 9/30/2018 | \$62 | \$69 | \$71 | \$74 | \$76 | \$81 |
| 2018/2019 | \$130 | \$144 | \$149 | \$154 | \$160 | \$169 |
| 2019/2020 | \$135 | \$150 | \$155 | \$160 | \$166 | \$175 |
| 2020/2021 | \$141 | \$156 | \$162 | \$168 | \$174 | \$183 |
| 2021/2022 | \$146 | \$162 | \$167 | \$173 | \$180 | \$190 |
| 2022/2023 | \$152 | \$169 | \$174 | \$181 | \$187 | \$198 |

Notes:

- (1) - Exhibit VI-B, Page 1, Column (4). For the projection years (1) = (3) x (4).
- (2) & (3) - Per CITY OF JACKSONVILLE.
- (4) = (1) / (3). For the projected year, it is the average of prior years adjusted for changed in retention.
- (5) = Projected losses in Column (1).
- (6) to (10) - Based on Monte Carlo Simulation Approach.

**Retention for 1993 and Prior

| Claim Period | Retention Limit |
|---------------------|-----------------|
| 10/01/77 - 09/30/80 | 500 |
| 10/01/80 - 09/30/82 | 1000 |
| 10/01/82 - 10/31/86 | 250 |
| 11/01/86 - 09/30/91 | 1000 |

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Electric Authority-Water and Sewer
(\$AMTS IN THOUSANDS)

| | |
|---|---------------|
| 1. Estimated net undiscounted reserves at 9/30/2017 | \$736 |
| 2. Loss payments during 10/1/2017 -3/31/2018 for the accident period 9/30/2017 and prior | (\$44) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018 | (\$37) |
| 4. Estimated ultimate losses for the period 10/1/2017-3/31/2018 | \$240 |
| 5. Loss payments during 10/1/2017 -3/31/2018 for the accident period 10/1/2017 -3/31/2018 | (\$17) |
| 6. Estimated net undiscounted reserves at 3/31/2018 | \$879 |

Notes:

- (1) - Per AMI Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VI-B, Page 3C, Column (3).
- (3) - Total from Exhibit VI-B, Page 3B, Column (3).
- (4) - See Exhibit VI-B, Page 1 of 3, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Electric Authority-Water and Sewer
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$10,987 | \$10,938 | (\$49) |
| 1995 | 1,234 | 1,234 | 0 |
| 1996 | 151 | 151 | 0 |
| 1997 | 278 | 278 | 0 |
| 1998 | 42 | 42 | 0 |
| 1999 | 60 | 60 | 0 |
| 2000 | 46 | 46 | 0 |
| 2001 | 309 | 309 | 0 |
| 2002 | 45 | 45 | 0 |
| 2003 | 223 | 223 | 0 |
| 2004 | 195 | 195 | 0 |
| 2005 | 213 | 213 | 0 |
| 2006 | 7 | 7 | 0 |
| 2007 | 271 | 270 | (1) |
| 2008 | 547 | 549 | 2 |
| 2009 | 58 | 58 | 0 |
| 2010 | 268 | 268 | 0 |
| 2011 | 38 | 38 | 0 |
| 2012 | 28 | 28 | 0 |
| 2013 | 333 | 340 | 7 |
| 2014 | 48 | 48 | 0 |
| 2015 | 59 | 59 | 0 |
| 2016 | 119 | 123 | 4 |
| 2017 | 152 | 151 | (0) |
| TOTAL | \$15,710 | \$15,673 | (\$37) |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VI-B, Page 1 of 3, Column (4).

(3) = (2) - (1).

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Electric Authority-Water and Sewer
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|-----------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$10,898 | \$10,907 | \$10 |
| 1995 | 1,234 | 1,234 | 0 |
| 1996 | 151 | 151 | 0 |
| 1997 | 278 | 278 | 0 |
| 1998 | 42 | 42 | 0 |
| 1999 | 60 | 60 | 0 |
| 2000 | 46 | 46 | 0 |
| 2001 | 309 | 309 | 0 |
| 2002 | 45 | 45 | 0 |
| 2003 | 223 | 223 | 0 |
| 2004 | 195 | 195 | 0 |
| 2005 | 213 | 213 | 0 |
| 2006 | 7 | 7 | 0 |
| 2007 | 91 | 91 | 0 |
| 2008 | 356 | 363 | 7 |
| 2009 | 58 | 58 | 0 |
| 2010 | 268 | 268 | 0 |
| 2011 | 38 | 38 | 0 |
| 2012 | 28 | 28 | 0 |
| 2013 | 167 | 167 | 0 |
| 2014 | 48 | 48 | 0 |
| 2015 | 59 | 59 | 0 |
| 2016 | 87 | 87 | 0 |
| 2017 | 74 | 102 | 27 |
| TOTAL | \$14,974 | \$15,018 | \$44 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VI-B, Page 1 of 3, Column (1).

(3) = (2) - (1).

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF TOTAL RESERVES
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Housing Authority
(\$AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @3/31/2018 (1) | CASE RESERVES @3/31/2018 (2) | INCURRED LOSSES @3/31/2018 (3) | SELECTED ULTIMATE LOSSES (4) | LOSS RESERVES @3/31/2018 (5) |
|-----------------|-------------------------------|---------------------------------|-----------------------------------|---------------------------------|---------------------------------|
| 1978 and Prior | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 38 | 0 | 38 | 38 | 0 |
| 1981 | 1 | 0 | 1 | 1 | 0 |
| 1982 | 92 | 0 | 92 | 92 | 0 |
| 1983 | 54 | 0 | 54 | 54 | 0 |
| 1984 | 44 | 0 | 44 | 44 | 0 |
| 1985 | 78 | 0 | 78 | 78 | 0 |
| 1986 | 12 | 0 | 12 | 12 | 0 |
| 1987 | 16 | 0 | 16 | 16 | 0 |
| 1988 | 47 | 0 | 47 | 47 | 0 |
| 1989 | 10 | 0 | 10 | 10 | 0 |
| 1990 | 35 | 0 | 35 | 35 | 0 |
| 1991 | 18 | 0 | 18 | 18 | 0 |
| 1992 | 21 | 0 | 21 | 21 | 0 |
| 1993 | 221 | 0 | 221 | 221 | 0 |
| 1994 | 18 | 0 | 18 | 18 | 0 |
| 1995 | 9 | 0 | 9 | 9 | 0 |
| 1996 | 1,078 | 0 | 1,078 | 1,078 | 0 |
| 1997 | 90 | 0 | 90 | 90 | 0 |
| 1998 | 94 | 0 | 94 | 94 | 0 |
| 1999 | 49 | 0 | 49 | 49 | 0 |
| 2000 | 22 | 0 | 22 | 22 | 0 |
| 2001 | 129 | 0 | 129 | 129 | 0 |
| 2002 | 139 | 0 | 139 | 139 | 0 |
| 2003 | 67 | 0 | 67 | 67 | 0 |
| 2004 | 71 | 0 | 71 | 71 | 0 |
| 2005 | 184 | 0 | 184 | 184 | 0 |
| 2006 | 64 | 0 | 64 | 64 | 0 |
| 2007 | 124 | 0 | 124 | 124 | 0 |
| 2008 | 86 | 0 | 86 | 86 | 0 |
| 2009 | 199 | 51 | 251 | 364 | 165 |
| 2010 | 62 | 0 | 62 | 62 | 0 |
| 2011 | 113 | 0 | 113 | 113 | 0 |
| 2012 | 277 | 0 | 277 | 277 | 0 |
| 2013 | 63 | 0 | 63 | 63 | 0 |
| 2014 | 104 | 0 | 104 | 104 | 0 |
| 2015 | 70 | 0 | 70 | 70 | 0 |
| 2016 | 318 | 87 | 405 | 576 | 258 |
| 2017 | 54 | 39 | 93 | 141 | 87 |
| 2018 | 8 | 14 | 22 | 42 | 34 |
| TOTAL | \$4,179 | \$191 | \$4,370 | \$4,722 | \$544 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VI, Page 1, Column (7), based on case reserves.

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Housing Authority
(\$AMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED ULTIMATE LOSSES | RETENTION LIMIT | PAYROLL | LOSS RATE |
|--------------------------------------|--------------------------|-----------------|---------|-----------|
| | (1) | (2) | (3) | (4) |
| 1993 and Prior | \$688 | **various | N/A | N/A |
| 1994 | 18 | 1,000 | N/A | N/A |
| 1995 | 9 | 1,000 | N/A | N/A |
| 1996 | 1,078 | 1,000 | 3,624 | 0.2976 |
| 1997 | 90 | 1,000 | 5,611 | 0.0160 |
| 1998 | 94 | 1,000 | 6,343 | 0.0148 |
| 1999 | 49 | 1,000 | 6,751 | 0.0072 |
| 2000 | 22 | 1,000 | 7,034 | 0.0031 |
| 2001 | 129 | 1,000 | 7,237 | 0.0178 |
| 2002 | 139 | 1,000 | 7,572 | 0.0184 |
| 2003 | 67 | 1,200 | 7,835 | 0.0085 |
| 2004 | 71 | 1,200 | 8,107 | 0.0087 |
| 2005 | 184 | 1,200 | 8,247 | 0.0223 |
| 2006 | 64 | 1,200 | 8,302 | 0.0078 |
| 2007 | 124 | 1,200 | 8,252 | 0.0150 |
| 2008 | 86 | 1,200 | 7,731 | 0.0111 |
| 2009 | 364 | 1,200 | 8,487 | 0.0429 |
| 2010 | 62 | 1,200 | 8,251 | 0.0075 |
| 2011 | 113 | 1,200 | 8,137 | 0.0138 |
| 2012 | 277 | 1,200 | 8,312 | 0.0333 |
| 2013 | 63 | 1,200 | 8,250 | 0.0077 |
| 2014 | 104 | 1,250 | 7,705 | 0.0135 |
| 2015 | 70 | 1,250 | 7,386 | 0.0094 |
| 2016 | 576 | 1,250 | 7,202 | 0.0800 |
| 2017 | 141 | 1,250 | 6,809 | 0.0207 |
| 10/1/2017-3/31/2018 | 42 | 1,250 | 3,404 | 0.0122 |
| (PROJ.) 4/1/2018 to 9/30/2018 | \$94 | 1,250 | 3,404 | 0.0277 |
| (PROJ.) 2018/2019 | 196 | 1,250 | 6,945 | 0.0282 |
| (PROJ.) 2019/2020 | 204 | 1,250 | 7,084 | 0.0288 |
| (PROJ.) 2020/2021 | 212 | 1,250 | 7,226 | 0.0294 |
| (PROJ.) 2021/2022 | 221 | 1,250 | 7,370 | 0.0299 |
| (PROJ.) 2022/2023 | 230 | 1,250 | 7,518 | 0.0305 |

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEARS* | 50% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (9) | (10) |
| 4/1/2018 to 9/30/2018 | \$94 | \$104 | \$108 | \$112 | \$116 | \$122 |
| 2018/2019 | \$196 | \$217 | \$225 | \$233 | \$242 | \$255 |
| 2019/2020 | \$204 | \$226 | \$234 | \$242 | \$251 | \$265 |
| 2020/2021 | \$212 | \$235 | \$243 | \$252 | \$261 | \$275 |
| 2021/2022 | \$221 | \$245 | \$253 | \$263 | \$272 | \$287 |
| 2022/2023 | \$230 | \$255 | \$264 | \$273 | \$283 | \$299 |

Notes:

- (1) - Exhibit VI-C, Page 1, Column (4). For the projection years (1) = (3) x (4).
- (2) & (3) - Per CITY OF JACKSONVILLE.
- (4) = (1) / (3). For the projected year, it is the average of prior years adjusted for changed in retention.
- (5) = Projected losses in Column (1).
- (6) to (10) - Based on Monte Carlo Simulation Approach.

**Retention for 1993 and Prior

| Claim Period | Retention Limit |
|---------------------|-----------------|
| 10/01/77 - 09/30/80 | 500 |
| 10/01/80 - 09/30/82 | 1000 |
| 10/01/82 - 10/31/86 | 250 |
| 11/01/86 - 09/30/91 | 1000 |

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Housing Authority
(\$AMTS IN THOUSANDS)

| | |
|---|----------------|
| 1. Estimated net undiscounted reserves at 9/30/2017 | \$604 |
| 2. Loss payments during 10/1/2017 -3/31/2018 for the accident period 9/30/2017 and prior | (\$130) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018 | \$36 |
| 4. Estimated ultimate losses for the period 10/1/2017-3/31/2018 | \$42 |
| 5. Loss payments during 10/1/2017 -3/31/2018 for the accident period 10/1/2017 -3/31/2018 | (\$8) |
| 6. Estimated net undiscounted reserves at 3/31/2018 | \$544 |

Notes:

- (1) - Per AMI Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VI-C, Page 3C, Column (3).
- (3) - Total from Exhibit VI-C, Page 3B, Column (3).
- (4) - See Exhibit VI-C, Page 1 of 3, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Housing Authority
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$706 | \$706 | 0 |
| 1995 | 9 | 9 | 0 |
| 1996 | 1,078 | 1,078 | 0 |
| 1997 | 90 | 90 | 0 |
| 1998 | 94 | 94 | 0 |
| 1999 | 49 | 49 | 0 |
| 2000 | 22 | 22 | 0 |
| 2001 | 129 | 129 | 0 |
| 2002 | 139 | 139 | 0 |
| 2003 | 67 | 67 | 0 |
| 2004 | 71 | 71 | 0 |
| 2005 | 184 | 184 | 0 |
| 2006 | 64 | 64 | 0 |
| 2007 | 124 | 124 | 0 |
| 2008 | 86 | 86 | 0 |
| 2009 | 362 | 364 | 2 |
| 2010 | 62 | 62 | 0 |
| 2011 | 113 | 113 | 0 |
| 2012 | 277 | 277 | 0 |
| 2013 | 63 | 63 | 0 |
| 2014 | 104 | 104 | 0 |
| 2015 | 70 | 70 | 0 |
| 2016 | 536 | 576 | 40 |
| 2017 | 147 | 141 | (6) |
| TOTAL | \$4,645 | \$4,681 | 36 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VI-C, Page 1 of 3, Column (4).

(3) = (2) - (1).

*Accident years prior to 2015 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Housing Authority
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|----------------|----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$706 | \$706 | 0 |
| 1995 | 9 | 9 | 0 |
| 1996 | 1,078 | 1,078 | 0 |
| 1997 | 90 | 90 | 0 |
| 1998 | 94 | 94 | 0 |
| 1999 | 49 | 49 | 0 |
| 2000 | 22 | 22 | 0 |
| 2001 | 129 | 129 | 0 |
| 2002 | 139 | 139 | 0 |
| 2003 | 67 | 67 | 0 |
| 2004 | 71 | 71 | 0 |
| 2005 | 184 | 184 | 0 |
| 2006 | 64 | 64 | 0 |
| 2007 | 124 | 124 | 0 |
| 2008 | 86 | 86 | 0 |
| 2009 | 198 | 199 | 1 |
| 2010 | 62 | 62 | 0 |
| 2011 | 113 | 113 | 0 |
| 2012 | 277 | 277 | 0 |
| 2013 | 63 | 63 | 0 |
| 2014 | 104 | 104 | 0 |
| 2015 | 70 | 70 | 0 |
| 2016 | 201 | 318 | 117 |
| 2017 | 41 | 54 | 13 |
| TOTAL | \$4,041 | \$4,171 | 130 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VI-C, Page 1 of 3, Column (1).

(3) = (2) - (1).

*Accident years prior to 2015 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF TOTAL RESERVES
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Port Authority
(\$AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @ 3/31/2018 (1) | CASE RESERVES @ 3/31/2018 (2) | INCURRED LOSSES @ 3/31/2018 (3) | SELECTED ULTIMATE LOSSES (4) | LOSS RESERVES @ 3/31/2018 (5) |
|-----------------|--------------------------------|----------------------------------|------------------------------------|---------------------------------|----------------------------------|
| 1978 and Prior | 9 | 0 | 9 | 9 | 0 |
| 1979 | 15 | 0 | 15 | 15 | 0 |
| 1980 | 280 | 37 | 317 | 307 | 27 |
| 1981 | 24 | 0 | 24 | 24 | 0 |
| 1982 | 86 | 0 | 86 | 86 | 0 |
| 1983 | 696 | 0 | 696 | 696 | 0 |
| 1984 | 81 | 0 | 81 | 81 | 0 |
| 1985 | 25 | 0 | 25 | 25 | 0 |
| 1986 | 118 | 0 | 118 | 118 | 0 |
| 1987 | 1,017 | 0 | 1,017 | 1,017 | 0 |
| 1988 | 49 | 0 | 49 | 49 | 0 |
| 1989 | 19 | 0 | 19 | 19 | 0 |
| 1990 | 13 | 0 | 13 | 13 | 0 |
| 1991 | 34 | 0 | 34 | 34 | 0 |
| 1992 | 39 | 0 | 39 | 39 | 0 |
| 1993 | 24 | 0 | 24 | 24 | 0 |
| 1994 | 9 | 0 | 9 | 9 | 0 |
| 1995 | 25 | 0 | 25 | 25 | 0 |
| 1996 | 19 | 0 | 19 | 19 | 0 |
| 1997 | 35 | 0 | 35 | 35 | 0 |
| 1998 | 26 | 0 | 26 | 26 | 0 |
| 1999 | 134 | 0 | 134 | 134 | 0 |
| 2000 | 56 | 0 | 56 | 56 | 0 |
| 2001 | 6 | 0 | 6 | 6 | 0 |
| 2002 | 131 | 0 | 131 | 131 | 0 |
| 2003 | 38 | 0 | 38 | 38 | 0 |
| 2004 | 3 | 0 | 3 | 3 | 0 |
| 2005 | 1 | 0 | 1 | 1 | 0 |
| 2006 | 2 | 0 | 2 | 2 | 0 |
| 2007 | 33 | 0 | 33 | 33 | 0 |
| 2008 | 6 | 0 | 6 | 6 | 0 |
| 2009 | 85 | 0 | 85 | 85 | 0 |
| 2010 | 6 | 0 | 6 | 6 | 0 |
| 2011 | 29 | 0 | 29 | 29 | 0 |
| 2012 | 142 | 41 | 183 | 252 | 110 |
| 2013 | 1 | 0 | 1 | 1 | 0 |
| 2014 | 27 | 0 | 27 | 27 | 0 |
| 2015 | 61 | 0 | 61 | 61 | 0 |
| 2016 | 113 | 0 | 113 | 113 | 0 |
| 2017 | 46 | 27 | 73 | 106 | 60 |
| 2018 | 7 | 41 | 48 | 105 | 98 |
| TOTAL | \$3,572 | \$146 | \$3,718 | \$3,867 | \$296 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VI, Page 1, Column (7), based on case reserves.

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Port Authority
(SAMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED ULTIMATE LOSSES | RETENTION LIMIT | PAYROLL | LOSS RATE |
|--------------------------------------|--------------------------|-----------------|---------|-----------|
| | (1) | (2) | (3) | (4) |
| 1993 and Prior | \$2,557 | **various | N/A | N/A |
| 1994 | 9 | 1,000 | 10,197 | 0.0009 |
| 1995 | 25 | 1,000 | 10,461 | 0.0024 |
| 1996 | 19 | 1,000 | 5,160 | 0.0038 |
| 1997 | 35 | 1,000 | 5,301 | 0.0066 |
| 1998 | 26 | 1,000 | 5,798 | 0.0045 |
| 1999 | 134 | 1,000 | 6,024 | 0.0223 |
| 2000 | 56 | 1,000 | 6,673 | 0.0084 |
| 2001 | 6 | 1,000 | 6,872 | 0.0009 |
| 2002 | 131 | 1,000 | 5,593 | 0.0234 |
| 2003 | 38 | 1,200 | 6,593 | 0.0057 |
| 2004 | 3 | 1,200 | 7,945 | 0.0003 |
| 2005 | 1 | 1,200 | 8,224 | 0.0001 |
| 2006 | 2 | 1,200 | 7,795 | 0.0003 |
| 2007 | 33 | 1,200 | 9,969 | 0.0033 |
| 2008 | 6 | 1,200 | 10,632 | 0.0006 |
| 2009 | 85 | 1,200 | 9,080 | 0.0093 |
| 2010 | 6 | 1,200 | 8,593 | 0.0007 |
| 2011 | 29 | 1,200 | 10,979 | 0.0026 |
| 2012 | 252 | 1,200 | 10,411 | 0.0242 |
| 2013 | 1 | 1,200 | 10,392 | 0.0001 |
| 2014 | 27 | 1,250 | 11,356 | 0.0024 |
| 2015 | 61 | 1,250 | 11,292 | 0.0054 |
| 2016 | 113 | 1,250 | 11,690 | 0.0096 |
| 2017 | 106 | 1,250 | 12,089 | 0.0088 |
| 10/1/2017-3/31/2018 | 105 | 1,250 | 6,045 | 0.0174 |
| (PROJ.) 4/1/2018 to 9/30/2018 | \$51 | 1,250 | 6,045 | 0.0085 |
| (PROJ.) 2018/2019 | 107 | 1,250 | 12,331 | 0.0087 |
| (PROJ.) 2019/2020 | 111 | 1,250 | 12,578 | 0.0088 |
| (PROJ.) 2020/2021 | 116 | 1,250 | 12,829 | 0.0090 |
| (PROJ.) 2021/2022 | 120 | 1,250 | 13,086 | 0.0092 |
| (PROJ.) 2022/2023 | 125 | 1,250 | 13,347 | 0.0094 |

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEARS* | 55% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (9) | (10) |
| 4/1/2018 to 9/30/2018 | \$51 | \$57 | \$58 | \$61 | \$63 | \$66 |
| 2018/2019 | \$107 | \$119 | \$123 | \$127 | \$132 | \$139 |
| 2019/2020 | \$111 | \$123 | \$127 | \$132 | \$137 | \$144 |
| 2020/2021 | \$116 | \$129 | \$133 | \$138 | \$143 | \$151 |
| 2021/2022 | \$120 | \$133 | \$138 | \$143 | \$148 | \$156 |
| 2022/2023 | \$125 | \$139 | \$143 | \$148 | \$154 | \$162 |

Notes:

- (1) - Exhibit VI-D, Page 1, Column (4). For the projection years (1) = (3) x (4).
- (2) & (3) - Per CITY OF JACKSONVILLE.
- (4) = (1) / (3). For the projected year, it is the average of prior years adjusted for changed in retention.
- (5) = Projected losses in Column (1).
- (6) to (10) - Based on Monte Carlo Simulation Approach.

**Retention for 1993 and Prior

| Claim Period | Retention Limit |
|---------------------|-----------------|
| 10/01/77 - 09/30/80 | 500 |
| 10/01/80 - 09/30/82 | 1000 |
| 10/01/82 - 10/31/86 | 250 |
| 11/01/86 - 09/30/91 | 1000 |

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Port Authority
(\$AMTS IN THOUSANDS)

| | |
|---|---------------|
| 1. Estimated net undiscounted reserves at 9/30/2017 | \$163 |
| 2. Loss payments during 10/1/2017 -3/31/2018 for the accident period 9/30/2017 and prior | (\$48) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018 | \$82 |
| 4. Estimated ultimate losses for the period 10/1/2017-3/31/2018 | \$105 |
| 5. Loss payments during 10/1/2017 -3/31/2018 for the accident period 10/1/2017 -3/31/2018 | (\$7) |
| 6. Estimated net undiscounted reserves at 3/31/2018 | \$296 |

Notes:

- (1) - Per AMI Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VI-D, Page 3C, Column (3).
- (3) - Total from Exhibit VI-D, Page 3B, Column (3).
- (4) - See Exhibit VI-D, Page 1 of 3, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Port Authority
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$2,565 | \$2,566 | 1 |
| 1995 | 25 | 25 | 0 |
| 1996 | 19 | 19 | 0 |
| 1997 | 35 | 35 | 0 |
| 1998 | 26 | 26 | 0 |
| 1999 | 134 | 134 | 0 |
| 2000 | 56 | 56 | 0 |
| 2001 | 6 | 6 | 0 |
| 2002 | 131 | 131 | 0 |
| 2003 | 38 | 38 | 0 |
| 2004 | 3 | 3 | 0 |
| 2005 | 1 | 1 | 0 |
| 2006 | 2 | 2 | 0 |
| 2007 | 33 | 33 | 0 |
| 2008 | 6 | 6 | 0 |
| 2009 | 85 | 85 | 0 |
| 2010 | 6 | 6 | 0 |
| 2011 | 29 | 29 | 0 |
| 2012 | 262 | 252 | (10) |
| 2013 | 1 | 1 | 0 |
| 2014 | 27 | 27 | 0 |
| 2015 | 61 | 61 | 0 |
| 2016 | 113 | 113 | 0 |
| 2017 | 15 | 106 | 91 |
| TOTAL | \$3,680 | \$3,762 | 82 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VI-D, Page 1 of 3, Column (4).

(3) = (2) - (1).

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Port Authority
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|----------------|----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$2,536 | \$2,538 | 3 |
| 1995 | 25 | 25 | 0 |
| 1996 | 19 | 19 | 0 |
| 1997 | 35 | 35 | 0 |
| 1998 | 26 | 26 | 0 |
| 1999 | 134 | 134 | 0 |
| 2000 | 56 | 56 | 0 |
| 2001 | 6 | 6 | 0 |
| 2002 | 131 | 131 | 0 |
| 2003 | 38 | 38 | 0 |
| 2004 | 3 | 3 | 0 |
| 2005 | 1 | 1 | 0 |
| 2006 | 2 | 2 | 0 |
| 2007 | 33 | 33 | 0 |
| 2008 | 6 | 6 | 0 |
| 2009 | 85 | 85 | 0 |
| 2010 | 6 | 6 | 0 |
| 2011 | 29 | 29 | 0 |
| 2012 | 133 | 142 | 9 |
| 2013 | 1 | 1 | 0 |
| 2014 | 27 | 27 | 0 |
| 2015 | 61 | 61 | 0 |
| 2016 | 113 | 113 | 0 |
| 2017 | 10 | 46 | 36 |
| TOTAL | \$3,517 | \$3,565 | 48 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VI-D, Page 1 of 3, Column (1).

(3) = (2) - (1).

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF TOTAL RESERVES
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Aviation Authority
(\$AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @3/31/2018 | CASE RESERVES @3/31/2018 | INCURRED LOSSES @3/31/2018 | SELECTED ULTIMATE LOSSES | LOSS RESERVES @3/31/2018 |
|-----------------|------------------------|--------------------------|----------------------------|--------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) |
| 1978 and Prior | 0 | 0 | 0 | 0 | 0 |
| 1979 | 56 | 0 | 56 | 56 | 0 |
| 1980 | 274 | 0 | 274 | 274 | 0 |
| 1981 | 177 | 0 | 177 | 177 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 0 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 302 | 0 | 302 | 302 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 1,244 | 0 | 1,244 | 1,244 | 0 |
| 1988 | 147 | 0 | 147 | 147 | 0 |
| 1989 | 0 | 0 | 0 | 0 | 0 |
| 1990 | 51 | 0 | 51 | 51 | 0 |
| 1991 | 33 | 0 | 33 | 33 | 0 |
| 1992 | 66 | 0 | 66 | 66 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 |
| 1994 | 0 | 0 | 0 | 0 | 0 |
| 1995 | 56 | 0 | 56 | 56 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 |
| 1997 | 22 | 0 | 22 | 22 | 0 |
| 1998 | 253 | 0 | 253 | 253 | 0 |
| 1999 | 105 | 0 | 105 | 105 | 0 |
| 2000 | 154 | 0 | 154 | 154 | 0 |
| 2001 | 171 | 0 | 171 | 171 | 0 |
| 2002 | 15 | 0 | 15 | 15 | 0 |
| 2003 | 41 | 0 | 41 | 41 | 0 |
| 2004 | 156 | 0 | 156 | 156 | 0 |
| 2005 | 39 | 0 | 39 | 39 | 0 |
| 2006 | 51 | 0 | 51 | 51 | 0 |
| 2007 | 62 | 0 | 62 | 62 | 0 |
| 2008 | 32 | 0 | 32 | 32 | 0 |
| 2009 | 229 | 0 | 229 | 229 | 0 |
| 2010 | 12 | 0 | 12 | 12 | 0 |
| 2011 | 119 | 0 | 119 | 119 | 0 |
| 2012 | 195 | 0 | 195 | 195 | 0 |
| 2013 | 106 | 0 | 106 | 106 | 0 |
| 2014 | 244 | 0 | 244 | 244 | 0 |
| 2015 | 100 | 92 | 192 | 283 | 184 |
| 2016 | 247 | 18 | 265 | 301 | 54 |
| 2017 | 28 | 7 | 34 | 42 | 14 |
| 2018 | 11 | 51 | 62 | 134 | 123 |
| TOTAL | \$4,799 | \$168 | \$4,968 | \$5,174 | \$375 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VI, Page 1, Column (7) , based on case reserves.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Aviation Authority
(SAMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED ULTIMATE LOSSES | RETENTION LIMIT | PAYROLL | LOSS RATE |
|--------------------------------------|--------------------------|-----------------|---------|-----------|
| | (1) | (2) | (3) | (4) |
| 1993 and Prior | \$2,350 | various | N/A | N/A |
| 1994 | 0 | 1,000 | N/A | N/A |
| 1995 | 56 | 1,000 | N/A | N/A |
| 1996 | 0 | 1,000 | 6,297 | 0.0000 |
| 1997 | 22 | 1,000 | 6,469 | 0.0034 |
| 1998 | 253 | 1,000 | 7,075 | 0.0358 |
| 1999 | 105 | 1,000 | 7,350 | 0.0144 |
| 2000 | 154 | 1,000 | 8,143 | 0.0189 |
| 2001 | 171 | 1,000 | 8,386 | 0.0203 |
| 2002 | 15 | 1,000 | 6,824 | 0.0022 |
| 2003 | 41 | 1,200 | 11,847 | 0.0035 |
| 2004 | 156 | 1,200 | 10,748 | 0.0145 |
| 2005 | 39 | 1,200 | 12,738 | 0.0031 |
| 2006 | 51 | 1,200 | 13,468 | 0.0038 |
| 2007 | 62 | 1,200 | 12,844 | 0.0048 |
| 2008 | 32 | 1,200 | 12,099 | 0.0026 |
| 2009 | 229 | 1,200 | 12,724 | 0.0180 |
| 2010 | 12 | 1,200 | 11,703 | 0.0010 |
| 2011 | 119 | 1,200 | 13,134 | 0.0091 |
| 2012 | 195 | 1,200 | 13,387 | 0.0146 |
| 2013 | 106 | 1,200 | 14,086 | 0.0075 |
| 2014 | 244 | 1,250 | 15,119 | 0.0161 |
| 2015 | 283 | 1,250 | 15,474 | 0.0183 |
| 2016 | 301 | 1,250 | 18,012 | 0.0167 |
| 2017 | 42 | 1,250 | 19,206 | 0.0022 |
| 10/1/2017-3/31/2018 | 134 | 1,250 | 9,603 | 0.0139 |
| (PROJ.) 4/1/2018 to 9/30/2018 | \$139 | \$1,250 | 9,603 | 0.0145 |
| (PROJ.) 2018/2019 | 300 | 1,250 | 19,590 | 0.0153 |
| (PROJ.) 2019/2020 | 312 | 1,250 | 19,982 | 0.0156 |
| (PROJ.) 2020/2021 | 324 | 1,250 | 20,382 | 0.0159 |
| (PROJ.) 2021/2022 | 337 | 1,250 | 20,789 | 0.0162 |
| (PROJ.) 2022/2023 | 351 | 1,250 | 21,205 | 0.0165 |

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEARS* | 55% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (9) | (10) |
| 4/1/2018 to 9/30/2018 | \$139 | \$154 | \$159 | \$165 | \$171 | \$181 |
| 2018/2019 | \$300 | \$333 | \$344 | \$356 | \$370 | \$390 |
| 2019/2020 | \$312 | \$346 | \$358 | \$371 | \$385 | \$405 |
| 2020/2021 | \$324 | \$359 | \$371 | \$385 | \$399 | \$421 |
| 2021/2022 | \$337 | \$374 | \$386 | \$400 | \$415 | \$438 |
| 2022/2023 | \$351 | \$389 | \$402 | \$417 | \$433 | \$456 |

Notes:

- (1) - Exhibit VI-E, Page 1, Column (4). For the projection years (1) = (3) x (4).
- (2) & (3) - Per CITY OF JACKSONVILLE.
- (4) = (1) / (3). For the projected year, it is the average of prior years adjusted for changed in retention.
- (5) = Projected losses in Column (1).
- (6) to (10) - Based on Monte Carlo Simulation Approach.

**Retention for 1993 and Prior

| Claim Period | Retention Limit |
|---------------------|-----------------|
| 10/01/77 - 09/30/80 | 500 |
| 10/01/80 - 09/30/82 | 1000 |
| 10/01/82 - 10/31/86 | 250 |
| 11/01/86 - 09/30/91 | 1000 |

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Aviation Authority
(\$AMTS IN THOUSANDS)

| | |
|---|---------------|
| 1. Estimated net undiscounted reserves at 9/30/2017 | \$283 |
| 2. Loss payments during 10/1/2017 -3/31/2018 for the accident period 9/30/2017 and prior | (\$5) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018 | (\$27) |
| 4. Estimated ultimate losses for the period 10/1/2017-3/31/2018 | \$134 |
| 5. Loss payments during 10/1/2017 -3/31/2018 for the accident period 10/1/2017 -3/31/2018 | (\$11) |
| 6. Estimated net undiscounted reserves at 3/31/2018 | \$375 |

Notes:

- (1) - Per AMI Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VI-E, Page 3C, Column (3).
- (3) - Total from Exhibit VI-E, Page 3B, Column (3).
- (4) - See Exhibit VI-E, Page 1 of 3, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Aviation Authority
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$2,350 | \$2,350 | \$0 |
| 1995 | 56 | 56 | 0 |
| 1996 | 0 | 0 | 0 |
| 1997 | 22 | 22 | 0 |
| 1998 | 253 | 253 | 0 |
| 1999 | 105 | 105 | 0 |
| 2000 | 154 | 154 | 0 |
| 2001 | 171 | 171 | 0 |
| 2002 | 15 | 15 | 0 |
| 2003 | 41 | 41 | 0 |
| 2004 | 156 | 156 | 0 |
| 2005 | 39 | 39 | 0 |
| 2006 | 51 | 51 | 0 |
| 2007 | 62 | 62 | 0 |
| 2008 | 32 | 32 | 0 |
| 2009 | 229 | 229 | 0 |
| 2010 | 12 | 12 | 0 |
| 2011 | 119 | 119 | 0 |
| 2012 | 195 | 195 | 0 |
| 2013 | 106 | 106 | 0 |
| 2014 | 244 | 244 | 0 |
| 2015 | 282 | 283 | 1 |
| 2016 | 296 | 301 | 4 |
| 2017 | 74 | 42 | (32) |
| TOTAL | \$5,067 | \$5,040 | (\$27) |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VI-E, Page 1 of 3, Column (4).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND MARCH 31, 2018
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Aviation Authority
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|----------------|----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1994 and Prior | \$2,350 | \$2,350 | 0 |
| 1995 | 56 | 56 | 0 |
| 1996 | 0 | 0 | 0 |
| 1997 | 22 | 22 | 0 |
| 1998 | 253 | 253 | 0 |
| 1999 | 105 | 105 | 0 |
| 2000 | 154 | 154 | 0 |
| 2001 | 171 | 171 | 0 |
| 2002 | 15 | 15 | 0 |
| 2003 | 41 | 41 | 0 |
| 2004 | 156 | 156 | 0 |
| 2005 | 39 | 39 | 0 |
| 2006 | 51 | 51 | 0 |
| 2007 | 62 | 62 | 0 |
| 2008 | 32 | 32 | 0 |
| 2009 | 229 | 229 | 0 |
| 2010 | 12 | 12 | 0 |
| 2011 | 119 | 119 | 0 |
| 2012 | 195 | 195 | 0 |
| 2013 | 106 | 106 | 0 |
| 2014 | 244 | 244 | 0 |
| 2015 | 99 | 100 | 1 |
| 2016 | 246 | 247 | 1 |
| 2017 | 25 | 28 | 3 |
| TOTAL | \$4,784 | \$4,789 | 5 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VI-E, Page 1 of 3, Column (1).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF TOTAL RESERVES
GENERAL LIABILITY
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

ALL APPROACHES COMBINED

| ACCIDENT YEAR* | ILDA ULTIMATE LOSSES | PLDA ULTIMATE LOSSES | BFILA ULTIMATE LOSSES | BFPLA ULTIMATE LOSSES | SELECTED ULTIMATE LOSSES | PAID LOSSES @ 3/31/2018 | LOSS RESERVES @ 3/31/2018 |
|----------------|----------------------|----------------------|-----------------------|-----------------------|--------------------------|-------------------------|---------------------------|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 1994 | 1,146 | 1,146 | 1,146 | 1,146 | 1,146 | 1,146 | 0 |
| 1995 | 1,211 | 1,211 | 1,211 | 1,211 | 1,211 | 1,211 | 0 |
| 1996 | 980 | 980 | 980 | 980 | 980 | 980 | 0 |
| 1997 | 1,437 | 1,437 | 1,437 | 1,437 | 1,437 | 1,437 | 0 |
| 1998 | 1,990 | 1,990 | 1,990 | 1,990 | 1,990 | 1,990 | 0 |
| 1999 | 1,426 | 1,426 | 1,426 | 1,426 | 1,426 | 1,426 | 0 |
| 2000 | 2,664 | 2,664 | 2,664 | 2,664 | 2,664 | 2,664 | 0 |
| 2001 | 1,762 | 1,762 | 1,762 | 1,762 | 1,762 | 1,762 | 0 |
| 2002 | 1,439 | 1,439 | 1,439 | 1,439 | 1,439 | 1,439 | 0 |
| 2003 | 2,034 | 2,034 | 2,034 | 2,034 | 2,034 | 2,034 | 0 |
| 2004 | 1,746 | 1,746 | 1,747 | 1,747 | 1,745 | 1,745 | 0 |
| 2005 | 3,127 | 3,127 | 3,128 | 3,128 | 3,127 | 3,120 | 7 |
| 2006 | 1,382 | 1,373 | 1,397 | 1,380 | 1,383 | 1,356 | 27 |
| 2007 | 1,476 | 1,476 | 1,502 | 1,502 | 1,459 | 1,459 | 0 |
| 2008 | 3,123 | 3,123 | 3,133 | 3,133 | 3,067 | 3,067 | 0 |
| 2009 | 2,461 | 2,462 | 2,492 | 2,494 | 2,477 | 2,403 | 75 |
| 2010 | 2,607 | 2,532 | 2,644 | 2,574 | 2,589 | 2,452 | 137 |
| 2011 | 6,513 | 6,274 | 6,420 | 6,274 | 6,370 | 5,759 | 611 |
| 2012 | 5,050 | 4,991 | 5,001 | 4,960 | 5,001 | 4,714 | 287 |
| 2013 | 4,038 | 3,838 | 4,036 | 3,947 | 3,965 | 3,444 | 521 |
| 2014 | 3,858 | 3,654 | 3,896 | 3,799 | 3,802 | 3,040 | 761 |
| 2015 | 4,034 | 3,746 | 4,111 | 4,098 | 3,997 | 2,638 | 1,359 |
| 2016 | 3,625 | 3,599 | 3,899 | 4,174 | 3,824 | 1,846 | 1,978 |
| 2017 | 4,180 | 4,099 | 4,584 | 4,530 | 4,348 | 1,281 | 3,067 |
| 2018 | 1,969 | 1,943 | 1,841 | 1,889 | 1,911 | 224 | 1,687 |
| TOTAL | \$65,278 | \$64,072 | \$65,924 | \$65,720 | \$65,156 | \$54,639 | \$10,517 |

Notes:

(1), (2), (3) & (4) - Ultimate incurred losses calculated from Exhibit VII, Pages 2 and 3.

(5) = Selected based on (1), (2), (3) & (4).

(6) - Per CITY OF JACKSONVILLE.

(7) = (5) - (6).

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE LOSSES - LOSS DEVELOPMENT APPROACH
GENERAL LIABILITY
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

INCURRED LOSS DEVELOPMENT APPROACH

| ACCIDENT YEAR* | INCURRED LOSSES @ 3/31/2018 | LOSS DEVELOPMENT FACTORS | ULTIMATE INCURRED LOSSES | PAYROLL (IN \$000'S) | ESTIMATED LOSS RATE |
|----------------|-----------------------------|--------------------------|--------------------------|----------------------|---------------------|
| | (1) | (2) | (3) | (4) | (5) |
| 1994 | 1,146 | 1.000 | 1,146 | 321,741 | 0.004 |
| 1995 | 1,211 | 1.000 | 1,211 | 338,553 | 0.004 |
| 1996 | 980 | 1.000 | 980 | 351,880 | 0.003 |
| 1997 | 1,437 | 1.000 | 1,437 | 359,378 | 0.004 |
| 1998 | 1,990 | 1.000 | 1,990 | 371,134 | 0.005 |
| 1999 | 1,426 | 1.000 | 1,426 | 389,066 | 0.004 |
| 2000 | 2,664 | 1.000 | 2,664 | 389,836 | 0.007 |
| 2001 | 1,762 | 1.000 | 1,762 | 402,964 | 0.004 |
| 2002 | 1,439 | 1.000 | 1,439 | 429,048 | 0.003 |
| 2003 | 2,034 | 1.000 | 2,034 | 455,924 | 0.004 |
| 2004 | 1,745 | 1.001 | 1,746 | 480,618 | 0.004 |
| 2005 | 3,121 | 1.002 | 3,127 | 509,922 | 0.006 |
| 2006 | 1,373 | 1.006 | 1,382 | 535,575 | 0.003 |
| 2007 | 1,459 | 1.012 | 1,476 | 561,917 | 0.003 |
| 2008 | 3,067 | 1.018 | 3,123 | 588,852 | 0.005 |
| 2009 | 2,403 | 1.024 | 2,461 | 597,703 | 0.004 |
| 2010 | 2,529 | 1.031 | 2,607 | 603,199 | 0.004 |
| 2011 | 6,274 | 1.038 | 6,513 | 617,821 | 0.011 |
| 2012 | 4,829 | 1.046 | 5,050 | 575,116 | 0.009 |
| 2013 | 3,831 | 1.054 | 4,038 | 575,116 | 0.007 |
| 2014 | 3,604 | 1.071 | 3,858 | 572,457 | 0.007 |
| 2015 | 3,630 | 1.111 | 4,034 | 572,457 | 0.007 |
| 2016 | 2,993 | 1.211 | 3,625 | 583,906 | 0.006 |
| 2017 | 2,782 | 1.502 | 4,180 | 595,584 | 0.007 |
| 2018 | 918 | | 1,969 | 297,792 | 0.007 |
| TOTAL | \$60,647 | | \$65,278 | | |

PAID LOSS DEVELOPMENT APPROACH

| ACCIDENT YEAR* | PAID LOSSES @ 3/31/2018 | LOSS DEVELOPMENT FACTORS | ULTIMATE INCURRED LOSSES | PAYROLL (IN \$000'S) | ESTIMATED LOSS RATE |
|----------------|-------------------------|--------------------------|--------------------------|----------------------|---------------------|
| | (6) | (7) | (8) | (9) | (10) |
| 1994 | 1,146 | 1.000 | 1,146 | 321,741 | 0.004 |
| 1995 | 1,211 | 1.000 | 1,211 | 338,553 | 0.004 |
| 1996 | 980 | 1.000 | 980 | 351,880 | 0.003 |
| 1997 | 1,437 | 1.000 | 1,437 | 359,378 | 0.004 |
| 1998 | 1,990 | 1.000 | 1,990 | 371,134 | 0.005 |
| 1999 | 1,426 | 1.000 | 1,426 | 389,066 | 0.004 |
| 2000 | 2,664 | 1.000 | 2,664 | 389,836 | 0.007 |
| 2001 | 1,762 | 1.000 | 1,762 | 402,964 | 0.004 |
| 2002 | 1,439 | 1.000 | 1,439 | 429,048 | 0.003 |
| 2003 | 2,034 | 1.000 | 2,034 | 455,924 | 0.004 |
| 2004 | 1,745 | 1.001 | 1,746 | 480,618 | 0.004 |
| 2005 | 3,120 | 1.002 | 3,127 | 509,922 | 0.006 |
| 2006 | 1,356 | 1.006 | 1,373 | 535,575 | 0.003 |
| 2007 | 1,459 | 1.012 | 1,476 | 561,917 | 0.003 |
| 2008 | 3,067 | 1.018 | 3,123 | 588,852 | 0.005 |
| 2009 | 2,403 | 1.025 | 2,462 | 597,703 | 0.004 |
| 2010 | 2,452 | 1.032 | 2,532 | 603,199 | 0.004 |
| 2011 | 5,759 | 1.041 | 6,274 | 617,821 | 0.010 |
| 2012 | 4,714 | 1.059 | 4,991 | 575,116 | 0.009 |
| 2013 | 3,444 | 1.114 | 3,838 | 575,116 | 0.007 |
| 2014 | 3,040 | 1.202 | 3,654 | 572,457 | 0.006 |
| 2015 | 2,638 | 1.420 | 3,746 | 572,457 | 0.007 |
| 2016 | 1,846 | 1.950 | 3,599 | 583,906 | 0.006 |
| 2017 | 1,281 | 3.200 | 4,099 | 595,584 | 0.007 |
| 2018 | 224 | | 1,943 | 297,792 | 0.007 |
| TOTAL | \$54,639 | | \$64,072 | | |

Notes:

(1), (4), (6) & (9) - Per CITY OF JACKSONVILLE.

(2) & (7) - Per City's historical loss patterns.

(3) = (1) x (2); (8) = (6) x (7). If ultimate incurred losses in (8) are less than the incurred losses in (1), we used the losses in (1).

For the most recent year, we used the Loss Rate Approach.

(5) = (3) / (4), (10) = (8) / (9). For the most recent year, it is the average of prior years.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE LOSSES - BORNHUETTER-FERGUSON APPROACH
GENERAL LIABILITY
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

BORNHUETTER-FERGUSON INCURRED LOSS APPROACH

| ACCIDENT YEAR* | ESTIMATED LOSS RATE | PAYROLL (\$ '000s) | EXPECTED ULTIMATE LOSSES | EXPECTED % OF LOSSES UNREPORTED | IBNR RESERVES | INCURRED LOSSES @ 3/31/2018 | ULTIMATE INCURRED LOSSES |
|----------------|---------------------|--------------------|--------------------------|---------------------------------|----------------|-----------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 1994 | 0.004 | 321,741 | | 0.0% | 0 | 1,146 | 1,146 |
| 1995 | 0.004 | 338,553 | | 0.0% | 0 | 1,211 | 1,211 |
| 1996 | 0.004 | 351,880 | | 0.0% | 0 | 980 | 980 |
| 1997 | 0.004 | 359,378 | | 0.0% | 0 | 1,437 | 1,437 |
| 1998 | 0.004 | 371,134 | | 0.0% | 0 | 1,990 | 1,990 |
| 1999 | 0.004 | 389,066 | | 0.0% | 0 | 1,426 | 1,426 |
| 2000 | 0.004 | 389,836 | | 0.0% | 0 | 2,664 | 2,664 |
| 2001 | 0.004 | 402,964 | | 0.0% | 0 | 1,762 | 1,762 |
| 2002 | 0.004 | 429,048 | | 0.0% | 0 | 1,439 | 1,439 |
| 2003 | 0.005 | 455,924 | | 0.0% | 0 | 2,034 | 2,034 |
| 2004 | 0.005 | 480,618 | 2,256 | 0.1% | 2 | 1,745 | 1,747 |
| 2005 | 0.005 | 509,922 | 2,483 | 0.3% | 7 | 3,121 | 3,128 |
| 2006 | 0.005 | 535,575 | 2,702 | 0.9% | 24 | 1,373 | 1,397 |
| 2007 | 0.005 | 561,917 | 2,933 | 1.5% | 44 | 1,459 | 1,502 |
| 2008 | 0.005 | 588,852 | 3,177 | 2.1% | 66 | 3,067 | 3,133 |
| 2009 | 0.006 | 597,703 | 3,330 | 2.7% | 88 | 2,403 | 2,492 |
| 2010 | 0.006 | 603,199 | 3,466 | 3.3% | 115 | 2,529 | 2,644 |
| 2011 | 0.006 | 617,821 | 3,659 | 4.0% | 146 | 6,274 | 6,420 |
| 2012 | 0.006 | 575,116 | 3,629 | 4.7% | 172 | 4,829 | 5,001 |
| 2013 | 0.006 | 575,116 | 3,734 | 5.5% | 205 | 3,831 | 4,036 |
| 2014 | 0.007 | 572,457 | 3,820 | 7.7% | 293 | 3,604 | 3,896 |
| 2015 | 0.007 | 572,457 | 3,924 | 12.3% | 481 | 3,630 | 4,111 |
| 2016 | 0.007 | 583,906 | 4,109 | 22.1% | 907 | 2,993 | 3,899 |
| 2017 | 0.007 | 595,584 | 4,299 | 41.9% | 1,802 | 2,782 | 4,584 |
| 2018 | 0.007 | 297,792 | 2,204 | 41.9% | 924 | 918 | 1,841 |
| TOTAL | | | | | \$5,277 | \$60,647 | \$65,924 |

BORNHUETTER-FERGUSON PAID LOSS APPROACH

| ACCIDENT YEAR* | ESTIMATED LOSS RATE | PAYROLL (\$ '000s) | EXPECTED ULTIMATE LOSSES | EXPECTED % OF LOSSES UNPAID | LOSS RESERVES | PAID LOSSES @ 3/31/2018 | ULTIMATE INCURRED LOSSES |
|----------------|---------------------|--------------------|--------------------------|-----------------------------|-----------------|-------------------------|--------------------------|
| | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| 1994 | 0.004 | 321,741 | | 0.0% | 0 | 1,146 | 1,146 |
| 1995 | 0.004 | 338,553 | | 0.0% | 0 | 1,211 | 1,211 |
| 1996 | 0.004 | 351,880 | | 0.0% | 0 | 980 | 980 |
| 1997 | 0.004 | 359,378 | | 0.0% | 0 | 1,437 | 1,437 |
| 1998 | 0.004 | 371,134 | | 0.0% | 0 | 1,990 | 1,990 |
| 1999 | 0.004 | 389,066 | | 0.0% | 0 | 1,426 | 1,426 |
| 2000 | 0.004 | 389,836 | | 0.0% | 0 | 2,664 | 2,664 |
| 2001 | 0.004 | 402,964 | | 0.0% | 0 | 1,762 | 1,762 |
| 2002 | 0.004 | 429,048 | | 0.0% | 0 | 1,439 | 1,439 |
| 2003 | 0.005 | 455,924 | | 0.0% | 0 | 2,034 | 2,034 |
| 2004 | 0.005 | 480,618 | 2,256 | 0.1% | 2 | 1,745 | 1,747 |
| 2005 | 0.005 | 509,922 | 2,483 | 0.3% | 7 | 3,120 | 3,128 |
| 2006 | 0.005 | 535,575 | 2,702 | 0.9% | 24 | 1,356 | 1,380 |
| 2007 | 0.005 | 561,917 | 2,933 | 1.5% | 44 | 1,459 | 1,502 |
| 2008 | 0.005 | 588,852 | 3,177 | 2.1% | 66 | 3,067 | 3,133 |
| 2009 | 0.006 | 597,703 | 3,330 | 2.8% | 92 | 2,403 | 2,494 |
| 2010 | 0.006 | 603,199 | 3,466 | 3.5% | 122 | 2,452 | 2,574 |
| 2011 | 0.006 | 617,821 | 3,659 | 4.3% | 157 | 5,759 | 6,274 |
| 2012 | 0.006 | 575,116 | 3,629 | 6.8% | 246 | 4,714 | 4,960 |
| 2013 | 0.006 | 575,116 | 3,734 | 13.5% | 503 | 3,444 | 3,947 |
| 2014 | 0.007 | 572,457 | 3,820 | 19.9% | 759 | 3,040 | 3,799 |
| 2015 | 0.007 | 572,457 | 3,924 | 37.2% | 1,460 | 2,638 | 4,098 |
| 2016 | 0.007 | 583,906 | 4,109 | 56.6% | 2,328 | 1,846 | 4,174 |
| 2017 | 0.007 | 595,584 | 4,299 | 75.6% | 3,249 | 1,281 | 4,530 |
| 2018 | 0.007 | 297,792 | 2,204 | 75.6% | 1,665 | 224 | 1,889 |
| TOTAL | | | | | \$10,724 | \$54,639 | \$65,720 |

Notes:

(2), (6), (9) & (13) - Per CITY OF JACKSONVILLE.

(1) & (8) - Exhibit VII, Page 4, Column (8).

(3) = (1) x (2); (10) = (8) x (9).

(4) = (1 - (1/ILDF)); (11) = (1 - (1/PLDF)).

(5) = (3) x (4); (12) = (10) x (11).

(7) = (5) + (6); (14) = (12) + (13). If ultimate incurred losses in (14) are less than the incurred losses in (6), we used the incurred losses in (6).

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
SELECTION OF INTIAL LOSS RATE FOR BORNHUEFTER-FERGUSON APPROACHES
GENERAL LIABILITY
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT PERIODS | ULTIMATE LOSSES PER ILDA | ULTIMATE LOSSES PER PLDA | RETENTION | ADJUSTMENT TO CURRENT RETENTION | PAYROLL (IN \$000'S) | LOSS RATE AT CURRENT RETENTION | FITTED LOSS RATE | SELECTED INITIAL LOSS RATE ACTUAL RETENTION |
|-----------------------------|--------------------------|--------------------------|---------------|---------------------------------|----------------------|--------------------------------|------------------|--|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| 2000 | \$2,664 | \$2,664 | \$100k/\$200k | 1.035 | 389,836 | 0.71% | 0.41% | 0.40% |
| 2001 | 1,762 | 1,762 | \$100k/\$200k | 1.035 | 402,964 | 0.45% | 0.43% | 0.42% |
| 2002 | 1,439 | 1,439 | \$100k/\$200k | 1.035 | 429,048 | 0.35% | 0.45% | 0.43% |
| 2003 | 2,034 | 2,034 | \$100k/\$200k | 1.035 | 455,924 | 0.46% | 0.47% | 0.45% |
| 2004 | 1,746 | 1,746 | \$100k/\$200k | 1.035 | 480,618 | 0.38% | 0.49% | 0.47% |
| 2005 | 3,127 | 3,127 | \$100k/\$200k | 1.035 | 509,922 | 0.63% | 0.50% | 0.49% |
| 2006 | 1,382 | 1,373 | \$100k/\$200k | 1.035 | 535,575 | 0.27% | 0.52% | 0.50% |
| 2007 | 1,476 | 1,476 | \$100k/\$200k | 1.035 | 561,917 | 0.27% | 0.54% | 0.52% |
| 2008 | 3,123 | 3,123 | \$100k/\$200k | 1.035 | 588,852 | 0.55% | 0.56% | 0.54% |
| 2009 | 2,461 | 2,462 | \$100k/\$200k | 1.035 | 597,703 | 0.43% | 0.58% | 0.56% |
| 2010 | 2,607 | 2,532 | \$100k/\$200k | 1.035 | 603,199 | 0.44% | 0.59% | 0.57% |
| 2011 | 6,513 | 6,274 | \$100k/\$200k | 1.035 | 617,821 | 1.07% | 0.61% | 0.59% |
| 2012 | 5,050 | 4,991 | \$200k/\$300k | 1.000 | 575,116 | 0.87% | 0.63% | 0.63% |
| 2013 | 4,038 | 3,838 | \$200k/\$300k | 1.000 | 575,116 | 0.68% | 0.65% | 0.65% |
| 2014 | 3,858 | 3,654 | \$200k/\$300k | 1.000 | 572,457 | 0.66% | 0.67% | 0.67% |
| 2015 | 4,034 | 3,746 | \$200k/\$300k | 1.000 | 572,457 | 0.68% | 0.69% | 0.69% |
| 2016 | 3,625 | 3,599 | \$200k/\$300k | 1.000 | 583,906 | 0.62% | 0.70% | 0.70% |
| 2017 | 4,180 | 4,099 | \$200k/\$300k | 1.000 | 595,584 | 0.69% | 0.72% | 0.72% |
| 10/1/2017 - 3/31/2018 | 1,969 | 1,943 | \$200k/\$300k | 1.000 | 297,792 | 0.66% | 0.74% | 0.74% |
| 4/1/2018 - 9/30/2018 | | | | 1.000 | 297,792 | | 0.74% | 0.74% |
| 2019 | | | | 1.000 | 607,496 | | 0.76% | 0.76% |

| | |
|------------------|-----------------|
| Average | 0.57% |
| Weighted Average | 0.58% |
| Selected | based on fitted |

Notes:

- (1) - Per Exhibit VII, Page 2, Column (3).
- (1) - Per Exhibit VII, Page 2, Column (8).
- (3) & (5) - Per CITY OF JACKSONVILLE.
- (4) & (7) - Per AMI calculation.
- (6) = [Average of (1) & (2)] x [(4)/(5)].
- (8) = (7)/(4).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
GENERAL LIABILITY
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

INCURRED LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | | | |
|----------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
| 1995 | | | | | | | | | | | 1,181 | 1,181 |
| 1996 | | | | | | | | | | 980 | 980 | 980 |
| 1997 | | | | | | | | | 1,447 | 1,437 | 1,437 | 1,437 |
| 1998 | | | | | | | | 1,991 | 1,985 | 1,985 | 1,984 | 1,992 |
| 1999 | | | | | | | 1,644 | 1,428 | 1,426 | 1,426 | 1,429 | 1,426 |
| 2000 | | | | | | 2,666 | 2,666 | 2,644 | 2,668 | 2,660 | 2,660 | 2,661 |
| 2001 | | | | | 1,908 | 1,806 | 1,770 | 1,758 | 1,760 | 1,762 | 1,762 | 1,893 |
| 2002 | | | | 1,271 | 1,408 | 1,473 | 1,442 | 1,446 | 1,449 | 1,439 | 1,441 | 1,441 |
| 2003 | | | 1,703 | 1,631 | 1,676 | 1,921 | 1,871 | 1,839 | 1,834 | 1,840 | 2,042 | 2,042 |
| 2004 | | 1,204 | 1,654 | 1,679 | 1,738 | 1,598 | 1,596 | 1,614 | 1,604 | 1,639 | 1,754 | 1,745 |
| 2005 | 2,101 | 2,863 | 3,175 | 2,918 | 2,930 | 2,867 | 2,869 | 2,909 | 3,101 | 3,101 | 3,101 | 3,101 |
| 2006 | 1,355 | 1,608 | 1,582 | 1,487 | 1,346 | 1,388 | 1,377 | 1,381 | 1,381 | 1,386 | 1,381 | 1,381 |
| 2007 | 1,523 | 1,751 | 1,472 | 1,505 | 1,585 | 1,452 | 1,461 | 1,461 | 1,461 | 1,462 | 1,461 | |
| 2008 | 2,751 | 3,429 | 3,387 | 3,322 | 2,947 | 3,028 | 3,030 | 3,030 | 3,017 | 3,094 | | |
| 2009 | 1,876 | 2,194 | 2,693 | 2,594 | 2,404 | 2,385 | 2,394 | 2,396 | 2,409 | | | |
| 2010 | 1,960 | 2,597 | 2,749 | 3,004 | 2,966 | 2,875 | 2,763 | 2,782 | | | | |
| 2011 | 2,136 | 2,910 | 3,111 | 2,874 | 6,260 | 6,235 | 6,263 | | | | | |
| 2012 | 2,161 | 2,918 | 3,165 | 3,356 | 3,246 | 4,767 | | | | | | |
| 2013 | 2,081 | 2,562 | 3,595 | 3,789 | 3,928 | | | | | | | |
| 2014 | 2,326 | 3,135 | 3,182 | 3,492 | | | | | | | | |
| 2015 | 1,878 | 2,991 | 3,434 | | | | | | | | | |
| 2016 | 2,219 | 2,795 | | | | | | | | | | |
| 2017 | 2,134 | | | | | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
|------------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| | TO 24 | TO 36 | TO 48 | TO 60 | TO 72 | TO 84 | TO 96 | TO 108 | TO 120 | TO 132 | TO 144 | TO 156 |
| 1995 | | | | | | | | | | | 1.000 | 1.000 |
| 1996 | | | | | | | | | | 1.000 | 1.000 | 1.000 |
| 1997 | | | | | | | | | 0.993 | 1.000 | 1.000 | 1.000 |
| 1998 | | | | | | | | 0.997 | 1.000 | 0.999 | 1.004 | 1.000 |
| 1999 | | | | | | | 0.869 | 0.999 | 1.000 | 1.002 | 0.998 | 1.000 |
| 2000 | | | | | | 1.000 | 0.992 | 1.009 | 0.997 | 1.000 | 1.000 | 1.018 |
| 2001 | | | | | 0.947 | 0.980 | 0.993 | 1.001 | 1.001 | 1.000 | 1.074 | 1.000 |
| 2002 | | | | 1.108 | 1.046 | 0.979 | 1.003 | 1.002 | 0.993 | 1.001 | 1.000 | 1.000 |
| 2003 | | | 0.958 | 1.028 | 1.146 | 0.974 | 0.983 | 0.997 | 1.003 | 1.110 | 1.000 | 1.000 |
| 2004 | | 1.374 | 1.015 | 1.035 | 0.919 | 0.999 | 1.011 | 0.994 | 1.022 | 1.070 | 0.995 | 1.000 |
| 2005 | 1.363 | 1.109 | 0.919 | 1.004 | 0.978 | 1.001 | 1.014 | 1.066 | 1.000 | 1.000 | 1.000 | 1.007 |
| 2006 | 1.187 | 0.984 | 0.940 | 0.905 | 1.031 | 0.992 | 1.003 | 1.000 | 1.004 | 0.996 | 1.000 | |
| 2007 | 1.150 | 0.841 | 1.022 | 1.053 | 0.916 | 1.006 | 1.000 | 1.000 | 1.001 | 0.999 | | |
| 2008 | 1.246 | 0.988 | 0.981 | 0.887 | 1.027 | 1.001 | 1.000 | 0.996 | 1.025 | | | |
| 2009 | 1.170 | 1.227 | 0.963 | 0.927 | 0.992 | 1.004 | 1.001 | 1.006 | | | | |
| 2010 | 1.325 | 1.059 | 1.093 | 0.987 | 0.969 | 0.961 | 1.007 | | | | | |
| 2011 | 1.362 | 1.069 | 0.924 | 2.178 | 0.996 | 1.004 | | | | | | |
| 2012 | 1.350 | 1.085 | 1.061 | 0.967 | 1.469 | | | | | | | |
| 2013 | 1.231 | 1.403 | 1.054 | 1.037 | | | | | | | | |
| 2014 | 1.348 | 1.015 | 1.097 | | | | | | | | | |
| 2015 | 1.593 | 1.148 | | | | | | | | | | |
| 2016 | 1.260 | | | | | | | | | | | |
| AVERAGE | 1.299 | 1.109 | 1.002 | 1.093 | 1.036 | 0.992 | 0.990 | 1.006 | 1.003 | 1.015 | 1.006 | 1.002 |
| 3 YR AVG. | 1.400 | 1.189 | 1.071 | 1.394 | 1.145 | 0.990 | 1.003 | 1.001 | 1.010 | 0.998 | 0.998 | 1.002 |
| EXCL HI LO | 1.284 | 1.106 | 1.001 | 1.005 | 1.005 | 0.993 | 0.999 | 1.001 | 1.002 | 1.007 | 1.000 | 1.001 |
| 5 YR AVG X HI/LO | 1.319 | 1.101 | 1.069 | 0.997 | 1.005 | 1.003 | 1.001 | 1.002 | 1.009 | 1.023 | 1.000 | 1.000 |
| PRIOR SELECTED | 1.342 | 1.126 | 1.052 | 1.023 | 1.008 | 1.008 | 1.007 | 1.007 | 1.006 | 1.006 | 1.006 | 1.006 |
| SELECTED | 1.342 | 1.126 | 1.052 | 1.023 | 1.008 | 1.008 | 1.007 | 1.007 | 1.006 | 1.006 | 1.006 | 1.006 |
| CUMULATIVE | 1.722 | 1.283 | 1.140 | 1.083 | 1.058 | 1.050 | 1.042 | 1.034 | 1.027 | 1.021 | 1.015 | 1.009 |

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
GENERAL LIABILITY
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

INCURRED LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | | |
|-------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 |
| 1995 | 1,181 | 1,181 | 1,181 | 1,181 | 1,182 | 1,193 | 1,223 | 1,223 | 1,223 | 1,223 | 1,223 |
| 1996 | 980 | 980 | 980 | 980 | 1,031 | 1,031 | 1,031 | 1,032 | 1,031 | 1,031 | |
| 1997 | 1,437 | 1,437 | 1,437 | 1,438 | 1,438 | 1,438 | 1,438 | 1,438 | 1,438 | 1,438 | |
| 1998 | 1,992 | 1,987 | 2,093 | 2,093 | 2,093 | 2,093 | 2,099 | 2,099 | | | |
| 1999 | 1,426 | 1,435 | 1,435 | 1,435 | 1,435 | 1,435 | 1,435 | | | | |
| 2000 | 2,709 | 2,708 | 2,708 | 2,712 | 2,712 | 2,712 | | | | | |
| 2001 | 1,893 | 1,888 | 1,888 | 1,888 | 1,888 | | | | | | |
| 2002 | 1,441 | 1,441 | 1,441 | 1,441 | | | | | | | |
| 2003 | 2,042 | 2,042 | 2,043 | | | | | | | | |
| 2004 | 1,745 | 1,745 | | | | | | | | | |
| 2005 | 3,123 | | | | | | | | | | |
| 2006 | | | | | | | | | | | |
| 2007 | | | | | | | | | | | |
| 2008 | | | | | | | | | | | |
| 2009 | | | | | | | | | | | |
| 2010 | | | | | | | | | | | |
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| 2012 | | | | | | | | | | | |
| 2013 | | | | | | | | | | | |
| 2014 | | | | | | | | | | | |
| 2015 | | | | | | | | | | | |
| 2016 | | | | | | | | | | | |
| 2017 | | | | | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO |
| | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 | ULT. |
| 1995 | 1.000 | 1.000 | 1.000 | 1.001 | 1.009 | 1.025 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1996 | 1.000 | 1.000 | 1.000 | 1.052 | 1.000 | 1.000 | 1.001 | 0.999 | 1.000 | | |
| 1997 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 1998 | 0.997 | 1.053 | 1.000 | 1.000 | 1.000 | 1.003 | 1.000 | | | | |
| 1999 | 1.006 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| 2000 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | | | | | | |
| 2001 | 0.998 | 1.000 | 1.000 | 1.000 | | | | | | | |
| 2002 | 1.000 | 1.000 | 1.000 | | | | | | | | |
| 2003 | 1.000 | 1.000 | | | | | | | | | |
| 2004 | 1.000 | | | | | | | | | | |
| 2005 | | | | | | | | | | | |
| 2006 | | | | | | | | | | | |
| 2007 | | | | | | | | | | | |
| 2008 | | | | | | | | | | | |
| 2009 | | | | | | | | | | | |
| 2010 | | | | | | | | | | | |
| 2011 | | | | | | | | | | | |
| 2012 | | | | | | | | | | | |
| 2013 | | | | | | | | | | | |
| 2014 | | | | | | | | | | | |
| 2015 | | | | | | | | | | | |
| 2016 | | | | | | | | | | | |
| AVERAGE | 1.000 | 1.006 | 1.000 | 1.008 | 1.002 | 1.006 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 3 YR AVG. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | | | |
| EXCL HI LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | | | |
| 5 YR AVG X HI/LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | | | | | |
| PRIOR SELECTED | 1.002 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| SELECTED | 1.002 | 1.001 | 1.000 | |
| CUMULATIVE | 1.003 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
GENERAL LIABILITY
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

PAID LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | | | |
|----------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
| 1995 | | | | | | | | | | | 1,181 | 1,181 |
| 1996 | | | | | | | | | | 980 | 980 | 980 |
| 1997 | | | | | | | | | 1,437 | 1,437 | 1,437 | 1,437 |
| 1998 | | | | | | | | 1,984 | 1,984 | 1,984 | 1,984 | 1,984 |
| 1999 | | | | | | | 1,421 | 1,423 | 1,426 | 1,426 | 1,426 | 1,426 |
| 2000 | | | | | | 2,548 | 2,607 | 2,638 | 2,642 | 2,660 | 2,660 | 2,661 |
| 2001 | | | | | 1,758 | 1,697 | 1,736 | 1,755 | 1,756 | 1,762 | 1,762 | 1,888 |
| 2002 | | | | 1,067 | 1,237 | 1,413 | 1,436 | 1,439 | 1,439 | 1,439 | 1,441 | 1,441 |
| 2003 | | | 804 | 1,211 | 1,411 | 1,722 | 1,810 | 1,810 | 1,832 | 1,840 | 2,042 | 2,042 |
| 2004 | | 618 | 1,086 | 1,369 | 1,527 | 1,567 | 1,585 | 1,589 | 1,589 | 1,628 | 1,645 | 1,745 |
| 2005 | 611 | 1,424 | 2,030 | 2,417 | 2,616 | 2,729 | 2,856 | 2,859 | 3,101 | 3,101 | 3,101 | 3,101 |
| 2006 | 579 | 849 | 953 | 1,187 | 1,227 | 1,350 | 1,360 | 1,364 | 1,364 | 1,364 | 1,364 | 1,364 |
| 2007 | 455 | 713 | 1,030 | 1,326 | 1,390 | 1,445 | 1,461 | 1,461 | 1,461 | 1,461 | 1,461 | |
| 2008 | 953 | 1,486 | 2,085 | 2,343 | 2,559 | 2,934 | 2,964 | 2,987 | 3,005 | 3,094 | | |
| 2009 | 816 | 1,245 | 1,795 | 2,041 | 2,052 | 2,094 | 2,302 | 2,385 | 2,409 | | | |
| 2010 | 692 | 1,395 | 1,755 | 2,161 | 2,299 | 2,394 | 2,471 | 2,473 | | | | |
| 2011 | 967 | 1,654 | 1,887 | 2,505 | 2,855 | 4,087 | 5,146 | | | | | |
| 2012 | 886 | 1,244 | 1,809 | 2,449 | 2,672 | 4,625 | | | | | | |
| 2013 | 738 | 1,339 | 2,345 | 3,199 | 3,426 | | | | | | | |
| 2014 | 799 | 1,788 | 2,372 | 2,687 | | | | | | | | |
| 2015 | 967 | 1,681 | 2,536 | | | | | | | | | |
| 2016 | 929 | 1,541 | | | | | | | | | | |
| 2017 | 881 | | | | | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO |
| | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 | 156 |
| 1995 | | | | | | | | | | | 1.000 | 1.000 |
| 1996 | | | | | | | | | | 1.000 | 1.000 | 1.000 |
| 1997 | | | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 |
| 1998 | | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1999 | | | | | | | 1.001 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2000 | | | | | | 1.023 | 1.012 | 1.002 | 1.007 | 1.000 | 1.000 | 1.018 |
| 2001 | | | | | 0.965 | 1.023 | 1.011 | 1.001 | 1.003 | 1.000 | 1.072 | 1.000 |
| 2002 | | | | 1.159 | 1.142 | 1.016 | 1.002 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 |
| 2003 | | | 1.506 | 1.165 | 1.220 | 1.051 | 1.000 | 1.012 | 1.004 | 1.110 | 1.000 | 1.000 |
| 2004 | | 1.757 | 1.261 | 1.115 | 1.026 | 1.011 | 1.003 | 1.000 | 1.024 | 1.010 | 1.061 | 1.000 |
| 2005 | 2.331 | 1.426 | 1.191 | 1.082 | 1.043 | 1.047 | 1.001 | 1.085 | 1.000 | 1.000 | 1.000 | 1.007 |
| 2006 | 1.466 | 1.122 | 1.246 | 1.034 | 1.100 | 1.007 | 1.003 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 2007 | 1.567 | 1.445 | 1.287 | 1.048 | 1.040 | 1.011 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| 2008 | 1.559 | 1.403 | 1.124 | 1.092 | 1.147 | 1.010 | 1.008 | 1.006 | 1.029 | | | |
| 2009 | 1.526 | 1.442 | 1.137 | 1.005 | 1.021 | 1.100 | 1.036 | 1.010 | | | | |
| 2010 | 2.016 | 1.258 | 1.231 | 1.064 | 1.041 | 1.032 | 1.001 | | | | | |
| 2011 | 1.710 | 1.141 | 1.327 | 1.139 | 1.432 | 1.259 | | | | | | |
| 2012 | 1.404 | 1.454 | 1.354 | 1.091 | 1.731 | | | | | | | |
| 2013 | 1.815 | 1.751 | 1.365 | 1.071 | | | | | | | | |
| 2014 | 2.238 | 1.327 | 1.133 | | | | | | | | | |
| 2015 | 1.739 | 1.509 | | | | | | | | | | |
| 2016 | 1.659 | | | | | | | | | | | |
| AVERAGE | 1.753 | 1.420 | 1.264 | 1.089 | 1.159 | 1.049 | 1.007 | 1.010 | 1.006 | 1.010 | 1.011 | 1.002 |
| 3 YR AVG. | 1.879 | 1.529 | 1.284 | 1.100 | 1.401 | 1.130 | 1.015 | 1.005 | 1.010 | 1.000 | 1.020 | 1.002 |
| EXCL HI LO | 1.730 | 1.416 | 1.253 | 1.090 | 1.121 | 1.032 | 1.004 | 1.003 | 1.004 | 1.001 | 1.006 | 1.001 |
| 5 YR AVG X HI/LO | 1.738 | 1.430 | 1.304 | 1.075 | 1.207 | 1.048 | 1.004 | 1.005 | 1.008 | 1.003 | 1.000 | 1.000 |
| PRIOR SELECTED | 1.775 | 1.449 | 1.276 | 1.080 | 1.077 | 1.027 | 1.008 | 1.008 | 1.007 | 1.006 | 1.006 | 1.006 |
| SELECTED | 1.775 | 1.449 | 1.276 | 1.080 | 1.077 | 1.027 | 1.008 | 1.008 | 1.007 | 1.006 | 1.006 | 1.006 |
| CUMULATIVE | 4.093 | 2.307 | 1.592 | 1.248 | 1.156 | 1.073 | 1.045 | 1.037 | 1.028 | 1.021 | 1.015 | 1.009 |

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
GENERAL LIABILITY
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

PAID LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | | |
|-------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 |
| 1995 | 1,181 | 1,181 | 1,181 | 1,181 | 1,182 | 1,193 | 1,223 | 1,223 | 1,223 | 1,223 | 1,223 |
| 1996 | 980 | 980 | 980 | 980 | 1,031 | 1,031 | 1,031 | 1,031 | 1,031 | 1,031 | |
| 1997 | 1,437 | 1,437 | 1,437 | 1,438 | 1,438 | 1,438 | 1,438 | 1,438 | 1,438 | | |
| 1998 | 1,984 | 1,987 | 2,093 | 2,093 | 2,093 | 2,093 | 2,099 | 2,099 | | | |
| 1999 | 1,426 | 1,435 | 1,435 | 1,435 | 1,435 | 1,435 | 1,435 | 1,435 | | | |
| 2000 | 2,709 | 2,708 | 2,712 | 2,712 | 2,712 | 2,712 | | | | | |
| 2001 | 1,888 | 1,888 | 1,888 | 1,888 | 1,888 | | | | | | |
| 2002 | 1,441 | 1,441 | 1,441 | 1,441 | | | | | | | |
| 2003 | 2,042 | 2,042 | 2,042 | | | | | | | | |
| 2004 | 1,745 | 1,745 | | | | | | | | | |
| 2005 | 3,123 | | | | | | | | | | |
| 2006 | | | | | | | | | | | |
| 2007 | | | | | | | | | | | |
| 2008 | | | | | | | | | | | |
| 2009 | | | | | | | | | | | |
| 2010 | | | | | | | | | | | |
| 2011 | | | | | | | | | | | |
| 2012 | | | | | | | | | | | |
| 2013 | | | | | | | | | | | |
| 2014 | | | | | | | | | | | |
| 2015 | | | | | | | | | | | |
| 2016 | | | | | | | | | | | |
| 2017 | | | | | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO 168 | TO 180 | TO 192 | TO 204 | TO 216 | TO 228 | TO 240 | TO 252 | TO 264 | TO 276 | TO ULT. |
| 1995 | 1.000 | 1.000 | 1.000 | 1.001 | 1.009 | 1.025 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1996 | 1.000 | 1.000 | 1.000 | 1.052 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| 1997 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 1998 | 1.002 | 1.053 | 1.000 | 1.000 | 1.000 | 1.003 | 1.000 | | | | |
| 1999 | 1.006 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| 2000 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | | | | | | |
| 2001 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | |
| 2002 | 1.000 | 1.000 | 1.000 | | | | | | | | |
| 2003 | 1.000 | 1.000 | | | | | | | | | |
| 2004 | 1.000 | | | | | | | | | | |
| 2005 | | | | | | | | | | | |
| 2006 | | | | | | | | | | | |
| 2007 | | | | | | | | | | | |
| 2008 | | | | | | | | | | | |
| 2009 | | | | | | | | | | | |
| 2010 | | | | | | | | | | | |
| 2011 | | | | | | | | | | | |
| 2012 | | | | | | | | | | | |
| 2013 | | | | | | | | | | | |
| 2014 | | | | | | | | | | | |
| 2015 | | | | | | | | | | | |
| 2016 | | | | | | | | | | | |
| AVERAGE | 1.001 | 1.006 | 1.000 | 1.008 | 1.002 | 1.006 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 3 YR AVG. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | | | |
| EXCL HI LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | | | |
| 5 YR AVG X HI/LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | | | | | |
| PRIOR SELECTED | 1.002 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| SELECTED | 1.002 | 1.001 | 1.000 | |
| CUMULATIVE | 1.003 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE REPORTED CLAIM COUNT DEVELOPMENT FACTORS
GENERAL LIABILITY
AS OF MARCH 31, 2018

REPORTED CLAIM COUNT DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | | |
|----------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 |
| 1995 | 2,129 | 2,129 | 2,129 | 2,129 | 2,129 | 2,129 | 2,143 | 2,154 | 2,154 | 2,154 | 2,187 |
| 1996 | 1,778 | 1,778 | 1,778 | 1,778 | 1,778 | 1,779 | 1,790 | 1,790 | 1,790 | 1,941 | |
| 1997 | 1,941 | 1,941 | 1,941 | 1,941 | 1,941 | 1,959 | 1,959 | 1,959 | 2,025 | | |
| 1998 | 1,877 | 1,877 | 1,877 | 1,889 | 1,899 | 1,899 | 1,899 | 1,996 | | | |
| 1999 | 1,601 | 1,601 | 1,600 | 1,609 | 1,609 | 1,609 | 1,647 | | | | |
| 2000 | 1,704 | 1,702 | 1,718 | 1,718 | 1,718 | 1,768 | | | | | |
| 2001 | 1,930 | 1,950 | 1,950 | 1,950 | 2,065 | | | | | | |
| 2002 | 1,914 | 1,914 | 1,914 | 2,255 | | | | | | | |
| 2003 | 2,098 | 2,098 | 2,161 | | | | | | | | |
| 2004 | 2,150 | 2,200 | | | | | | | | | |
| 2005 | 2,098 | | | | | | | | | | |
| 2006 | | | | | | | | | | | |
| 2007 | | | | | | | | | | | |
| 2008 | | | | | | | | | | | |
| 2009 | | | | | | | | | | | |
| 2010 | | | | | | | | | | | |
| 2011 | | | | | | | | | | | |
| 2012 | | | | | | | | | | | |
| 2013 | | | | | | | | | | | |
| 2014 | | | | | | | | | | | |
| 2015 | | | | | | | | | | | |
| 2016 | | | | | | | | | | | |
| 2017 | | | | | | | | | | | |

CLAIM COUNT DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO 168 | TO 180 | TO 192 | TO 204 | TO 216 | TO 228 | TO 240 | TO 252 | TO 264 | TO 276 | TO ULT. |
| 1995 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.007 | 1.005 | 1.000 | 1.000 | 1.015 | |
| 1996 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.006 | 1.000 | 1.000 | 1.084 | | |
| 1997 | 1.000 | 1.000 | 1.000 | 1.000 | 1.009 | 1.000 | 1.000 | 1.034 | | | |
| 1998 | 1.000 | 1.000 | 1.006 | 1.005 | 1.000 | 1.000 | 1.051 | | | | |
| 1999 | 1.000 | 0.999 | 1.006 | 1.000 | 1.000 | 1.024 | | | | | |
| 2000 | 0.999 | 1.009 | 1.000 | 1.000 | 1.029 | | | | | | |
| 2001 | 1.010 | 1.000 | 1.000 | 1.059 | | | | | | | |
| 2002 | 1.000 | 1.000 | 1.178 | | | | | | | | |
| 2003 | 1.000 | 1.030 | | | | | | | | | |
| 2004 | 1.023 | | | | | | | | | | |
| 2005 | | | | | | | | | | | |
| 2006 | | | | | | | | | | | |
| 2007 | | | | | | | | | | | |
| 2008 | | | | | | | | | | | |
| 2009 | | | | | | | | | | | |
| 2010 | | | | | | | | | | | |
| 2011 | | | | | | | | | | | |
| 2012 | | | | | | | | | | | |
| 2013 | | | | | | | | | | | |
| 2014 | | | | | | | | | | | |
| 2015 | | | | | | | | | | | |
| 2016 | | | | | | | | | | | |
| AVERAGE | 1.003 | 1.004 | 1.024 | 1.009 | 1.007 | 1.007 | 1.014 | 1.011 | 1.042 | 1.015 | |
| 3 YR AVG. | 1.008 | 1.010 | 1.059 | 1.020 | 1.010 | 1.008 | 1.017 | 1.011 | | | |
| EXCL HI LO | 1.001 | 1.001 | 1.002 | 1.001 | 1.003 | 1.004 | 1.003 | 1.000 | | | |
| 5 YR AVG X HI/LO | 1.003 | 1.003 | 1.004 | 1.002 | 1.003 | 1.004 | | | | | |
| PRIOR SELECTED | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | | |
| SELECTED | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | |
| CUMULATIVE | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.001 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE CLAIM FREQUENCY AND ULTIMATE CLAIM SEVERITY
GENERAL LIABILITY
AS OF MARCH 31, 2018
LIMITED TO RETENTION

| ACCIDENT YEARS* | CLAIMS REPORTED @3/31/2018 | DEVELOPMENT FACTORS | ULTIMATE CLAIM COUNT | ULTIMATE LOSS | PAYROLL (\$000'S) | NUMBER OF CLAIMS PER \$MM OF PAYROLL (FREQUENCY) | AVERAGE CLAIM (SEVERITY) (WHOLE DOLLARS) |
|-----------------------|----------------------------|---------------------|----------------------|---------------|-------------------|--|--|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 2004 | 2,200 | 1.001 | 2,202 | 1,745 | 480,618 | 4.6 | \$792 |
| 2005 | 2,098 | 1.001 | 2,100 | 3,127 | 509,922 | 4.1 | 1,489 |
| 2006 | 1,828 | 1.001 | 1,829 | 1,383 | 535,575 | 3.4 | 756 |
| 2007 | 1,731 | 1.001 | 1,732 | 1,459 | 561,917 | 3.1 | 842 |
| 2008 | 2,595 | 1.000 | 2,596 | 3,067 | 588,852 | 4.4 | 1,182 |
| 2009 | 2,001 | 1.000 | 2,001 | 2,477 | 597,703 | 3.3 | 1,238 |
| 2010 | 1,768 | 1.000 | 1,768 | 2,589 | 603,199 | 2.9 | 1,464 |
| 2011 | 1,602 | 1.000 | 1,602 | 6,370 | 617,821 | 2.6 | 3,976 |
| 2012 | 1,603 | 1.000 | 1,603 | 5,001 | 575,116 | 2.8 | 3,120 |
| 2013 | 1,619 | 1.001 | 1,621 | 3,965 | 575,116 | 2.8 | 2,446 |
| 2014 | 1,681 | 1.005 | 1,690 | 3,802 | 572,457 | 3.0 | 2,250 |
| 2015 | 1,729 | 1.010 | 1,747 | 3,997 | 572,457 | 3.1 | 2,288 |
| 2016 | 1,797 | 1.019 | 1,831 | 3,824 | 583,906 | 3.1 | 2,089 |
| 2017 | 2,017 | 1.054 | 2,125 | 4,348 | 595,584 | 3.6 | 2,046 |
| 10/1/2017 - 3/31/2018 | 788 | | 950 | 1,911 | 297,792 | 3.2 | 2,010 |
| TOTAL | 19,045 | | 19,054 | 31,183 | | | |

Notes:

(1) & (5) - Per CITY OF JACKSONVILLE.

(2) - Per CITY OF JACKSONVILLE's historical loss patterns.

(3) = (1) x (2).

(4) = Exhibit VII, Page 1, Column (5).

(6) = [(3) / (5)] x 1000.

(7) = [(4) / (3)] x 1000.

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
ANALYSIS OF RESERVE CHANGE
GENERAL LIABILITY
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| | |
|--|------------------|
| 1. Estimated net undiscounted reserves at 9/30/2017. | \$10,455 |
| 2. Loss payments during 10/1/2017 -3/31/2018 for the accident period 9/30/2017 and prior. | (\$1,928) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018. | \$303 |
| 4. Estimated ultimate losses for the period 10/1/2017 - 3/31/2018. | \$1,911 |
| 5. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 10/1/2017 - 3/31/2018. | (\$224) |
| 6. Estimated net undiscounted reserves at 3/31/2018. | \$10,517 |

Notes:

- (1) - Per AMI Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VII, Page 7C, Column (3).
- (3) - Total from Exhibit VII, Page 7B, Column (3).
- (4) - See Exhibit VII, Page 1, Column (5), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
GENERAL LIABILITY
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | \$1,211 | \$1,211 | \$0 |
| 1996 | 980 | 980 | 0 |
| 1997 | 1,437 | 1,437 | 0 |
| 1998 | 1,990 | 1,990 | 0 |
| 1999 | 1,426 | 1,426 | 0 |
| 2000 | 2,664 | 2,664 | 0 |
| 2001 | 1,762 | 1,762 | 0 |
| 2002 | 1,439 | 1,439 | 0 |
| 2003 | 2,035 | 2,034 | (1) |
| 2004 | 1,745 | 1,745 | 0 |
| 2005 | 3,129 | 3,127 | (2) |
| 2006 | 1,384 | 1,383 | (1) |
| 2007 | 1,459 | 1,459 | 0 |
| 2008 | 3,067 | 3,067 | 0 |
| 2009 | 2,403 | 2,477 | 75 |
| 2010 | 2,815 | 2,589 | (225) |
| 2011 | 6,358 | 6,370 | 12 |
| 2012 | 4,945 | 5,001 | 56 |
| 2013 | 4,058 | 3,965 | (94) |
| 2014 | 3,634 | 3,802 | 168 |
| 2015 | 4,004 | 3,997 | (7) |
| 2016 | 3,755 | 3,824 | 69 |
| 2017 | 4,095 | 4,348 | 253 |
| TOTAL | \$61,796 | \$62,099 | 303 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VII, Page 1, Column (5).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
GENERAL LIABILITY
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|-------------------|-------------------|----------------------------|
| | @9/30/2017 (1) | @3/31/2018 (2) | |
| 1995 | \$1,211 | \$1,211 | \$0 |
| 1996 | 980 | 980 | 0 |
| 1997 | 1,437 | 1,437 | 0 |
| 1998 | 1,990 | 1,990 | 0 |
| 1999 | 1,426 | 1,426 | 0 |
| 2000 | 2,664 | 2,664 | 0 |
| 2001 | 1,762 | 1,762 | 0 |
| 2002 | 1,439 | 1,439 | 0 |
| 2003 | 2,034 | 2,034 | 0 |
| 2004 | 1,745 | 1,745 | 0 |
| 2005 | 3,120 | 3,120 | 0 |
| 2006 | 1,356 | 1,356 | 0 |
| 2007 | 1,459 | 1,459 | 0 |
| 2008 | 3,067 | 3,067 | 0 |
| 2009 | 2,403 | 2,403 | 0 |
| 2010 | 2,452 | 2,452 | 0 |
| 2011 | 5,137 | 5,759 | 622 |
| 2012 | 4,618 | 4,714 | 96 |
| 2013 | 3,425 | 3,444 | 20 |
| 2014 | 2,671 | 3,040 | 369 |
| 2015 | 2,529 | 2,638 | 109 |
| 2016 | 1,536 | 1,846 | 310 |
| 2017 | 880 | 1,281 | 401 |
| TOTAL | \$51,341 | \$53,269 | \$1,928 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VII, Page 1, Column (6).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF TOTAL RESERVES
GENERAL LIABILITY
City of Jacksonville - Other than Sheriff and Fire claims
(\$AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @3/31/2018 | CASE RESERVES @3/31/2018 | INCURRED LOSSES @3/31/2018 | SELECTED ULTIMATE LOSSES | LOSS RESERVES @3/31/2018 |
|-----------------|------------------------|--------------------------|----------------------------|--------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) |
| 1994 | \$371 | \$0 | \$371 | \$371 | \$0 |
| 1995 | 198 | 0 | 198 | 198 | 0 |
| 1996 | 448 | 0 | 448 | 448 | 0 |
| 1997 | 460 | 0 | 460 | 460 | 0 |
| 1998 | 474 | 0 | 474 | 474 | 0 |
| 1999 | 600 | 0 | 600 | 600 | 0 |
| 2000 | 367 | 0 | 367 | 367 | 0 |
| 2001 | 471 | 0 | 471 | 471 | 0 |
| 2002 | 506 | 0 | 506 | 506 | 0 |
| 2003 | 644 | 0 | 644 | 644 | 0 |
| 2004 | 488 | 0 | 488 | 488 | 0 |
| 2005 | 1,067 | 0 | 1,067 | 1,074 | 7 |
| 2006 | 510 | 17 | 527 | 537 | 27 |
| 2007 | 648 | 0 | 648 | 648 | 0 |
| 2008 | 1,074 | 0 | 1,074 | 1,074 | 0 |
| 2009 | 940 | 0 | 940 | 940 | 0 |
| 2010 | 951 | 0 | 951 | 951 | 0 |
| 2011 | 4,040 | 514 | 4,555 | 4,651 | 611 |
| 2012 | 1,048 | 107 | 1,154 | 1,312 | 265 |
| 2013 | 1,773 | 167 | 1,940 | 1,998 | 225 |
| 2014 | 1,528 | 284 | 1,812 | 1,911 | 383 |
| 2015 | 1,256 | 438 | 1,694 | 1,856 | 600 |
| 2016 | 791 | 685 | 1,477 | 1,974 | 1,183 |
| 2017 | 679 | 844 | 1,524 | 2,404 | 1,725 |
| 2018 | 107 | 390 | 497 | 1,055 | 949 |
| TOTAL | \$21,441 | \$3,447 | \$24,888 | \$27,415 | \$5,974 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VII, Page 1, Column (7) , based on case reserves.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
GENERAL LIABILITY
City of Jacksonville - Other than Sheriff and Fire claims
(\$AMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED ULTIMATE LOSSES | RETENTION LIMIT | PAYROLL | LOSS RATE |
|---------------------|--------------------------|-----------------|---------|-----------|
| | (1) | (2) | (3) | (4) |
| 1994 | \$371 | \$1,000 | N/A | N/A |
| 1995 | 198 | 1,000 | N/A | N/A |
| 1996 | 448 | 1,000 | N/A | N/A |
| 1997 | 460 | 1,000 | N/A | N/A |
| 1998 | 474 | 1,000 | N/A | N/A |
| 1999 | 600 | 1,000 | N/A | N/A |
| 2000 | 367 | 1,000 | N/A | N/A |
| 2001 | 471 | 1,000 | N/A | N/A |
| 2002 | 506 | 1,000 | N/A | N/A |
| 2003 | 644 | 1,200 | N/A | N/A |
| 2004 | 488 | 5,000 | 159,436 | 0.0031 |
| 2005 | 1,074 | 5,000 | 169,833 | 0.0063 |
| 2006 | 537 | 5,000 | 169,448 | 0.0032 |
| 2007 | 648 | 5,000 | 172,338 | 0.0038 |
| 2008 | 1,074 | 5,000 | 175,789 | 0.0061 |
| 2009 | 940 | 5,000 | 184,392 | 0.0051 |
| 2010 | 951 | 5,000 | 180,592 | 0.0053 |
| 2011 | 4,651 | 5,000 | 187,761 | 0.0248 |
| 2012 | 1,312 | various ** | 164,250 | 0.0080 |
| 2013 | 1,998 | various** | 152,157 | 0.0131 |
| 2014 | 1,911 | 1,500 | 142,034 | 0.0135 |
| 2015 | 1,856 | 1,500 | 167,877 | 0.0111 |
| 2016 | 1,974 | 1,500 | 168,012 | 0.0117 |
| 2017 | 2,404 | 1,500 | 160,222 | 0.0150 |
| 10/1/2017-3/31/2018 | 1,055 | 1,500 | 80,111 | 0.0132 |
| 4/1/2018-9/30/2018 | 1,066 | 1,500 | 80,111 | 0.0133 |
| (PROJ.) 2018/2019 | 2,219 | 1,500 | 163,427 | 0.0136 |

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEARS* | 50% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (13) | (14) |
| 4/1/2018-9/30/2018 | \$1,066 | \$1,238 | \$1,294 | \$1,364 | \$1,446 | \$1,563 |
| 2019/2020 | \$2,219 | \$2,577 | \$2,694 | \$2,840 | \$3,011 | \$3,253 |

Notes:
(1) - Exhibit VII-A, Page 1, Column (4). For the projection years (1) = (3) x (4)
(2) & (3) - Per CITY OF JACKSONVILLE.
(4) = (1) / (3). For the projected years, it is the trended based on the prior years.
(5) = Projected losses in Column (1).
(6) to (10) - Based on Monte Carlo Simulation Approach.
**retention limits for AYs 2012 to 2013
GL-Group A - 2,500,000
GL-Group B - 5,000,000
GL Fungi/Bacteria - 5,000,000
*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
GENERAL LIABILITY
City of Jacksonville
(\$AMTS IN THOUSANDS)

| | |
|---|------------------|
| 1. Estimated net undiscounted reserves at 9/30/2017. | \$5,965 |
| 2. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 9/30/2017 and prior. | (\$1,308) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018 | \$368 |
| 4. Estimated ultimate losses for the period 10/1/2017 - 3/31/2018. | \$1,055 |
| 5. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 10/1/2017 - 3/31/2018. | (\$107) |
| 6. Estimated net undiscounted reserves at 3/31/2018 | \$5,974 |

Notes:

- (1) - Per AMI Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VII-A, Page 3C, Column (3).
- (3) - Total from Exhibit VII-A, Page 3B, Column (3).
- (4) - See Exhibit VII-A, Page 1, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 AS OF MARCH 31, 2018
 COMPARISON OF ESTIMATED ULTIMATE LOSSES
 AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
GENERAL LIABILITY
 City of Jacksonville
 (\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | 198 | 198 | 0 |
| 1996 | 448 | 448 | 0 |
| 1997 | 460 | 460 | 0 |
| 1998 | 474 | 474 | 0 |
| 1999 | 600 | 600 | 0 |
| 2000 | 367 | 367 | 0 |
| 2001 | 471 | 471 | 0 |
| 2002 | 506 | 506 | 0 |
| 2003 | 644 | 644 | 0 |
| 2004 | 488 | 488 | 0 |
| 2005 | 1,075 | 1,074 | (2) |
| 2006 | 538 | 537 | (1) |
| 2007 | 648 | 648 | 0 |
| 2008 | 1,074 | 1,074 | 0 |
| 2009 | 940 | 940 | 0 |
| 2010 | 951 | 951 | 0 |
| 2011 | 4,656 | 4,651 | (5) |
| 2012 | 1,294 | 1,312 | 19 |
| 2013 | 1,978 | 1,998 | 20 |
| 2014 | 1,820 | 1,911 | 92 |
| 2015 | 1,903 | 1,856 | (46) |
| 2016 | 2,099 | 1,974 | (125) |
| 2017 | 1,988 | 2,404 | 416 |
| TOTAL | \$25,621 | \$25,989 | 368 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VII-A, Column (4) of Pages 1.

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 AS OF MARCH 31, 2018
 COMPARISON OF PAID LOSSES
 AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
 GENERAL LIABILITY
 City of Jacksonville
 (\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|-----------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | 198 | 198 | 0 |
| 1996 | 448 | 448 | 0 |
| 1997 | 460 | 460 | 0 |
| 1998 | 474 | 474 | 0 |
| 1999 | 600 | 600 | 0 |
| 2000 | 367 | 367 | 0 |
| 2001 | 471 | 471 | 0 |
| 2002 | 506 | 506 | 0 |
| 2003 | 644 | 644 | 0 |
| 2004 | 488 | 488 | 0 |
| 2005 | 1,067 | 1,067 | 0 |
| 2006 | 510 | 510 | 0 |
| 2007 | 648 | 648 | 0 |
| 2008 | 1,074 | 1,074 | 0 |
| 2009 | 940 | 940 | 0 |
| 2010 | 951 | 951 | 0 |
| 2011 | 3,440 | 4,040 | 600 |
| 2012 | 1,047 | 1,048 | 1 |
| 2013 | 1,757 | 1,773 | 16 |
| 2014 | 1,378 | 1,528 | 150 |
| 2015 | 1,157 | 1,256 | 99 |
| 2016 | 613 | 791 | 178 |
| 2017 | 415 | 679 | 264 |
| TOTAL | \$19,656 | \$20,963 | 1,308 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VII-A, Page 1, Column (1).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 AS OF MARCH 31, 2018
 CALCULATION OF TOTAL RESERVES
 GENERAL LIABILITY
 City of Jacksonville - Sheriff Claims
 (\$AMTS IN THOUSANDS)
 LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @3/31/2018 | CASE RESERVES @3/31/2018 | INCURRED LOSSES @3/31/2018 | SELECTED ULTIMATE LOSSES | LOSS RESERVES @3/31/2018 |
|-----------------|------------------------|--------------------------|----------------------------|--------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) |
| 1994 | \$373 | \$0 | \$373 | \$373 | \$0 |
| 1995 | 506 | 0 | 506 | 506 | 0 |
| 1996 | 153 | 0 | 153 | 153 | 0 |
| 1997 | 537 | 0 | 537 | 537 | 0 |
| 1998 | 1,139 | 0 | 1,139 | 1,139 | 0 |
| 1999 | 176 | 0 | 176 | 176 | 0 |
| 2000 | 1,795 | 0 | 1,795 | 1,795 | 0 |
| 2001 | 315 | 0 | 315 | 315 | 0 |
| 2002 | 288 | 0 | 288 | 288 | 0 |
| 2003 | 896 | 0 | 896 | 896 | 0 |
| 2004 | 542 | 0 | 542 | 542 | 0 |
| 2005 | 1,550 | 0 | 1,550 | 1,550 | 0 |
| 2006 | 266 | 0 | 266 | 266 | 0 |
| 2007 | 415 | 0 | 415 | 415 | 0 |
| 2008 | 763 | 0 | 763 | 763 | 0 |
| 2009 | 919 | 0 | 919 | 919 | 0 |
| 2010 | 496 | 27 | 522 | 543 | 48 |
| 2011 | 1,001 | 0 | 1,001 | 1,001 | 0 |
| 2012 | 2,914 | 9 | 2,923 | 2,937 | 22 |
| 2013 | 916 | 159 | 1,076 | 1,131 | 214 |
| 2014 | 331 | 168 | 499 | 558 | 227 |
| 2015 | 876 | 442 | 1,318 | 1,481 | 606 |
| 2016 | 337 | 236 | 573 | 744 | 407 |
| 2017 | 78 | 433 | 511 | 962 | 885 |
| 2018 | 4 | 96 | 100 | 237 | 233 |
| TOTAL | \$17,586 | \$1,569 | \$19,155 | \$20,226 | \$2,641 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VII, Page 1, Column (7) , based on case reserves.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
GENERAL LIABILITY
City of Jacksonville - Sheriff Claims
(\$AMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED ULTIMATE LOSSES | RETENTION LIMIT | PAYROLL | LOSS RATE |
|---------------------------|--------------------------|-----------------|---------|-----------|
| | (1) | (2) | (3) | (4) |
| 1994 | \$373 | \$1,000 | N/A | N/A |
| 1995 | 506 | 1,000 | N/A | N/A |
| 1996 | 153 | 1,000 | N/A | N/A |
| 1997 | 537 | 1,000 | N/A | N/A |
| 1998 | 1,139 | 1,000 | N/A | N/A |
| 1999 | 176 | 1,000 | N/A | N/A |
| 2000 | 1,795 | 1,000 | N/A | N/A |
| 2001 | 315 | 1,000 | N/A | N/A |
| 2002 | 288 | 1,000 | N/A | N/A |
| 2003 | 896 | 1,200 | N/A | N/A |
| 2004 | 542 | 5,000 | 116,865 | 0.0046 |
| 2005 | 1,550 | 5,000 | 134,969 | 0.0115 |
| 2006 | 266 | 5,000 | 137,826 | 0.0019 |
| 2007 | 415 | 5,000 | 147,222 | 0.0028 |
| 2008 | 763 | 5,000 | 153,840 | 0.0050 |
| 2009 | 919 | 5,000 | 164,709 | 0.0056 |
| 2010 | 543 | 5,000 | 171,283 | 0.0032 |
| 2011 | 1,001 | 5,000 | 175,841 | 0.0057 |
| 2012 | 2,937 | various ** | 163,299 | 0.0180 |
| 2013 | 1,131 | various** | 159,681 | 0.0071 |
| 2014 | 558 | 1,500 | 160,139 | 0.0035 |
| 2015 | 1,481 | 1,500 | 152,304 | 0.0097 |
| 2016 | 744 | 1,500 | 152,426 | 0.0049 |
| 2017 | 962 | 1,500 | 145,360 | 0.0066 |
| 10/1/2017-3/31/2018 | 237 | 1,500 | 72,680 | 0.0033 |
| 4/1/2018-9/30/2018 | 407 | 1,500 | 72,680 | 0.0056 |
| (PROJ.) 2019/2020 | 846 | 1,500 | 148,267 | 0.0057 |

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEARS* | 50% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (13) | (14) |
| 4/1/2018-9/30/2018 | \$407 | \$473 | \$494 | \$521 | \$552 | \$597 |
| 2018/2019 | \$846 | \$982 | \$1,027 | \$1,083 | \$1,148 | \$1,240 |

Notes:

(1) - Exhibit VII-B, Page 1, Column (4). For the projection years (1) = (3) x (4).

(2) & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) / (3). For the projected years, it is trended based on the prior years.

(5) = Projected losses in Column (1).

(6) to (10) - Based on Monte Carlo Simulation Approach.

**retention limits for AYs 2012 to 2013

GL-Group A - 2,500,000

GL-Group B - 5,000,000

GL Fungi/Bacteria - 5,000,000

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
GENERAL LIABILITY
City of Jacksonville - Sheriff Claims
(\$AMTS IN THOUSANDS)

| | |
|--|----------------|
| 1. Estimated net undiscounted reserves at 9/30/2017. | \$2,502 |
| 2. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 9/30/2017 and prior. | (\$343) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018. | \$250 |
| 4. Estimated ultimate losses for the period 10/1/2017 - 3/31/2018. | \$237 |
| 5. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 10/1/2017 - 3/31/2018. | (\$4) |
| 6. Estimated net undiscounted reserves at 3/31/2018. | \$2,641 |

Notes:

- (1) - Per Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VII-B, Page 3C, Column (3).
- (3) - Total from Exhibit VII-B, Page 3B, Column (3).
- (4) - See Exhibit VII-B, Page 1, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 AS OF MARCH 31, 2018
 COMPARISON OF ESTIMATED ULTIMATE LOSSES
 AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
 GENERAL LIABILITY
 City of Jacksonville - Sheriff Claims
 (\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | \$506 | \$506 | \$0 |
| 1996 | 153 | 153 | 0 |
| 1997 | 537 | 537 | 0 |
| 1998 | 1,139 | 1,139 | 0 |
| 1999 | 176 | 176 | 0 |
| 2000 | 1,795 | 1,795 | 0 |
| 2001 | 315 | 315 | 0 |
| 2002 | 288 | 288 | 0 |
| 2003 | 897 | 896 | (1) |
| 2004 | 542 | 542 | 0 |
| 2005 | 1,550 | 1,550 | 0 |
| 2006 | 266 | 266 | 0 |
| 2007 | 415 | 415 | 0 |
| 2008 | 763 | 763 | 0 |
| 2009 | 919 | 919 | 0 |
| 2010 | 770 | 543 | (227) |
| 2011 | 984 | 1,001 | 17 |
| 2012 | 2,900 | 2,937 | 37 |
| 2013 | 1,216 | 1,131 | (85) |
| 2014 | 437 | 558 | 120 |
| 2015 | 1,394 | 1,481 | 88 |
| 2016 | 647 | 744 | 96 |
| 2017 | 758 | 962 | 204 |
| TOTAL | \$19,367 | \$19,617 | \$250 |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VII-B, Page 1, Column (4).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 AS OF MARCH 31, 2018
 COMPARISON OF PAID LOSSES
 AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
 GENERAL LIABILITY
 City of Jacksonville - Sheriff Claims
 (\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|-----------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | \$506 | \$506 | \$0 |
| 1996 | 153 | 153 | 0 |
| 1997 | 537 | 537 | 0 |
| 1998 | 1,139 | 1,139 | 0 |
| 1999 | 176 | 176 | 0 |
| 2000 | 1,795 | 1,795 | 0 |
| 2001 | 315 | 315 | 0 |
| 2002 | 288 | 288 | 0 |
| 2003 | 896 | 896 | 0 |
| 2004 | 542 | 542 | 0 |
| 2005 | 1,550 | 1,550 | 0 |
| 2006 | 266 | 266 | 0 |
| 2007 | 415 | 415 | 0 |
| 2008 | 763 | 763 | 0 |
| 2009 | 919 | 919 | 0 |
| 2010 | 495 | 496 | 0 |
| 2011 | 980 | 1,001 | 22 |
| 2012 | 2,819 | 2,914 | 95 |
| 2013 | 914 | 916 | 2 |
| 2014 | 297 | 331 | 34 |
| 2015 | 867 | 876 | 9 |
| 2016 | 213 | 337 | 124 |
| 2017 | 21 | 78 | 57 |
| TOTAL | \$16,866 | \$17,209 | \$343 |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VII-B, Page 1, Column (1).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 AS OF MARCH 31, 2018
 CALCULATION OF TOTAL RESERVES
 GENERAL LIABILITY
 City of Jacksonville - Fire Claims
 (\$AMTS IN THOUSANDS)
 LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @3/31/2018 | CASE RESERVES @3/31/2018 | INCURRED LOSSES @3/31/2018 | SELECTED ULTIMATE LOSSES | LOSS RESERVES @3/31/2018 |
|-----------------|------------------------|--------------------------|----------------------------|--------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) |
| 1994 | \$73 | \$0 | \$73 | \$73 | \$0 |
| 1995 | 3 | 0 | 3 | 3 | 0 |
| 1996 | 3 | 0 | 3 | 3 | 0 |
| 1997 | 3 | 0 | 3 | 3 | 0 |
| 1998 | 7 | 0 | 7 | 7 | 0 |
| 1999 | 313 | 0 | 313 | 313 | 0 |
| 2000 | 183 | 0 | 183 | 183 | 0 |
| 2001 | 321 | 0 | 321 | 321 | 0 |
| 2002 | 1 | 0 | 1 | 1 | 0 |
| 2003 | 1 | 0 | 1 | 1 | 0 |
| 2004 | 12 | 0 | 12 | 12 | 0 |
| 2005 | 63 | 0 | 63 | 63 | 0 |
| 2006 | 11 | 0 | 11 | 11 | 0 |
| 2007 | 11 | 0 | 11 | 11 | 0 |
| 2008 | 300 | 0 | 300 | 300 | 0 |
| 2009 | 33 | 0 | 33 | 33 | 0 |
| 2010 | 134 | 0 | 134 | 134 | 0 |
| 2011 | 18 | 0 | 18 | 18 | 0 |
| 2012 | 141 | 0 | 141 | 141 | 0 |
| 2013 | 87 | 0 | 87 | 87 | 0 |
| 2014 | 6 | 0 | 6 | 6 | 0 |
| 2015 | 19 | 14 | 33 | 38 | 19 |
| 2016 | 38 | 0 | 38 | 38 | 0 |
| 2017 | 12 | 0 | 12 | 12 | 0 |
| 2018 | 4 | 1 | 5 | 7 | 3 |
| TOTAL | \$1,797 | \$15 | \$1,813 | \$1,820 | \$23 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VII, Page 1, Column (7) , based on case reserves.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
GENERAL LIABILITY
City of Jacksonville - Fire Claims
(\$AMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED ULTIMATE LOSSES | RETENTION LIMIT | PAYROLL | LOSS RATE |
|---------------------|--------------------------|-----------------|---------|-----------|
| | (1) | (2) | (3) | (4) |
| 1994 | \$73 | \$1,000 | N/A | N/A |
| 1995 | 3 | 1,000 | N/A | N/A |
| 1996 | 3 | 1,000 | N/A | N/A |
| 1997 | 3 | 1,000 | N/A | N/A |
| 1998 | 7 | 1,000 | N/A | N/A |
| 1999 | 313 | 1,000 | N/A | N/A |
| 2000 | 183 | 1,000 | N/A | N/A |
| 2001 | 321 | 1,000 | N/A | N/A |
| 2002 | 1 | 1,000 | N/A | N/A |
| 2003 | 1 | 1,200 | N/A | N/A |
| 2004 | 12 | 5,000 | 56,264 | 0.0002 |
| 2005 | 63 | 5,000 | 67,634 | 0.0009 |
| 2006 | 11 | 5,000 | 67,158 | 0.0002 |
| 2007 | 11 | 5,000 | 71,897 | 0.0002 |
| 2008 | 300 | 5,000 | 74,955 | 0.0040 |
| 2009 | 33 | 5,000 | 77,831 | 0.0004 |
| 2010 | 134 | 5,000 | 84,047 | 0.0016 |
| 2011 | 18 | 5,000 | 80,441 | 0.0002 |
| 2012 | 141 | various ** | 75,531 | 0.0019 |
| 2013 | 87 | various** | 74,599 | 0.0012 |
| 2014 | 6 | 1,500 | 79,498 | 0.0001 |
| 2015 | 38 | 1,500 | 73,172 | 0.0005 |
| 2016 | 38 | 1,500 | 73,231 | 0.0005 |
| 2017 | 12 | 1,500 | 69,836 | 0.0002 |
| 10/1/2017-3/31/2018 | 7 | 1,500 | 34,918 | 0.0002 |
| 4/1/2018-9/30/2018 | 12 | 1,500 | 34,918 | 0.0004 |
| (PROJ.) 2018/2019 | 26 | 1,500 | 71,232 | 0.0004 |

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEARS* | 50% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (13) | (14) |
| 4/1/2018-9/30/2018 | \$12 | \$14 | \$15 | \$15 | \$16 | \$18 |
| (PROJ.) 2018/2019 | \$26 | \$30 | \$32 | \$33 | \$35 | \$38 |

Notes:

(1) - Exhibit VII-C, Page 1, Column (4). For the projection years (1) = (3) x (4).

(2) & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) / (3). For the projected years, it is the trended based on the prior years.

(5) = Projected losses in Column (1).

(6) to (10) - Based on Monte Carlo Simulation Approach.

**retention limits for AYs 2012 to 2013

GL-Group A - 2,500,000

GL-Group B- 5,000,000

GL Fungi/Bacteria - 5,000,000

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
GENERAL LIABILITY
City of Jacksonville - Fire Claims
(\$AMTS IN THOUSANDS)

| | |
|--|--------------|
| 1. Estimated net undiscounted reserves at 9/30/2017. | \$24 |
| 2. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 9/30/2017 and prior. | (\$0) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018. | (\$5) |
| 4. Estimated ultimate losses for the period 10/1/2017 - 3/31/2018. | \$7 |
| 5. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 10/1/2017 - 3/31/2018. | (\$4) |
| 6. Estimated net undiscounted reserves at 3/31/2018. | \$23 |

Notes:

- (1) - Per Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VII-C, Page 3C, Column (3).
- (3) - Total from Exhibit VII-C, Page 3B, Column (3).
- (4) - See Exhibit VII-C, Page 1, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 AS OF MARCH 31, 2018
 COMPARISON OF ESTIMATED ULTIMATE LOSSES
 AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
GENERAL LIABILITY
 City of Jacksonville - Fire Claims
 (\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | 3 | 3 | 0 |
| 1996 | 3 | 3 | 0 |
| 1997 | 3 | 3 | 0 |
| 1998 | 7 | 7 | 0 |
| 1999 | 313 | 313 | 0 |
| 2000 | 183 | 183 | 0 |
| 2001 | 321 | 321 | 0 |
| 2002 | 1 | 1 | 0 |
| 2003 | 1 | 1 | 0 |
| 2004 | 12 | 12 | 0 |
| 2005 | 63 | 63 | 0 |
| 2006 | 11 | 11 | 0 |
| 2007 | 11 | 11 | 0 |
| 2008 | 300 | 300 | 0 |
| 2009 | 33 | 33 | 0 |
| 2010 | 134 | 134 | 0 |
| 2011 | 18 | 18 | 0 |
| 2012 | 141 | 141 | 0 |
| 2013 | 87 | 87 | 0 |
| 2014 | 6 | 6 | 0 |
| 2015 | 43 | 38 | (4) |
| 2016 | 38 | 38 | 0 |
| 2017 | 12 | 12 | (1) |
| TOTAL | \$1,744 | \$1,740 | (5) |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VII-C, Page 1, Column (4).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 AS OF MARCH 31, 2018
 COMPARISON OF PAID LOSSES
 AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
 GENERAL LIABILITY
 City of Jacksonville - Fire Claims
 (\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|----------------|----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | 3 | 3 | 0 |
| 1996 | 3 | 3 | 0 |
| 1997 | 3 | 3 | 0 |
| 1998 | 7 | 7 | 0 |
| 1999 | 313 | 313 | 0 |
| 2000 | 183 | 183 | 0 |
| 2001 | 321 | 321 | 0 |
| 2002 | 1 | 1 | 0 |
| 2003 | 1 | 1 | 0 |
| 2004 | 12 | 12 | 0 |
| 2005 | 63 | 63 | 0 |
| 2006 | 11 | 11 | 0 |
| 2007 | 11 | 11 | 0 |
| 2008 | 300 | 300 | 0 |
| 2009 | 33 | 33 | 0 |
| 2010 | 134 | 134 | 0 |
| 2011 | 18 | 18 | 0 |
| 2012 | 141 | 141 | 0 |
| 2013 | 87 | 87 | 0 |
| 2014 | 6 | 6 | 0 |
| 2015 | 19 | 19 | 0 |
| 2016 | 38 | 38 | 0 |
| 2017 | 12 | 12 | 0 |
| TOTAL | \$1,720 | \$1,721 | 0 |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VII-C, Page 1, Column (1).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 AS OF MARCH 31, 2018
 CALCULATION OF TOTAL RESERVES
 GENERAL LIABILITY
 Jacksonville Electric Authority
 (\$AMTS IN THOUSANDS)
 LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @3/31/2018 | CASE RESERVES @3/31/2018 | INCURRED LOSSES @3/31/2018 | SELECTED ULTIMATE LOSSES | LOSS RESERVES @3/31/2018 |
|-----------------|------------------------|--------------------------|----------------------------|--------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) |
| 1994 | \$159 | \$0 | \$159 | \$159 | \$0 |
| 1995 | 181 | 0 | 181 | 181 | 0 |
| 1996 | 304 | 0 | 304 | 304 | 0 |
| 1997 | 251 | 0 | 251 | 251 | 0 |
| 1998 | 257 | 0 | 257 | 257 | 0 |
| 1999 | 76 | 0 | 76 | 76 | 0 |
| 2000 | 140 | 0 | 140 | 140 | 0 |
| 2001 | 263 | 0 | 263 | 263 | 0 |
| 2002 | 361 | 0 | 361 | 361 | 0 |
| 2003 | 251 | 0 | 251 | 251 | 0 |
| 2004 | 351 | 0 | 351 | 351 | 0 |
| 2005 | 259 | 0 | 259 | 259 | 0 |
| 2006 | 232 | 0 | 232 | 232 | 0 |
| 2007 | 153 | 0 | 153 | 153 | 0 |
| 2008 | 709 | 0 | 709 | 709 | 0 |
| 2009 | 219 | 0 | 219 | 219 | 0 |
| 2010 | 567 | 50 | 617 | 656 | 90 |
| 2011 | 229 | 0 | 229 | 229 | 0 |
| 2012 | 273 | 0 | 273 | 273 | 0 |
| 2013 | 351 | 30 | 381 | 391 | 40 |
| 2014 | 792 | 68 | 860 | 884 | 92 |
| 2015 | 253 | 0 | 253 | 253 | 0 |
| 2016 | 265 | 119 | 384 | 471 | 206 |
| 2017 | 238 | 22 | 259 | 282 | 44 |
| 2018 | 26 | 68 | 93 | 190 | 164 |
| TOTAL | \$7,159 | \$357 | \$7,516 | \$7,795 | \$636 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VII, Page 1, Column (7) , based on case reserves.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
GENERAL LIABILITY
Jacksonville Electric Authority
(\$AMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED ULTIMATE LOSSES | RETENTION LIMIT | PAYROLL | LOSS RATE |
|---------------------|--------------------------|-----------------|----------|-----------|
| | (1) | (2) | (3) | (4) |
| 1994 | \$159 | \$1,000 | \$61,766 | 0.0026 |
| 1995 | 181 | 1,000 | 63,095 | 0.0029 |
| 1996 | 304 | 1,000 | 67,224 | 0.0045 |
| 1997 | 251 | 1,000 | 69,156 | 0.0036 |
| 1998 | 257 | 1,000 | 74,665 | 0.0034 |
| 1999 | 76 | 1,000 | 79,194 | 0.0010 |
| 2000 | 140 | 1,000 | 69,876 | 0.0020 |
| 2001 | 263 | 1,000 | 78,920 | 0.0033 |
| 2002 | 361 | 1,000 | 84,291 | 0.0043 |
| 2003 | 251 | 1,200 | 87,189 | 0.0029 |
| 2004 | 351 | 5,000 | 95,138 | 0.0037 |
| 2005 | 259 | 5,000 | 80,545 | 0.0032 |
| 2006 | 232 | 5,000 | 100,553 | 0.0023 |
| 2007 | 153 | 5,000 | 106,527 | 0.0014 |
| 2008 | 709 | 5,000 | 117,539 | 0.0060 |
| 2009 | 219 | 5,000 | 107,365 | 0.0020 |
| 2010 | 656 | 5,000 | 106,026 | 0.0062 |
| 2011 | 229 | 5,000 | 115,431 | 0.0020 |
| 2012 | 273 | various** | 111,318 | 0.0025 |
| 2013 | 391 | various** | 115,771 | 0.0034 |
| 2014 | 884 | 1,500 | 122,387 | 0.0072 |
| 2015 | 253 | 1,500 | 117,037 | 0.0022 |
| 2016 | 471 | 1,500 | 122,973 | 0.0038 |
| 2017 | 282 | 1,500 | 124,989 | 0.0023 |
| 10/1/2017-3/31/2018 | 190 | 1,500 | 62,494 | 0.0030 |
| 4/1/2018-9/30/2018 | \$242 | 1,500 | 62,494 | 0.0039 |
| (PROJ.) 2018/2019 | 503 | 1,500 | 127,489 | 0.0039 |

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEARS* | 55% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (9) | (10) |
| 4/1/2018-9/30/2018 | \$242 | \$281 | \$294 | \$310 | \$328 | \$355 |
| 2018/2019 | \$503 | \$584 | \$611 | \$644 | \$682 | \$737 |

Notes:

- (1) - Exhibit VII-D, Page 1, Column (4). For the projection years (1) = (3) x (4).
- (2) & (3) - Per CITY OF JACKSONVILLE.
- (4) = (1) / (3). For the projected years, it is trended based on the prior years.
- (5) = Projected losses in Column (1).
- (6) to (10) - Based on Monte Carlo Simulation Approach.

**retention limits for AYs 2012 to 2013

GL-Group A - 2,500,000

GL-Group B - 5,000,000

GL Fungi/Bacteria - 5,000,000

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
GENERAL LIABILITY
Jacksonville Electric Authority
(\$AMTS IN THOUSANDS)

| | |
|--|----------------|
| 1. Estimated net undiscounted reserves at 9/30/2017. | \$1,030 |
| 2. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 9/30/2017 and prior. | (\$221) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018. | (\$337) |
| 4. Estimated ultimate losses for the period 10/1/2017 - 3/31/2018. | \$190 |
| 5. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 10/1/2017 - 3/31/2018. | (\$26) |
| 6. Estimated net undiscounted reserves at 3/31/2018. | \$636 |

Notes:

- (1) - Per AMI Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VII-D, Page 3C of 3, Column (3).
- (3) - Total from Exhibit VII-D, Page 3B of 3, Column (3).
- (4) - See Exhibit VII-D, Page 1 of 3, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 AS OF MARCH 31, 2018
 COMPARISON OF ESTIMATED ULTIMATE LOSSES
 AS OF SEPTEMBER 30, 2017 AND SEEPTEMBER 30, 2018
 GENERAL LIABILITY
 Jacksonville Electric Authority
 (\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | 181 | 181 | 0 |
| 1996 | 304 | 304 | 0 |
| 1997 | 251 | 251 | 0 |
| 1998 | 257 | 257 | 0 |
| 1999 | 76 | 76 | 0 |
| 2000 | 140 | 140 | 0 |
| 2001 | 263 | 263 | 0 |
| 2002 | 361 | 361 | 0 |
| 2003 | 251 | 251 | 0 |
| 2004 | 351 | 351 | 0 |
| 2005 | 259 | 259 | 0 |
| 2006 | 232 | 232 | 0 |
| 2007 | 153 | 153 | 0 |
| 2008 | 709 | 709 | 0 |
| 2009 | 219 | 219 | 0 |
| 2010 | 655 | 656 | 1 |
| 2011 | 229 | 229 | 0 |
| 2012 | 273 | 273 | 0 |
| 2013 | 422 | 391 | (31) |
| 2014 | 936 | 884 | (52) |
| 2015 | 268 | 253 | (15) |
| 2016 | 343 | 471 | 128 |
| 2017 | 649 | 282 | (367) |
| TOTAL | \$7,783 | \$7,446 | (337) |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VII-D, Page 1 of 3, Column (4).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
GENERAL LIABILITY
Jacksonville Electric Authority
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|----------------|----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | 181 | 181 | 0 |
| 1996 | 304 | 304 | 0 |
| 1997 | 251 | 251 | 0 |
| 1998 | 257 | 257 | 0 |
| 1999 | 76 | 76 | 0 |
| 2000 | 140 | 140 | 0 |
| 2001 | 263 | 263 | 0 |
| 2002 | 361 | 361 | 0 |
| 2003 | 251 | 251 | 0 |
| 2004 | 351 | 351 | 0 |
| 2005 | 259 | 259 | 0 |
| 2006 | 232 | 232 | 0 |
| 2007 | 153 | 153 | 0 |
| 2008 | 709 | 709 | 0 |
| 2009 | 219 | 219 | 0 |
| 2010 | 567 | 567 | 0 |
| 2011 | 229 | 229 | 0 |
| 2012 | 273 | 273 | 0 |
| 2013 | 351 | 351 | 0 |
| 2014 | 607 | 792 | 185 |
| 2015 | 253 | 253 | (0) |
| 2016 | 264 | 265 | 0 |
| 2017 | 202 | 238 | 36 |
| TOTAL | \$6,753 | \$6,974 | 221 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VII-D, Page 1 of 3, Column (1).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 AS OF MARCH 31, 2018
 CALCULATION OF TOTAL RESERVES
 GENERAL LIABILITY
 Jacksonville Electric Authority-Water and Sewer
 (\$AMTS IN THOUSANDS)
 LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @3/31/2018 | CASE RESERVES @3/31/2018 | INCURRED LOSSES @3/31/2018 | SELECTED ULTIMATE LOSSES | LOSS RESERVES @3/31/2018 |
|-----------------|------------------------|--------------------------|----------------------------|--------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) |
| 1994 | \$157 | \$0 | \$157 | \$157 | \$0 |
| 1995 | 145 | 0 | 145 | 145 | 0 |
| 1996 | 71 | 0 | 71 | 71 | 0 |
| 1997 | 91 | 0 | 91 | 91 | 0 |
| 1998 | 65 | 0 | 65 | 65 | 0 |
| 1999 | 235 | 0 | 235 | 235 | 0 |
| 2000 | 179 | 0 | 179 | 179 | 0 |
| 2001 | 388 | 0 | 388 | 388 | 0 |
| 2002 | 232 | 0 | 232 | 232 | 0 |
| 2003 | 220 | 0 | 220 | 220 | 0 |
| 2004 | 338 | 0 | 338 | 338 | 0 |
| 2005 | 169 | 0 | 169 | 169 | 0 |
| 2006 | 334 | 0 | 334 | 334 | 0 |
| 2007 | 215 | 0 | 215 | 215 | 0 |
| 2008 | 152 | 0 | 152 | 152 | 0 |
| 2009 | 170 | 1 | 171 | 245 | 75 |
| 2010 | 213 | 0 | 213 | 213 | 0 |
| 2011 | 457 | 0 | 457 | 457 | 0 |
| 2012 | 322 | 0 | 322 | 322 | 0 |
| 2013 | 215 | 30 | 245 | 256 | 41 |
| 2014 | 352 | 44 | 397 | 412 | 60 |
| 2015 | 216 | 50 | 266 | 284 | 69 |
| 2016 | 386 | 33 | 420 | 444 | 57 |
| 2017 | 250 | 107 | 357 | 468 | 218 |
| 2018 | 83 | 139 | 222 | 421 | 338 |
| TOTAL | \$5,656 | \$404 | \$6,060 | \$6,513 | \$857 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VII, Page 1, Column (7) , based on case reserves.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
GENERAL LIABILITY
Jacksonville Electric Authority-Water and Sewer
(\$AMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED ULTIMATE | RETENTION | PAYROLL | LOSS |
|---------------------|----------------------|-----------|---------|--------|
| | LOSSES | LIMIT | | RATE |
| | (1) | (2) | (3) | (4) |
| 1994 | \$157 | \$1,000 | N/A | N/A |
| 1995 | 145 | 1,000 | N/A | N/A |
| 1996 | 71 | 1,000 | 22,225 | 0.0032 |
| 1997 | 91 | 1,000 | 22,892 | 0.0040 |
| 1998 | 65 | 1,000 | 23,579 | 0.0028 |
| 1999 | 235 | 1,000 | 25,266 | 0.0093 |
| 2000 | 179 | 1,000 | 22,786 | 0.0078 |
| 2001 | 388 | 1,000 | 21,663 | 0.0179 |
| 2002 | 232 | 1,000 | 23,137 | 0.0100 |
| 2003 | 220 | 1,200 | 23,933 | 0.0092 |
| 2004 | 338 | 5,000 | 26,115 | 0.0129 |
| 2005 | 169 | 5,000 | 27,733 | 0.0061 |
| 2006 | 334 | 5,000 | 31,025 | 0.0108 |
| 2007 | 215 | 5,000 | 32,868 | 0.0066 |
| 2008 | 152 | 5,000 | 36,266 | 0.0042 |
| 2009 | 245 | 5,000 | 33,116 | 0.0074 |
| 2010 | 213 | 5,000 | 32,703 | 0.0065 |
| 2011 | 457 | 5,000 | 26,096 | 0.0175 |
| 2012 | 322 | various** | 28,608 | 0.0113 |
| 2013 | 256 | various** | 28,608 | 0.0089 |
| 2014 | 412 | 1,500 | 34,218 | 0.0120 |
| 2015 | 284 | 1,500 | 30,345 | 0.0094 |
| 2016 | 444 | 1,500 | 31,884 | 0.0139 |
| 2017 | 468 | 1,500 | 31,826 | 0.0147 |
| 10/1/2017-3/31/2018 | 421 | 1,500 | 15,913 | 0.0264 |
| 4/1/2018-9/30/2018 | \$292 | 1,500 | 15,913 | 0.0183 |
| (PROJ.) 2019/2020 | 608 | 1,500 | 32,463 | 0.0187 |

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEARS* | 55% | 70% | 75% | 80% | 85% | 90% |
|--------------------|-------|-------|-------|-------|-------|-------|
| | LEVEL | LEVEL | LEVEL | LEVEL | LEVEL | LEVEL |
| | (5) | (6) | (7) | (8) | (9) | (10) |
| 4/1/2018-9/30/2018 | \$292 | \$339 | \$354 | \$374 | \$396 | \$428 |
| 2019/2020 | \$608 | \$706 | \$738 | \$778 | \$825 | \$891 |

Notes:

- (1) - Exhibit VII-E, Page 1, Column (4). For the projection years (1) = (3) x (4).
- (2) & (3) - Per CITY OF JACKSONVILLE.
- (4) = (1) / (3). For the projected year, it is the trended based on the prior years.
- (5) = Projected losses in Column (1).
- (6) to (10) - Based on Monte Carlo Simulation Approach.

**retention limits for AYs 2012 to 2013

GL-Group A - 2,500,000

GL-Group B- 5,000,000

GL Fungi/Bacteria - 5,000,000

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
GENERAL LIABILITY
Jacksonville Electric Authority-Water and Sewer
(\$AMTS IN THOUSANDS)

| | |
|--|---------------|
| 1. Estimated net undiscounted reserves at 9/30/2017. | \$648 |
| 2. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 9/30/2017 and prior. | (\$30) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018. | (\$99) |
| 4. Estimated ultimate losses for the period 10/1/2017 - 3/31/2018. | \$421 |
| 5. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 10/1/2017 - 3/31/2018. | (\$83) |
| 6. Estimated net undiscounted reserves at 3/31/2018. | \$857 |

Notes:

- (1) - Per Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VII-E, Page 3C of 3, Column (3).
- (3) - Total from Exhibit VII-E, Page 3B of 3, Column (3).
- (4) - See Exhibit VII-E, Page 1 of 3, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
GENERAL LIABILITY
Jacksonville Electric Authority-Water and Sewer
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | 145 | 145 | 0 |
| 1996 | 71 | 71 | 0 |
| 1997 | 91 | 91 | 0 |
| 1998 | 65 | 65 | 0 |
| 1999 | 235 | 235 | 0 |
| 2000 | 179 | 179 | 0 |
| 2001 | 388 | 388 | 0 |
| 2002 | 232 | 232 | 0 |
| 2003 | 220 | 220 | 0 |
| 2004 | 338 | 338 | 0 |
| 2005 | 169 | 169 | 0 |
| 2006 | 334 | 334 | 0 |
| 2007 | 215 | 215 | 0 |
| 2008 | 152 | 152 | 0 |
| 2009 | 170 | 245 | 75 |
| 2010 | 213 | 213 | 0 |
| 2011 | 457 | 457 | 0 |
| 2012 | 322 | 322 | 0 |
| 2013 | 254 | 256 | 2 |
| 2014 | 403 | 412 | 9 |
| 2015 | 301 | 284 | (16) |
| 2016 | 510 | 444 | (66) |
| 2017 | 569 | 468 | (102) |
| TOTAL | \$6,035 | \$5,935 | (99) |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VII-E, Page 1, Column (4).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 AS OF MARCH 31, 2018
 COMPARISON OF PAID LOSSES
 AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
 GENERAL LIABILITY
 Jacksonville Electric Authority-Water and Sewer
 (\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|----------------|----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | 145 | 145 | 0 |
| 1996 | 71 | 71 | 0 |
| 1997 | 91 | 91 | 0 |
| 1998 | 65 | 65 | 0 |
| 1999 | 235 | 235 | 0 |
| 2000 | 179 | 179 | 0 |
| 2001 | 388 | 388 | 0 |
| 2002 | 232 | 232 | 0 |
| 2003 | 220 | 220 | 0 |
| 2004 | 338 | 338 | 0 |
| 2005 | 169 | 169 | 0 |
| 2006 | 334 | 334 | 0 |
| 2007 | 215 | 215 | 0 |
| 2008 | 152 | 152 | 0 |
| 2009 | 170 | 170 | 0 |
| 2010 | 213 | 213 | 0 |
| 2011 | 457 | 457 | 0 |
| 2012 | 322 | 322 | 0 |
| 2013 | 214 | 215 | 1 |
| 2014 | 352 | 352 | 1 |
| 2015 | 215 | 216 | 1 |
| 2016 | 379 | 386 | 7 |
| 2017 | 229 | 250 | 20 |
| TOTAL | \$5,387 | \$5,417 | 30 |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VII-E, Page 1, Column (1).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF TOTAL RESERVES
GENERAL LIABILITY
Jacksonville Housing Authority
(\$AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @3/31/2018 | CASE RESERVES @3/31/2018 | INCURRED LOSSES @3/31/2018 | SELECTED ULTIMATE LOSSES | LOSS RESERVES @3/31/2018 |
|--------------------|------------------------------|--------------------------------|----------------------------------|--------------------------------|--------------------------------|
| | (1) | (2) | (3) | (4) | (5) |
| 1994 | \$13 | \$0 | \$13 | \$13 | \$0 |
| 1995 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 26 | 0 | 26 | 26 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 3 | 0 | 3 | 3 | 0 |
| 2002 | 51 | 0 | 51 | 51 | 0 |
| 2003 | 19 | 0 | 19 | 19 | 0 |
| 2004 | 14 | 0 | 14 | 14 | 0 |
| 2005 | 0 | 0 | 0 | 0 | 0 |
| 2006 | 2 | 0 | 2 | 2 | 0 |
| 2007 | 15 | 0 | 15 | 15 | 0 |
| 2008 | 63 | 0 | 63 | 63 | 0 |
| 2009 | 113 | 0 | 113 | 113 | 0 |
| 2010 | 87 | 0 | 87 | 87 | 0 |
| 2011 | 14 | 0 | 14 | 14 | 0 |
| 2012 | 16 | 0 | 16 | 16 | 0 |
| 2013 | 102 | 0 | 102 | 102 | 0 |
| 2014 | 18 | 0 | 18 | 18 | 0 |
| 2015 | 16 | 48 | 64 | 82 | 66 |
| 2016 | 4 | 73 | 76 | 129 | 125 |
| 2017 | 24 | 93 | 118 | 215 | 190 |
| 2018 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | \$600 | \$214 | \$814 | \$981 | \$381 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VII, Page 1, Column (7) , based on case reserves.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
GENERAL LIABILITY
Jacksonville Housing Authority
(\$AMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED ULTIMATE LOSSES | RETENTION LIMIT | PAYROLL | LOSS RATE |
|---------------------|--------------------------|-----------------|---------|-----------|
| | (1) | (2) | (3) | (4) |
| 1994 | \$13 | \$1,000 | N/A | N/A |
| 1995 | 0 | 1,000 | N/A | N/A |
| 1996 | 0 | 1,000 | 3,624 | 0.0000 |
| 1997 | 0 | 1,000 | 5,611 | 0.0000 |
| 1998 | 0 | 1,000 | 6,343 | 0.0000 |
| 1999 | 26 | 1,000 | 6,751 | 0.0038 |
| 2000 | 0 | 1,000 | 7,034 | 0.0000 |
| 2001 | 3 | 1,000 | 7,237 | 0.0004 |
| 2002 | 51 | 1,000 | 7,572 | 0.0067 |
| 2003 | 19 | 1,200 | 7,835 | 0.0025 |
| 2004 | 14 | 5,000 | 8,107 | 0.0017 |
| 2005 | 0 | 5,000 | 8,247 | 0.0000 |
| 2006 | 2 | 5,000 | 8,302 | 0.0003 |
| 2007 | 15 | 5,000 | 8,252 | 0.0019 |
| 2008 | 63 | 5,000 | 7,731 | 0.0081 |
| 2009 | 113 | 5,000 | 8,487 | 0.0133 |
| 2010 | 87 | 5,000 | 8,251 | 0.0106 |
| 2011 | 14 | 5,000 | 8,137 | 0.0017 |
| 2012 | 16 | various** | 8,312 | 0.0019 |
| 2013 | 102 | various** | 8,250 | 0.0124 |
| 2014 | 18 | 1,500 | 7,705 | 0.0024 |
| 2015 | 82 | 1,500 | 7,386 | 0.0111 |
| 2016 | 129 | 1,500 | 7,202 | 0.0179 |
| 2017 | 215 | 1,500 | 6,809 | 0.0316 |
| 10/1/2017-3/31/2018 | 0 | 1,500 | 3,404 | 0.0000 |
| 4/1/2017-9/30/2017 | \$56 | 1,500 | 3,404 | 0.0165 |
| (PROJ.) 2018/2019 | 117 | 1,500 | 6,945 | 0.0168 |

SECTION 3 - DISCOUNTED FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEARS* | 55% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (9) | (10) |
| 4/1/2017-9/30/2017 | \$56 | \$65 | \$68 | \$72 | \$76 | \$82 |
| 2018/2019 | \$117 | \$136 | \$142 | \$150 | \$159 | \$172 |

Notes:

(1) - Exhibit VII-F, Page 1, Column (4). For the projection years (1) = (3) x (4).

(2) & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) / (3). For the projected year, it is the trended based on the prior years.

(5) = Projected losses in Column (1).

(6) to (10) - Based on Monte Carlo Simulation Approach.

**retention limits for AYs 2012 to 2013

GL-Group A - 2,500,000

GL-Group B - 5,000,000

GL Fungi/Bacteria - 5,000,000

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
GENERAL LIABILITY
Jacksonville Housing Authority
(\$AMTS IN THOUSANDS)

| | |
|--|---------------|
| 1. Estimated net undiscounted reserves at 9/30/2017. | \$280 |
| 2. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 9/30/2017 and prior. | (\$25) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018. | \$127 |
| 4. Estimated ultimate losses for the period 10/1/2017 - 3/31/2018. | \$0 |
| 5. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 10/1/2017 - 3/31/2018. | \$0 |
| 6. Estimated net undiscounted reserves at 3/31/2018. | \$381 |

Notes:

- (1) - Per Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VII-F, Page 3C, Column (3).
- (3) - Total from Exhibit VII-F, Page 3B, Column (3).
- (4) - See Exhibit VII-F, Page 1 of 3, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 AS OF MARCH 31, 2018
 COMPARISON OF ESTIMATED ULTIMATE LOSSES
 AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
 GENERAL LIABILITY
 Jacksonville Housing Authority
 (\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|--------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 |
| 1999 | 26 | 26 | 0 |
| 2000 | 0 | 0 | 0 |
| 2001 | 3 | 3 | 0 |
| 2002 | 51 | 51 | 0 |
| 2003 | 19 | 19 | 0 |
| 2004 | 14 | 14 | 0 |
| 2005 | 0 | 0 | 0 |
| 2006 | 2 | 2 | 0 |
| 2007 | 15 | 15 | 0 |
| 2008 | 63 | 63 | 0 |
| 2009 | 113 | 113 | 0 |
| 2010 | 87 | 87 | 0 |
| 2011 | 14 | 14 | 0 |
| 2012 | 16 | 16 | 0 |
| 2013 | 102 | 102 | 0 |
| 2014 | 18 | 18 | 0 |
| 2015 | 95 | 82 | (13) |
| 2016 | 93 | 129 | 36 |
| 2017 | 111 | 215 | 104 |
| TOTAL | \$842 | \$969 | 127 |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VII-F, Page 1 of 3, Column (4).

(3) = (2) - (1).

*Accident years prior to 2015 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
GENERAL LIABILITY
Jacksonville Housing Authority
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|--------------|--------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 |
| 1999 | 26 | 26 | 0 |
| 2000 | 0 | 0 | 0 |
| 2001 | 3 | 3 | 0 |
| 2002 | 51 | 51 | 0 |
| 2003 | 19 | 19 | 0 |
| 2004 | 14 | 14 | 0 |
| 2005 | 0 | 0 | 0 |
| 2006 | 2 | 2 | 0 |
| 2007 | 15 | 15 | 0 |
| 2008 | 63 | 63 | 0 |
| 2009 | 113 | 113 | 0 |
| 2010 | 87 | 87 | 0 |
| 2011 | 14 | 14 | 0 |
| 2012 | 16 | 16 | 0 |
| 2013 | 102 | 102 | 0 |
| 2014 | 18 | 18 | 0 |
| 2015 | 16 | 16 | 0 |
| 2016 | 3 | 4 | 1 |
| 2017 | 0 | 24 | 24 |
| TOTAL | \$562 | \$588 | 25 |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VII-F, Page 1 of 3, Column (1).

(3) = (2) - (1).

*Accident years prior to 2015 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 AS OF MARCH 31, 2018
 CALCULATION OF TOTAL RESERVES
 GENERAL LIABILITY
 Jacksonville Port Authority
 (\$AMTS IN THOUSANDS)
 LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @3/31/2018 | CASE RESERVES @3/31/2018 | INCURRED LOSSES @3/31/2018 | SELECTED ULTIMATE LOSSES | LOSS RESERVES @3/31/2018 |
|-----------------|------------------------|--------------------------|----------------------------|--------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) |
| 1994 | \$1 | \$0 | \$1 | \$1 | \$0 |
| 1995 | 179 | 0 | 179 | 179 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 |
| 1997 | 94 | 0 | 94 | 94 | 0 |
| 1998 | 48 | 0 | 48 | 48 | 0 |
| 1999 | 1 | 0 | 1 | 1 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 | 0 | 0 |
| 2002 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 1 | 0 | 1 | 1 | 0 |
| 2004 | 0 | 0 | 0 | 0 | 0 |
| 2005 | 13 | 0 | 13 | 13 | 0 |
| 2006 | 1 | 0 | 1 | 1 | 0 |
| 2007 | 1 | 0 | 1 | 1 | 0 |
| 2008 | 7 | 0 | 7 | 7 | 0 |
| 2009 | 7 | 0 | 7 | 7 | 0 |
| 2010 | 4 | 0 | 4 | 4 | 0 |
| 2011 | 0 | 0 | 0 | 0 | 0 |
| 2012 | 0 | 0 | 0 | 0 | 0 |
| 2013 | 0 | 0 | 0 | 0 | 0 |
| 2014 | 13 | 0 | 13 | 13 | 0 |
| 2015 | 2 | 0 | 2 | 2 | 0 |
| 2016 | 26 | 0 | 26 | 26 | 0 |
| 2017 | 0 | 3 | 3 | 5 | 5 |
| 2018 | 1 | 0 | 1 | 1 | 0 |
| TOTAL | \$398 | \$3 | \$401 | \$403 | \$5 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VII, Page 1, Column (7) , based on case reserves.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
GENERAL LIABILITY
Jacksonville Port Authority
(\$AMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED ULTIMATE LOSSES | RETENTION LIMIT | PAYROLL | LOSS RATE |
|---------------------------|--------------------------|-----------------|----------|-----------|
| | (1) | (2) | (3) | (4) |
| 1994 | \$1 | \$1,000 | \$10,197 | 0.0001 |
| 1995 | 179 | 1,000 | 10,461 | 0.0171 |
| 1996 | 0 | 1,000 | 5,160 | 0.0000 |
| 1997 | 94 | 1,000 | 5,301 | 0.0178 |
| 1998 | 48 | 1,000 | 5,798 | 0.0082 |
| 1999 | 1 | 1,000 | 6,024 | 0.0002 |
| 2000 | 0 | 1,000 | 6,673 | 0.0000 |
| 2001 | 0 | 1,000 | 6,872 | 0.0000 |
| 2002 | 0 | 1,000 | 5,593 | 0.0001 |
| 2003 | 1 | 1,200 | 6,593 | 0.0002 |
| 2004 | 0 | 5,000 | 7,945 | 0.0000 |
| 2005 | 13 | 5,000 | 8,224 | 0.0016 |
| 2006 | 1 | 5,000 | 7,795 | 0.0002 |
| 2007 | 1 | 5,000 | 9,969 | 0.0001 |
| 2008 | 7 | 5,000 | 10,632 | 0.0006 |
| 2009 | 7 | 5,000 | 9,080 | 0.0007 |
| 2010 | 4 | 5,000 | 8,593 | 0.0005 |
| 2011 | 0 | 5,000 | 10,979 | 0.0000 |
| 2012 | 0 | various** | 10,411 | 0.0000 |
| 2013 | 0 | various** | 10,411 | 0.0000 |
| 2014 | 13 | 1,500 | 11,356 | 0.0011 |
| 2015 | 2 | 1,500 | 11,292 | 0.0002 |
| 2016 | 26 | 1,500 | 11,690 | 0.0022 |
| 2017 | 5 | 1,500 | 12,089 | 0.0004 |
| 10/1/2017-3/31/2018 | 1 | 1,500 | 6,045 | 0.0001 |
| <hr/> | | | | |
| <i>4/1/2018-9/30/2018</i> | \$6 | 1,500 | 6,045 | 0.0009 |
| <i>(PROJ.) 2018/2019</i> | 12 | 1,500 | 12,331 | 0.0009 |

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEARS* | 55% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (9) | (10) |
| 4/1/2018-9/30/2018 | \$6 | \$7 | \$7 | \$8 | \$8 | \$9 |
| 2018/2019 | \$12 | \$14 | \$15 | \$15 | \$16 | \$18 |

Notes:

(1) - Exhibit VII-G, Page 1, Column (4). For the projection years (1) = (3) x (4).

(2) & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) / (3). For the projected years, it is the average of prior years.

(5) = Projected losses in Column (1).

(6) to (10) - Based on Monte Carlo Simulation Approach.

**retention limits for AYs 2012 to 2013

GL-Group A - 2,500,000

GL-Group B - 5,000,000

GL Fungi/Bacteria - 5,000,000

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
GENERAL LIABILITY
Jacksonville Port Authority
(\$AMTS IN THOUSANDS)

| | |
|--|--------------|
| 1. Estimated net undiscounted reserves at 9/30/2017. | \$6 |
| 2. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 9/30/2017 and prior. | \$0 |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018. | (\$1) |
| 4. Estimated ultimate losses for the period 10/1/2017 - 3/31/2018. | \$1 |
| 5. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 10/1/2017 - 3/31/2018. | (\$1) |
| 6. Estimated net undiscounted reserves at 3/31/2018. | \$5 |

Notes:

- (1) - Per Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VII-G, Page 3C, Column (3).
- (3) - Total from Exhibit VII-G, Page 3B, Column (3).
- (4) - See Exhibit VII-G, Page 1 of 3, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
GENERAL LIABILITY
Jacksonville Port Authority
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|--------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | 179 | 179 | 0 |
| 1996 | 0 | 0 | 0 |
| 1997 | 94 | 94 | 0 |
| 1998 | 48 | 48 | 0 |
| 1999 | 1 | 1 | 0 |
| 2000 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 |
| 2002 | 0 | 0 | 0 |
| 2003 | 1 | 1 | 0 |
| 2004 | 0 | 0 | 0 |
| 2005 | 13 | 13 | 0 |
| 2006 | 1 | 1 | 0 |
| 2007 | 1 | 1 | 0 |
| 2008 | 7 | 7 | 0 |
| 2009 | 7 | 7 | 0 |
| 2010 | 4 | 4 | 0 |
| 2011 | 0 | 0 | 0 |
| 2012 | 0 | 0 | 0 |
| 2013 | 0 | 0 | 0 |
| 2014 | 13 | 13 | 0 |
| 2015 | 2 | 2 | 0 |
| 2016 | 26 | 26 | 0 |
| 2017 | 6 | 5 | (1) |
| TOTAL | \$403 | \$402 | (1) |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VII-G, Page 1 of 3, Column (4).

(3) = (2) - (1).

*Accident years prior to 2015 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 AS OF MARCH 31, 2018
 COMPARISON OF PAID LOSSES
 AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
 GENERAL LIABILITY
 Jacksonville Port Authority
 (\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|--------------|--------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | 179 | 179 | 0 |
| 1996 | 0 | 0 | 0 |
| 1997 | 94 | 94 | 0 |
| 1998 | 48 | 48 | 0 |
| 1999 | 1 | 1 | 0 |
| 2000 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 |
| 2002 | 0 | 0 | 0 |
| 2003 | 1 | 1 | 0 |
| 2004 | 0 | 0 | 0 |
| 2005 | 13 | 13 | 0 |
| 2006 | 1 | 1 | 0 |
| 2007 | 1 | 1 | 0 |
| 2008 | 7 | 7 | 0 |
| 2009 | 7 | 7 | 0 |
| 2010 | 4 | 4 | 0 |
| 2011 | 0 | 0 | 0 |
| 2012 | 0 | 0 | 0 |
| 2013 | 0 | 0 | 0 |
| 2014 | 13 | 13 | 0 |
| 2015 | 2 | 2 | 0 |
| 2016 | 26 | 26 | 0 |
| 2017 | 0 | 0 | 0 |
| TOTAL | \$397 | \$397 | 0 |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VII-G, Page 1 of 3, Column (1).

(3) = (2) - (1).

*Accident years prior to 2015 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 AS OF MARCH 31, 2018
 CALCULATION OF TOTAL RESERVES
 GENERAL LIABILITY
 Jacksonville Aviation Authority
 (\$AMTS IN THOUSANDS)
 LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @3/31/2018 | CASE RESERVES @3/31/2018 | INCURRED LOSSES @3/31/2018 | SELECTED ULTIMATE LOSSES | LOSS RESERVES @3/31/2018 |
|-----------------|------------------------|--------------------------|----------------------------|--------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) |
| 1994 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 1995 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 1 | 0 | 1 | 1 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 | 0 | 0 |
| 2002 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 0 | 0 | 0 | 0 | 0 |
| 2004 | 0 | 0 | 0 | 0 | 0 |
| 2005 | 0 | 0 | 0 | 0 | 0 |
| 2006 | 0 | 0 | 0 | 0 | 0 |
| 2007 | 0 | 0 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 | 0 | 0 |
| 2009 | 1 | 0 | 1 | 1 | 0 |
| 2010 | 0 | 0 | 0 | 0 | 0 |
| 2011 | 0 | 0 | 0 | 0 | 0 |
| 2012 | 0 | 0 | 0 | 0 | 0 |
| 2013 | 0 | 0 | 0 | 0 | 0 |
| 2014 | 0 | 0 | 0 | 0 | 0 |
| 2015 | 0 | 0 | 0 | 0 | 0 |
| 2016 | 0 | 0 | 0 | 0 | 0 |
| 2017 | 0 | 0 | 0 | 0 | 0 |
| 2018 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | \$1 | \$0 | \$1 | \$1 | \$0 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VII, Page 1, Column (7) , based on case reserves.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
GENERAL LIABILITY
Jacksonville Aviation Authority
(\$AMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED | | | LOSS RATE |
|---------------------|--------------------|--------------------|---------|--------------|
| | ULTIMATE LOSSES | RETENTION LIMIT | PAYROLL | |
| | (1) | (2) | (3) | (4) |
| 1994 | \$0 | \$1,000 | N/A | N/A |
| 1995 | 0 | 1,000 | N/A | N/A |
| 1996 | 0 | 1,000 | 6,297 | 0.0000 |
| 1997 | 0 | 1,000 | 6,469 | 0.0000 |
| 1998 | 0 | 1,000 | 7,075 | 0.0000 |
| 1999 | 1 | 1,000 | 7,350 | 0.0001 |
| 2000 | 0 | 1,000 | 8,143 | 0.0000 |
| 2001 | 0 | 1,000 | 8,386 | 0.0000 |
| 2002 | 0 | 1,000 | 6,824 | 0.0000 |
| 2003 | 0 | 1,200 | 11,847 | 0.0000 |
| 2004 | 0 | 5,000 | 10,748 | 0.0000 |
| 2005 | 0 | 5,000 | 12,738 | 0.0000 |
| 2006 | 0 | 5,000 | 13,468 | 0.0000 |
| 2007 | 0 | 5,000 | 12,844 | 0.0000 |
| 2008 | 0 | 5,000 | 12,099 | 0.0000 |
| 2009 | 1 | 5,000 | 12,724 | 0.0001 |
| 2010 | 0 | 5,000 | 11,703 | 0.0000 |
| 2011 | 0 | 5,000 | 13,134 | 0.0000 |
| 2012 | 0 | various** | 13,387 | 0.0000 |
| 2013 | 0 | various** | 13,387 | 0.0000 |
| 2014 | 0 | 1,500 | 15,119 | 0.0000 |
| 2015 | 0 | 1,500 | 15,474 | 0.0000 |
| 2016 | 0 | 1,500 | 18,012 | 0.0000 |
| 2017 | 0 | 1,500 | 19,206 | 0.0000 |
| 10/1/2017-3/31/2018 | 0 | 1,500 | 9,603 | 0.0000 |
| 4/1/2018-9/30/2018 | \$0 | 1,500 | 9,603 | 0.0000 |
| (PROJ.) 2018/2019 | 0 | 1,500 | 19,590 | 0.0000 |

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEARS* | 55% | 70% | 75% | 80% | 85% | 90% |
|--------------------|-------|-------|-------|-------|-------|-------|
| | LEVEL | LEVEL | LEVEL | LEVEL | LEVEL | LEVEL |
| | (5) | (6) | (7) | (8) | (9) | (10) |
| 2018/2019 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 2019/2020 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |

Notes:

- (1) - Exhibit VII-H, Page 1, Column (4). For the projection years (1) = (3) x (4).
- (2) & (3) - Per CITY OF JACKSONVILLE.
- (4) = (1) / (3). For the projected year, it is the average of prior 5 years.
- (5) = Projected losses in Column (1).
- (6) to (10) - Based on Monte Carlo Simulation Approach.
- **retention limits for AYs 2012 to 2013
- GL-Group A - 2,500,000
- GL-Group B - 5,000,000
- GL Fungi/Bacteria - 5,000,000
- *Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
GENERAL LIABILITY
Jacksonville Aviation Authority
(\$AMTS IN THOUSANDS)

| | |
|--|------------|
| 1. Estimated net undiscounted reserves at 9/30/2017. | \$0 |
| 2. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 9/30/2017 and prior. | \$0 |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018. | \$0 |
| 4. Estimated ultimate losses for the period 10/1/2017 - 3/31/2018. | \$0 |
| 5. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 10/1/2017 - 3/31/2018. | \$0 |
| 6. Estimated net undiscounted reserves at 3/31/2018. | \$0 |

Notes:

- (1) - Per AMI Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VII-H, Page 3C, Column (3).
- (3) - Total from Exhibit VII-H, Page 3B, Column (3).
- (4) - See Exhibit VII-H, Page 1 of 3, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 AS OF MARCH 31, 2018
 COMPARISON OF ESTIMATED ULTIMATE LOSSES
 AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
GENERAL LIABILITY
 Jacksonville Aviation Authority
 (\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 |
| 1999 | 1 | 1 | 0 |
| 2000 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 |
| 2002 | 0 | 0 | 0 |
| 2003 | 0 | 0 | 0 |
| 2004 | 0 | 0 | 0 |
| 2005 | 0 | 0 | 0 |
| 2006 | 0 | 0 | 0 |
| 2007 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 |
| 2009 | 1 | 1 | 0 |
| 2010 | 0 | 0 | 0 |
| 2011 | 0 | 0 | 0 |
| 2012 | 0 | 0 | 0 |
| 2013 | 0 | 0 | 0 |
| 2014 | 0 | 0 | 0 |
| 2015 | 0 | 0 | 0 |
| 2016 | 0 | 0 | 0 |
| 2017 | 0 | 0 | 0 |
| TOTAL | \$1 | \$1 | 0 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VII-H, Page 1 of ,3 Column (4).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 AS OF MARCH 31, 2018
 COMPARISON OF PAID LOSSES
 AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
 GENERAL LIABILITY
 Jacksonville Aviation Authority
 (\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|-------------|------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 |
| 1999 | 1 | 1 | 0 |
| 2000 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 |
| 2002 | 0 | 0 | 0 |
| 2003 | 0 | 0 | 0 |
| 2004 | 0 | 0 | 0 |
| 2005 | 0 | 0 | 0 |
| 2006 | 0 | 0 | 0 |
| 2007 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 |
| 2009 | 1 | 1 | 0 |
| 2010 | 0 | 0 | 0 |
| 2011 | 0 | 0 | 0 |
| 2012 | 0 | 0 | 0 |
| 2013 | 0 | 0 | 0 |
| 2014 | 0 | 0 | 0 |
| 2015 | 0 | 0 | 0 |
| 2016 | 0 | 0 | 0 |
| 2017 | 0 | 0 | 0 |
| TOTAL | \$1 | \$1 | 0 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VII-H, Page 1 of 3, Column (1).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF TOTAL RESERVES
AUTOMOBILE LIABILITY
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

ALL APPROACHES COMBINED

| ACCIDENT YEAR* | ILDA ULTIMATE LOSSES | PLDA ULTIMATE LOSSES | BFILA ULTIMATE LOSSES | BFPLA ULTIMATE LOSSES | SELECTED ULTIMATE LOSSES | PAID LOSSES @ 3/31/2018 | LOSS RESERVES @ 3/31/2018 |
|----------------|----------------------|----------------------|-----------------------|-----------------------|--------------------------|-------------------------|---------------------------|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 1994 | \$1,028 | \$1,028 | \$1,028 | \$1,028 | \$1,028 | \$1,028 | \$0 |
| 1995 | 1,483 | 1,483 | 1,483 | 1,483 | 1,483 | 1,483 | 0 |
| 1996 | 1,074 | 1,074 | 1,074 | 1,074 | 1,074 | 1,074 | 0 |
| 1997 | 1,081 | 1,081 | 1,081 | 1,081 | 1,081 | 1,081 | 0 |
| 1998 | 856 | 856 | 856 | 856 | 856 | 856 | 0 |
| 1999 | 1,291 | 1,291 | 1,291 | 1,291 | 1,291 | 1,291 | 0 |
| 2000 | 1,105 | 1,105 | 1,105 | 1,105 | 1,105 | 1,105 | 0 |
| 2001 | 1,619 | 1,619 | 1,619 | 1,619 | 1,619 | 1,619 | 0 |
| 2002 | 1,457 | 1,457 | 1,457 | 1,457 | 1,457 | 1,457 | 0 |
| 2003 | 950 | 950 | 950 | 950 | 950 | 950 | 0 |
| 2004 | 1,393 | 1,393 | 1,393 | 1,393 | 1,393 | 1,393 | 0 |
| 2005 | 2,361 | 2,361 | 2,361 | 2,361 | 2,361 | 2,361 | 0 |
| 2006 | 1,481 | 1,481 | 1,481 | 1,481 | 1,481 | 1,481 | 0 |
| 2007 | 1,038 | 1,038 | 1,038 | 1,038 | 1,038 | 1,038 | 0 |
| 2008 | 1,627 | 1,627 | 1,627 | 1,627 | 1,627 | 1,613 | 15 |
| 2009 | 2,022 | 2,022 | 2,022 | 2,022 | 2,022 | 2,022 | 0 |
| 2010 | 1,332 | 1,332 | 1,332 | 1,332 | 1,332 | 1,313 | 18 |
| 2011 | 1,637 | 1,637 | 1,637 | 1,637 | 1,637 | 1,619 | 18 |
| 2012 | 1,687 | 1,688 | 1,687 | 1,688 | 1,687 | 1,679 | 8 |
| 2013 | 1,558 | 1,558 | 1,558 | 1,558 | 1,558 | 1,477 | 80 |
| 2014 | 2,790 | 2,732 | 2,772 | 2,732 | 2,757 | 2,492 | 265 |
| 2015 | 1,956 | 2,008 | 1,955 | 1,997 | 1,979 | 1,641 | 338 |
| 2016 | 1,718 | 1,884 | 1,778 | 1,974 | 1,839 | 1,146 | 692 |
| 2017 | 2,543 | 2,008 | 2,427 | 2,113 | 2,273 | 636 | 1,637 |
| 2018 | 1,099 | 1,061 | 1,285 | 1,201 | 1,162 | 197 | 964 |
| TOTAL | \$38,187 | \$37,776 | \$38,299 | \$38,100 | \$38,091 | \$34,055 | \$4,036 |

Notes:

(1), (2), (3) & (4) - Ultimate incurred losses calculated from Exhibit VIII, Pages 2 and 3.

(5) = Selected based on (1), (2), (3) & (4).

(6) - Per CITY OF JACKSONVILLE.

(7) = (5) - (6).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE LOSSES - LOSS DEVELOPMENT APPROACH
AUTOMOBILE LIABILITY
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

INCURRED LOSS DEVELOPMENT APPROACH

| ACCIDENT YEAR* | INCURRED LOSSES @ 3/31/2018 | LOSS DEVELOPMENT FACTORS | ULTIMATE INCURRED LOSSES | VEHICLE COUNT | ESTIMATED LOSS RATE |
|----------------|-----------------------------|--------------------------|--------------------------|---------------|---------------------|
| | (1) | (2) | (3) | (4) | (5) |
| 1994 | \$1,028 | 1.000 | \$1,028 | 4,832 | |
| 1995 | 1,483 | 1.000 | 1,483 | 4,457 | |
| 1996 | 1,074 | 1.000 | 1,074 | 3,605 | |
| 1997 | 1,081 | 1.000 | 1,081 | 3,521 | |
| 1998 | 856 | 1.000 | 856 | 4,367 | |
| 1999 | 1,291 | 1.000 | 1,291 | 4,522 | |
| 2000 | 1,105 | 1.000 | 1,105 | 4,783 | |
| 2001 | 1,619 | 1.000 | 1,619 | 4,651 | |
| 2002 | 1,457 | 1.000 | 1,457 | 4,505 | |
| 2003 | 950 | 1.000 | 950 | 4,680 | |
| 2004 | 1,393 | 1.000 | 1,393 | 4,599 | 0.303 |
| 2005 | 2,361 | 1.000 | 2,361 | 4,821 | 0.490 |
| 2006 | 1,481 | 1.000 | 1,481 | 5,110 | 0.290 |
| 2007 | 1,038 | 1.000 | 1,038 | 5,187 | 0.200 |
| 2008 | 1,627 | 1.000 | 1,627 | 5,068 | 0.321 |
| 2009 | 2,022 | 1.000 | 2,022 | 5,086 | 0.397 |
| 2010 | 1,332 | 1.000 | 1,332 | 4,943 | 0.269 |
| 2011 | 1,637 | 1.000 | 1,637 | 4,960 | 0.330 |
| 2012 | 1,687 | 1.000 | 1,687 | 4,660 | 0.362 |
| 2013 | 1,558 | 1.000 | 1,558 | 4,792 | 0.325 |
| 2014 | 2,732 | 1.021 | 2,790 | 5,028 | 0.555 |
| 2015 | 1,813 | 1.079 | 1,956 | 4,928 | 0.397 |
| 2016 | 1,462 | 1.175 | 1,718 | 5,246 | 0.328 |
| 2017 | 1,769 | 1.437 | 2,543 | 5,264 | 0.483 |
| 2018 | 620 | | 1,099 | 2,632 | 0.417 |
| TOTAL | \$36,478 | | \$38,187 | | |

PAID LOSS DEVELOPMENT APPROACH

| ACCIDENT YEAR* | PAID LOSSES @ 3/31/2018 | LOSS DEVELOPMENT FACTORS | ULTIMATE INCURRED LOSSES | VEHICLE COUNT | ESTIMATED LOSS RATE |
|----------------|-------------------------|--------------------------|--------------------------|---------------|---------------------|
| | (6) | (7) | (8) | (9) | (10) |
| 1994 | \$1,028 | 1.000 | \$1,028 | \$4,832 | |
| 1995 | 1,483 | 1.000 | 1,483 | 4,457 | |
| 1996 | 1,074 | 1.000 | 1,074 | 3,605 | |
| 1997 | 1,081 | 1.000 | 1,081 | 3,521 | |
| 1998 | 856 | 1.000 | 856 | 4,367 | |
| 1999 | 1,291 | 1.000 | 1,291 | 4,522 | |
| 2000 | 1,105 | 1.000 | 1,105 | 4,783 | |
| 2001 | 1,619 | 1.000 | 1,619 | 4,651 | |
| 2002 | 1,457 | 1.000 | 1,457 | 4,505 | |
| 2003 | 950 | 1.000 | 950 | 4,680 | |
| 2004 | 1,393 | 1.000 | 1,393 | 4,599 | 0.303 |
| 2005 | 2,361 | 1.000 | 2,361 | 4,821 | 0.490 |
| 2006 | 1,481 | 1.000 | 1,481 | 5,110 | 0.290 |
| 2007 | 1,038 | 1.000 | 1,038 | 5,187 | 0.200 |
| 2008 | 1,613 | 1.000 | 1,627 | 5,068 | 0.321 |
| 2009 | 2,022 | 1.000 | 2,022 | 5,086 | 0.397 |
| 2010 | 1,313 | 1.000 | 1,332 | 4,943 | 0.269 |
| 2011 | 1,619 | 1.001 | 1,637 | 4,960 | 0.330 |
| 2012 | 1,679 | 1.005 | 1,688 | 4,660 | 0.362 |
| 2013 | 1,477 | 1.024 | 1,558 | 4,792 | 0.325 |
| 2014 | 2,492 | 1.076 | 2,732 | 5,028 | 0.543 |
| 2015 | 1,641 | 1.223 | 2,008 | 4,928 | 0.407 |
| 2016 | 1,146 | 1.644 | 1,884 | 5,246 | 0.359 |
| 2017 | 636 | 3.159 | 2,008 | 5,264 | 0.381 |
| 2018 | 197 | | 1,061 | 2,632 | 0.403 |
| TOTAL | \$34,055 | | \$37,776 | | |

Notes:

(1), (4), (6) & (9) - Per CITY OF JACKSONVILLE.

(2) & (7) - Per City's historical loss patterns.

(3) = (1) x (2); (8) = (6) x (7). If ultimate incurred losses in (8) are less than the incurred losses in (1), we used the losses in (1).

For the most recent year, we used the Loss Rate Approach.

(5) = (3) / (4), (10) = (8) / (9). For the most recent year, it is the average of prior years.

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE LOSSES - BORNHUETTER-FERGUSON APPROACH
AUTOMOBILE LIABILITY
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

BORNHUETTER-FERGUSON INCURRED LOSS APPROACH

| ACCIDENT YEAR* | ESTIMATED LOSS RATE | VEHICLE COUNT | EXPECTED ULTIMATE LOSSES | EXPECTED % OF LOSSES UNREPORTED | IBNR RESERVES | INCURRED LOSSES @ 3/31/2018 | ULTIMATE INCURRED LOSSES |
|----------------|---------------------|---------------|--------------------------|---------------------------------|----------------|-----------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 1994 | 0.274 | \$4,832 | | 0.0% | \$0 | \$1,028 | \$1,028 |
| 1995 | 0.274 | 4,457 | | 0.0% | 0 | 1,483 | 1,483 |
| 1996 | 0.274 | 3,605 | | 0.0% | 0 | 1,074 | 1,074 |
| 1997 | 0.274 | 3,521 | | 0.0% | 0 | 1,081 | 1,081 |
| 1998 | 0.274 | 4,367 | | 0.0% | 0 | 856 | 856 |
| 1999 | 0.274 | 4,522 | | 0.0% | 0 | 1,291 | 1,291 |
| 2000 | 0.274 | 4,783 | | 0.0% | 0 | 1,105 | 1,105 |
| 2001 | 0.281 | 4,651 | | 0.0% | 0 | 1,619 | 1,619 |
| 2002 | 0.288 | 4,505 | | 0.0% | 0 | 1,457 | 1,457 |
| 2003 | 0.296 | 4,680 | | 0.0% | 0 | 950 | 950 |
| 2004 | 0.303 | 4,599 | 1,394 | 0.0% | 0 | 1,393 | 1,393 |
| 2005 | 0.310 | 4,821 | 1,496 | 0.0% | 0 | 2,361 | 2,361 |
| 2006 | 0.318 | 5,110 | 1,623 | 0.0% | 0 | 1,481 | 1,481 |
| 2007 | 0.325 | 5,187 | 1,686 | 0.0% | 0 | 1,038 | 1,038 |
| 2008 | 0.332 | 5,068 | 1,684 | 0.0% | 0 | 1,627 | 1,627 |
| 2009 | 0.340 | 5,086 | 1,727 | 0.0% | 0 | 2,022 | 2,022 |
| 2010 | 0.347 | 4,943 | 1,715 | 0.0% | 0 | 1,332 | 1,332 |
| 2011 | 0.354 | 4,960 | 1,757 | 0.0% | 0 | 1,637 | 1,637 |
| 2012 | 0.373 | 4,660 | 1,738 | 0.0% | 0 | 1,687 | 1,687 |
| 2013 | 0.380 | 4,792 | 1,823 | 0.0% | 0 | 1,558 | 1,558 |
| 2014 | 0.388 | 5,028 | 1,951 | 2.1% | 40 | 2,732 | 2,772 |
| 2015 | 0.396 | 4,928 | 1,949 | 7.3% | 143 | 1,813 | 1,955 |
| 2016 | 0.403 | 5,246 | 2,114 | 14.9% | 316 | 1,462 | 1,778 |
| 2017 | 0.411 | 5,264 | 2,161 | 30.4% | 657 | 1,769 | 2,427 |
| 2018 | 0.418 | 2,632 | 1,100 | 60.4% | 665 | 620 | 1,285 |
| TOTAL | | | | | \$1,821 | \$36,478 | \$38,299 |

BORNHUETTER-FERGUSON PAID LOSS APPROACH

| ACCIDENT YEAR* | ESTIMATED LOSS RATE | VEHICLE COUNT | EXPECTED ULTIMATE LOSSES | EXPECTED % OF LOSSES UNPAID | LOSS RESERVES | PAID LOSSES @ 3/31/2018 | ULTIMATE INCURRED LOSSES |
|----------------|---------------------|---------------|--------------------------|-----------------------------|----------------|-------------------------|--------------------------|
| | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| 1994 | 0.274 | 4,832 | | 0.0% | 0 | \$1,028 | \$1,028 |
| 1995 | 0.274 | 4,457 | | 0.0% | 0 | 1,483 | 1,483 |
| 1996 | 0.274 | 3,605 | | 0.0% | 0 | 1,074 | 1,074 |
| 1997 | 0.274 | 3,521 | | 0.0% | 0 | 1,081 | 1,081 |
| 1998 | 0.274 | 4,367 | | 0.0% | 0 | 856 | 856 |
| 1999 | 0.274 | 4,522 | | 0.0% | 0 | 1,291 | 1,291 |
| 2000 | 0.274 | 4,783 | | 0.0% | 0 | 1,105 | 1,105 |
| 2001 | 0.281 | 4,651 | | 0.0% | 0 | 1,619 | 1,619 |
| 2002 | 0.288 | 4,505 | | 0.0% | 0 | 1,457 | 1,457 |
| 2003 | 0.296 | 4,680 | | 0.0% | 0 | 950 | 950 |
| 2004 | 0.303 | 4,599 | 1,394 | 0.0% | 0 | 1,393 | 1,393 |
| 2005 | 0.310 | 4,821 | 1,496 | 0.0% | 0 | 2,361 | 2,361 |
| 2006 | 0.318 | 5,110 | 1,623 | 0.0% | 0 | 1,481 | 1,481 |
| 2007 | 0.325 | 5,187 | 1,686 | 0.0% | 0 | 1,038 | 1,038 |
| 2008 | 0.332 | 5,068 | 1,684 | 0.0% | 0 | 1,613 | 1,627 |
| 2009 | 0.340 | 5,086 | 1,727 | 0.0% | 0 | 2,022 | 2,022 |
| 2010 | 0.347 | 4,943 | 1,715 | 0.0% | 0 | 1,313 | 1,332 |
| 2011 | 0.354 | 4,960 | 1,757 | 0.1% | 2 | 1,619 | 1,637 |
| 2012 | 0.373 | 4,660 | 1,738 | 0.5% | 9 | 1,679 | 1,688 |
| 2013 | 0.380 | 4,792 | 1,823 | 2.3% | 43 | 1,477 | 1,558 |
| 2014 | 0.388 | 5,028 | 1,951 | 7.1% | 138 | 2,492 | 2,732 |
| 2015 | 0.396 | 4,928 | 1,949 | 18.3% | 356 | 1,641 | 1,997 |
| 2016 | 0.403 | 5,246 | 2,114 | 39.2% | 828 | 1,146 | 1,974 |
| 2017 | 0.411 | 5,264 | 2,161 | 68.3% | 1,477 | 636 | 2,113 |
| 2018 | 0.418 | 2,632 | 1,100 | 91.2% | 1,004 | 197 | 1,201 |
| TOTAL | | | | | \$3,856 | \$34,055 | \$38,100 |

Notes:

- (2), (6), (9) & (13) - Per CITY OF JACKSONVILLE.
- (1) & (8) - Exhibit VIII, Page 2, Columns (5) and (10). These Loss Rates are the selected based on Exhibit VIII Page 2 loss rates.
- (3) = (1) x (2); (10) = (8) x (9).
- (4) = (1 - (1/ILDF)); (11) = (1 - (1/PLDF)).
- (5) = (3) x (4); (12) = (10) x (11).
- (7) = (5) + (6); (14) = (12) + (13). If ultimate incurred losses in (14) are less than the incurred losses in (6), we used the incurred losses in (6).
- *Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
SELECTION OF INITIAL LOSS RATE FOR BORNHUEFTER-FERGUSON APPROACHES
AUTOMOBILE LIABILITY
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT PERIODS | ULTIMATE LOSSES PER ILDA | ULTIMATE LOSSES PER PLDA | TORT LIMIT | ADJUSTMENT TO CURRENT RETENTION LIMIT | VEHICLE COUNT | LOSS RATE AT CURRENT RETENTION | FITTED LOSS RATE | SELECTED INITIAL LOSS RATE ACTUAL RETENTION |
|---------------------|--------------------------|--------------------------|---------------|---------------------------------------|---------------|--------------------------------|------------------|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| 2000 | \$1,105 | \$1,105 | \$100k/\$200k | 1.032 | 4,783 | 23.84% | 28.26% | 27.39% |
| 2001 | 1,619 | 1,619 | \$100k/\$200k | 1.032 | 4,651 | 35.92% | 29.01% | 28.12% |
| 2002 | 1,457 | 1,457 | \$100k/\$200k | 1.032 | 4,505 | 33.38% | 29.76% | 28.85% |
| 2003 | 950 | 950 | \$100k/\$200k | 1.032 | 4,680 | 20.94% | 30.52% | 29.58% |
| 2004 | 1,393 | 1,393 | \$100k/\$200k | 1.032 | 4,599 | 31.25% | 31.27% | 30.31% |
| 2005 | 2,361 | 2,361 | \$100k/\$200k | 1.032 | 4,821 | 50.53% | 32.02% | 31.04% |
| 2006 | 1,481 | 1,481 | \$100k/\$200k | 1.032 | 5,110 | 29.91% | 32.78% | 31.77% |
| 2007 | 1,038 | 1,038 | \$100k/\$200k | 1.032 | 5,187 | 20.64% | 33.53% | 32.50% |
| 2008 | 1,627 | 1,627 | \$100k/\$200k | 1.032 | 5,068 | 33.13% | 34.28% | 33.23% |
| 2009 | 2,022 | 2,022 | \$100k/\$200k | 1.032 | 5,086 | 41.01% | 35.03% | 33.96% |
| 2010 | 1,332 | 1,332 | \$100k/\$200k | 1.032 | 4,943 | 27.80% | 35.79% | 34.69% |
| 2011 | 1,637 | 1,637 | \$100k/\$200k | 1.032 | 4,960 | 34.05% | 36.54% | 35.42% |
| 2012 | 1,687 | 1,688 | \$200k/\$300k | 1.000 | 4,660 | 36.21% | 37.29% | 37.29% |
| 2013 | 1,558 | 1,558 | \$200k/\$300k | 1.000 | 4,792 | 32.51% | 38.05% | 38.05% |
| 2014 | 2,790 | 2,732 | \$200k/\$300k | 1.000 | 5,028 | 54.91% | 38.80% | 38.80% |
| 2015 | 1,956 | 2,008 | \$200k/\$300k | 1.000 | 4,928 | 40.21% | 39.55% | 39.55% |
| 2016 | 1,718 | 1,884 | \$200k/\$300k | 1.000 | 5,246 | 34.33% | 40.31% | 40.31% |
| 2017 | 2,543 | 2,008 | \$200k/\$300k | 1.000 | 5,264 | 43.23% | 41.06% | 41.06% |
| 10/1/2017-3/31/2018 | 1,099 | 1,061 | \$200k/\$300k | 1.000 | 2,632 | 41.04% | 41.81% | 41.81% |
| 4/1/2018-9/30/2018 | | | | 1.000 | 2,632 | | 41.81% | 41.81% |
| 2019 | | | | 1.000 | 5,369 | | 42.56% | 42.56% |

| | |
|------------------|-----------------|
| Average | 34.99% |
| Weighted Average | 34.90% |
| Selected | based on fitted |

Notes:

- (1) - Per Exhibit VIII, Page 2, Column (3).
- (1) - Per Exhibit VIII, Page 2, Column (8).
- (3) & (5) - Per CITY OF JACKSONVILLE.
- (4) & (7) - Per AMI calculation.
- (6) = [Average of (1) & (2)] x [(4)/(5)].
- (8) = (7)/(4).

*Accident years are 12-month periods ending 9/30 of the stated year.

**CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
AUTOMOBILE LIABILITY
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES**

INCURRED LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | | | |
|-------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
| 1994 | | | | | | | | | | | | 1,029 |
| 1995 | | | | | | | | | | | | 1,513 |
| 1996 | | | | | | | | | | 1,074 | | 1,074 |
| 1997 | | | | | | | | | 1,081 | 1,081 | 1,081 | 1,081 |
| 1998 | | | | | | | | 856 | 856 | 856 | 856 | 856 |
| 1999 | | | | | | | 1,291 | 1,291 | 1,291 | 1,291 | 1,291 | 1,291 |
| 2000 | | | | | | 1,189 | 1,112 | 1,108 | 1,108 | 1,105 | 1,105 | 1,105 |
| 2001 | | | | | 1,625 | 1,616 | 1,619 | 1,619 | 1,619 | 1,619 | 1,640 | 1,631 |
| 2002 | | | | 1,562 | 1,544 | 1,460 | 1,457 | 1,457 | 1,457 | 1,457 | 1,468 | 1,468 |
| 2003 | | | 1,117 | 1,088 | 1,112 | 1,152 | 1,152 | 1,152 | 1,152 | 1,158 | 956 | 956 |
| 2004 | | 1,382 | 1,392 | 1,569 | 1,434 | 1,428 | 1,428 | 1,428 | 1,491 | 1,457 | 1,457 | 1,457 |
| 2005 | 1,361 | 1,985 | 2,024 | 2,638 | 2,685 | 2,643 | 2,593 | 2,619 | 2,388 | 2,388 | 2,388 | 2,388 |
| 2006 | 1,132 | 1,320 | 1,606 | 1,478 | 1,500 | 1,485 | 1,503 | 1,499 | 1,499 | 1,499 | 1,499 | 1,499 |
| 2007 | 882 | 976 | 1,034 | 1,053 | 1,067 | 1,062 | 1,048 | 1,048 | 1,048 | 1,048 | 1,048 | |
| 2008 | 1,250 | 1,666 | 1,513 | 1,602 | 1,633 | 1,667 | 1,627 | 1,632 | 1,632 | 1,632 | | |
| 2009 | 1,301 | 1,726 | 1,884 | 2,010 | 2,163 | 2,087 | 2,087 | 2,054 | | | | |
| 2010 | 753 | 1,184 | 1,151 | 1,291 | 1,349 | 1,338 | 1,338 | | | | | |
| 2011 | 1,005 | 1,321 | 1,665 | 1,638 | 1,633 | 1,651 | 1,651 | | | | | |
| 2012 | 1,165 | 1,466 | 1,811 | 1,895 | 1,910 | 1,733 | | | | | | |
| 2013 | 922 | 1,229 | 1,173 | 1,302 | 1,414 | | | | | | | |
| 2014 | 1,743 | 2,028 | 2,410 | 2,657 | | | | | | | | |
| 2015 | 1,079 | 1,703 | 1,814 | | | | | | | | | |
| 2016 | 1,158 | 1,373 | | | | | | | | | | |
| 2017 | 1,225 | | | | | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO 24 | TO 36 | TO 48 | TO 60 | TO 72 | TO 84 | TO 96 | TO 108 | TO 120 | TO 132 | TO 144 | TO 156 |
| 1994 | | | | | | | | | | | | 1.000 |
| 1995 | | | | | | | | | | | | 1.000 |
| 1996 | | | | | | | | | | 1.000 | 1.000 | 1.000 |
| 1997 | | | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 |
| 1998 | | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1999 | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2000 | | | | | | 0.935 | 0.996 | 1.000 | 0.997 | 1.000 | 1.000 | 1.008 |
| 2001 | | | | | 0.994 | 1.002 | 1.000 | 1.000 | 1.000 | 1.013 | 0.995 | 1.000 |
| 2002 | | | | 0.988 | 0.946 | 0.998 | 1.000 | 1.000 | 1.000 | 1.008 | 1.000 | 1.000 |
| 2003 | | | 0.974 | 1.022 | 1.036 | 1.000 | 1.000 | 1.000 | 1.005 | 0.826 | 1.000 | 1.000 |
| 2004 | | 1.007 | 1.127 | 0.914 | 0.996 | 1.000 | 1.000 | 1.044 | 0.977 | 1.000 | 1.000 | 1.000 |
| 2005 | 1.458 | 1.020 | 1.303 | 1.018 | 0.984 | 0.981 | 1.010 | 0.912 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2006 | 1.166 | 1.217 | 0.920 | 1.015 | 0.990 | 1.012 | 0.998 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 2007 | 1.107 | 1.059 | 1.018 | 1.013 | 0.995 | 0.987 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| 2008 | 1.333 | 0.908 | 1.059 | 1.019 | 1.021 | 0.976 | 1.003 | 1.000 | 1.000 | | | |
| 2009 | 1.327 | 1.092 | 1.067 | 1.076 | 0.965 | 1.000 | 0.984 | 1.000 | | | | |
| 2010 | 1.572 | 0.972 | 1.122 | 1.045 | 0.992 | 1.000 | 1.000 | | | | | |
| 2011 | 1.314 | 1.260 | 0.984 | 0.997 | 1.011 | 1.000 | | | | | | |
| 2012 | 1.259 | 1.235 | 1.046 | 1.008 | 0.907 | | | | | | | |
| 2013 | 1.333 | 0.955 | 1.109 | 1.087 | | | | | | | | |
| 2014 | 1.163 | 1.188 | 1.102 | | | | | | | | | |
| 2015 | 1.578 | 1.065 | | | | | | | | | | |
| 2016 | 1.186 | | | | | | | | | | | |
| AVERAGE | 1.316 | 1.082 | 1.069 | 1.017 | 0.986 | 0.991 | 0.999 | 0.996 | 0.998 | 0.987 | 1.000 | 1.001 |
| 3 YR AVG. | 1.309 | 1.069 | 1.086 | 1.031 | 0.970 | 1.000 | 0.996 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| EXCL HI LO | 1.311 | 1.081 | 1.061 | 1.020 | 0.989 | 0.994 | 1.000 | 1.000 | 1.000 | 1.001 | 1.000 | 1.000 |
| 5 YR AVG X HI/LO | 1.259 | 1.163 | 1.086 | 1.043 | 0.989 | 0.996 | 0.999 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PRIOR SELECTED (9/30/2017) | 1.328 | 1.106 | 1.071 | 1.042 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| SELECTED | 1.328 | 1.106 | 1.071 | 1.042 | 1.000 |
| CUMULATIVE | 1.640 | 1.235 | 1.116 | 1.042 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
AUTOMOBILE LIABILITY
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

INCURRED LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | | | |
|----------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 | 288 |
| 1994 | 1,029 | 1,029 | 1,029 | 1,029 | 1,029 | 1,029 | 1,035 | 1,035 | 1,035 | 1,035 | 1,035 | 1,035 |
| 1995 | 1,513 | 1,513 | 1,513 | 1,513 | 1,513 | 1,518 | 1,488 | 1,488 | 1,488 | 1,488 | 1,488 | |
| 1996 | 1,074 | 1,074 | 1,074 | 1,074 | 1,079 | 1,079 | 1,079 | 1,079 | 1,079 | 1,079 | | |
| 1997 | 1,081 | 1,081 | 1,081 | 1,086 | 1,086 | 1,086 | 1,086 | 1,086 | 1,086 | | | |
| 1998 | 856 | 856 | 861 | 861 | 861 | 861 | 861 | 861 | | | | |
| 1999 | 1,291 | 1,293 | 1,293 | 1,293 | 1,293 | 1,293 | 1,293 | | | | | |
| 2000 | 1,114 | 1,114 | 1,114 | 1,114 | 1,114 | 1,114 | | | | | | |
| 2001 | 1,631 | 1,631 | 1,631 | 1,631 | 1,631 | | | | | | | |
| 2002 | 1,468 | 1,468 | 1,468 | 1,468 | | | | | | | | |
| 2003 | 956 | 956 | 956 | | | | | | | | | |
| 2004 | 1,457 | 1,457 | | | | | | | | | | |
| 2005 | 2,388 | | | | | | | | | | | |
| 2006 | | | | | | | | | | | | |
| 2007 | | | | | | | | | | | | |
| 2008 | | | | | | | | | | | | |
| 2009 | | | | | | | | | | | | |
| 2010 | | | | | | | | | | | | |
| 2011 | | | | | | | | | | | | |
| 2012 | | | | | | | | | | | | |
| 2013 | | | | | | | | | | | | |
| 2014 | | | | | | | | | | | | |
| 2015 | | | | | | | | | | | | |
| 2016 | | | | | | | | | | | | |
| 2017 | | | | | | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 | 288 |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------|
| | TO | TO |
| | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 | 288 | ULT. |
| 1994 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.006 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1995 | 1.000 | 1.000 | 1.000 | 1.000 | 1.003 | 0.980 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| 1996 | 1.000 | 1.000 | 1.000 | 1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 1997 | 1.000 | 1.000 | 1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | |
| 1998 | 1.000 | 1.006 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| 1999 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | |
| 2000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | |
| 2001 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | |
| 2002 | 1.000 | 1.000 | 1.000 | | | | | | | | | |
| 2003 | 1.000 | 1.000 | | | | | | | | | | |
| 2004 | 1.000 | | | | | | | | | | | |
| 2005 | | | | | | | | | | | | |
| 2006 | | | | | | | | | | | | |
| 2007 | | | | | | | | | | | | |
| 2008 | | | | | | | | | | | | |
| 2009 | | | | | | | | | | | | |
| 2010 | | | | | | | | | | | | |
| 2011 | | | | | | | | | | | | |
| 2012 | | | | | | | | | | | | |
| 2013 | | | | | | | | | | | | |
| 2014 | | | | | | | | | | | | |
| 2015 | | | | | | | | | | | | |
| 2016 | | | | | | | | | | | | |
| AVERAGE | 1.000 | 1.001 | 1.001 | 1.001 | 1.000 | 0.998 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 3 YR AVG. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| EXCL HI LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 5 YR AVG X HI LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| PRIOR SELECTED (9/30/2017) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| SELECTED | 1.000 | |
| CUMULATIVE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
AUTOMOBILE LIABILITY
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

PAID LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | | | |
|-------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|
| | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
| 1994 | | | | | | | | | | | | 1,029 |
| 1995 | | | | | | | | | | | | 1,513 |
| 1996 | | | | | | | | | | 1,074 | | 1,074 |
| 1997 | | | | | | | | | 1,081 | 1,081 | | 1,081 |
| 1998 | | | | | | | | 856 | 856 | 856 | | 856 |
| 1999 | | | | | | | 1,291 | 1,291 | 1,291 | 1,291 | | 1,291 |
| 2000 | | | | | | 1,041 | 1,103 | 1,108 | 1,108 | 1,105 | | 1,105 |
| 2001 | | | | | 1,596 | 1,592 | 1,619 | 1,619 | 1,619 | 1,619 | | 1,631 |
| 2002 | | | | 1,215 | 1,370 | 1,451 | 1,457 | 1,457 | 1,457 | 1,457 | | 1,468 |
| 2003 | | | 986 | 1,046 | 1,078 | 1,152 | 1,152 | 1,152 | 1,152 | 1,158 | | 956 |
| 2004 | | 693 | 1,155 | 1,396 | 1,427 | 1,428 | 1,428 | 1,428 | 1,491 | 1,457 | | 1,457 |
| 2005 | 520 | 812 | 1,396 | 1,783 | 2,378 | 2,553 | 2,592 | 2,618 | 2,388 | 2,388 | | 2,388 |
| 2006 | 471 | 845 | 1,325 | 1,459 | 1,470 | 1,485 | 1,503 | 1,499 | 1,499 | 1,499 | | 1,499 |
| 2007 | 379 | 636 | 769 | 1,013 | 1,027 | 1,062 | 1,048 | 1,048 | 1,048 | 1,048 | | 1,048 |
| 2008 | 537 | 866 | 1,331 | 1,535 | 1,566 | 1,615 | 1,615 | 1,615 | 1,617 | 1,617 | | |
| 2009 | 366 | 1,032 | 1,506 | 1,567 | 1,902 | 2,033 | 2,033 | 2,054 | 2,054 | | | |
| 2010 | 315 | 826 | 974 | 1,218 | 1,310 | 1,319 | 1,319 | | | | | |
| 2011 | 376 | 890 | 1,371 | 1,623 | 1,633 | 1,633 | 1,633 | | | | | |
| 2012 | 452 | 843 | 1,274 | 1,577 | 1,638 | 1,650 | | | | | | |
| 2013 | 390 | 692 | 972 | 1,155 | 1,347 | | | | | | | |
| 2014 | 611 | 1,314 | 1,714 | 2,377 | | | | | | | | |
| 2015 | 407 | 1,441 | 1,561 | | | | | | | | | |
| 2016 | 432 | 940 | | | | | | | | | | |
| 2017 | 349 | | | | | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO 24 | TO 36 | TO 48 | TO 60 | TO 72 | TO 84 | TO 96 | TO 108 | TO 120 | TO 132 | TO 144 | TO 156 |
| 1994 | | | | | | | | | | | | 1.000 |
| 1995 | | | | | | | | | | | | 1.000 |
| 1996 | | | | | | | | | | 1.000 | | 1.000 |
| 1997 | | | | | | | | | 1.000 | 1.000 | | 1.000 |
| 1998 | | | | | | | | 1.000 | 1.000 | 1.000 | | 1.000 |
| 1999 | | | | | | | 1.000 | 1.000 | 1.000 | 1.000 | | 1.000 |
| 2000 | | | | | | 1.060 | 1.005 | 1.000 | 0.997 | 1.000 | | 1.008 |
| 2001 | | | | | 0.997 | 1.017 | 1.000 | 1.000 | 1.000 | 1.000 | | 1.007 |
| 2002 | | | | 1.128 | 1.059 | 1.004 | 1.000 | 1.000 | 1.000 | 1.008 | | 1.000 |
| 2003 | | | 1.061 | 1.031 | 1.069 | 1.000 | 1.000 | 1.000 | 1.005 | 0.826 | | 1.000 |
| 2004 | | 1.667 | 1.209 | 1.022 | 1.001 | 1.000 | 1.000 | 1.044 | 0.977 | 1.000 | | 1.000 |
| 2005 | 1.562 | 1.719 | 1.277 | 1.334 | 1.074 | 1.015 | 1.010 | 0.912 | 1.000 | 1.000 | | 1.000 |
| 2006 | 1.794 | 1.568 | 1.101 | 1.008 | 1.010 | 1.012 | 0.998 | 1.000 | 1.000 | 1.000 | | 1.000 |
| 2007 | 1.678 | 1.209 | 1.317 | 1.014 | 1.034 | 0.987 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| 2008 | 1.613 | 1.537 | 1.153 | 1.020 | 1.031 | 1.000 | 1.000 | 1.001 | 1.000 | | | |
| 2009 | 2.820 | 1.459 | 1.041 | 1.214 | 1.069 | 1.000 | 1.011 | 1.000 | | | | |
| 2010 | 2.622 | 1.179 | 1.250 | 1.076 | 1.007 | 1.000 | 1.000 | | | | | |
| 2011 | 2.367 | 1.540 | 1.184 | 1.006 | 1.000 | 1.000 | | | | | | |
| 2012 | 1.866 | 1.511 | 1.237 | 1.039 | 1.007 | | | | | | | |
| 2013 | 1.775 | 1.405 | 1.188 | 1.167 | | | | | | | | |
| 2014 | 2.152 | 1.304 | 1.387 | | | | | | | | | |
| 2015 | 3.542 | 1.083 | | | | | | | | | | |
| 2016 | 2.176 | | | | | | | | | | | |
| AVERAGE | 2.164 | 1.432 | 1.200 | 1.088 | 1.030 | 1.008 | 1.002 | 0.996 | 0.998 | 0.986 | 1.001 | 1.001 |
| 3 YR AVG. | 2.623 | 1.264 | 1.271 | 1.071 | 1.005 | 1.000 | 1.004 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| EXCL HI LO | 2.086 | 1.438 | 1.198 | 1.072 | 1.029 | 1.005 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 5 YR AVG X HI/LO | 2.065 | 1.407 | 1.225 | 1.094 | 1.015 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| PRIOR SELECTED (9/30/2017) | 2.235 | 1.465 | 1.198 | 1.071 | 1.031 | 1.006 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| SELECTED | 2.235 | 1.465 | 1.198 | 1.071 | 1.031 | 1.006 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| CUMULATIVE | 4.365 | 1.953 | 1.334 | 1.113 | 1.039 | 1.008 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
AUTOMOBILE LIABILITY
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
UNLIMITED LOSSES

PAID LOSS DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | | | |
|-------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 | 288 |
| 1994 | 1,029 | 1,029 | 1,029 | 1,029 | 1,029 | 1,029 | 1,035 | 1,035 | 1,035 | 1,035 | 1,035 | 1,035 |
| 1995 | 1,513 | 1,513 | 1,513 | 1,513 | 1,513 | 1,518 | 1,488 | 1,488 | 1,488 | 1,488 | 1,488 | 1,488 |
| 1996 | 1,074 | 1,074 | 1,074 | 1,074 | 1,079 | 1,079 | 1,079 | 1,079 | 1,079 | 1,079 | | |
| 1997 | 1,081 | 1,081 | 1,081 | 1,086 | 1,086 | 1,086 | 1,086 | 1,086 | 1,086 | | | |
| 1998 | 856 | 856 | 861 | 861 | 861 | 861 | 861 | 861 | | | | |
| 1999 | 1,291 | 1,293 | 1,293 | 1,293 | 1,293 | 1,293 | 1,293 | | | | | |
| 2000 | 1,114 | 1,114 | 1,114 | 1,114 | 1,114 | 1,114 | | | | | | |
| 2001 | 1,631 | 1,631 | 1,631 | 1,631 | 1,631 | | | | | | | |
| 2002 | 1,468 | 1,468 | 1,468 | 1,468 | | | | | | | | |
| 2003 | 956 | 956 | 956 | | | | | | | | | |
| 2004 | 1,457 | 1,457 | | | | | | | | | | |
| 2005 | 2,388 | | | | | | | | | | | |
| 2006 | | | | | | | | | | | | |
| 2007 | | | | | | | | | | | | |
| 2008 | | | | | | | | | | | | |
| 2009 | | | | | | | | | | | | |
| 2010 | | | | | | | | | | | | |
| 2011 | | | | | | | | | | | | |
| 2012 | | | | | | | | | | | | |
| 2013 | | | | | | | | | | | | |
| 2014 | | | | | | | | | | | | |
| 2015 | | | | | | | | | | | | |
| 2016 | | | | | | | | | | | | |
| 2017 | | | | | | | | | | | | |

LOSS DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 | 288 |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO |
| | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 | 288 | ULT. |
| 1994 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.006 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1995 | 1.000 | 1.000 | 1.000 | 1.000 | 1.003 | 0.980 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 1996 | 1.000 | 1.000 | 1.000 | 1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 1997 | 1.000 | 1.000 | 1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | |
| 1998 | 1.000 | 1.006 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| 1999 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | |
| 2000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | |
| 2001 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | | | | |
| 2002 | 1.000 | 1.000 | 1.000 | | | | | | | | | |
| 2003 | 1.000 | 1.000 | | | | | | | | | | |
| 2004 | 1.000 | | | | | | | | | | | |
| 2005 | | | | | | | | | | | | |
| 2006 | | | | | | | | | | | | |
| 2007 | | | | | | | | | | | | |
| 2008 | | | | | | | | | | | | |
| 2009 | | | | | | | | | | | | |
| 2010 | | | | | | | | | | | | |
| 2011 | | | | | | | | | | | | |
| 2012 | | | | | | | | | | | | |
| 2013 | | | | | | | | | | | | |
| 2014 | | | | | | | | | | | | |
| 2015 | | | | | | | | | | | | |
| 2016 | | | | | | | | | | | | |
| AVERAGE | 1.000 | 1.001 | 1.001 | 1.001 | 1.000 | 0.998 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| 3 YR AVG. | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| EXCL HI LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | |
| 5 YR AVG X HI/LO | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | | | | |
| PRIOR SELECTED (9/30/2017) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| SELECTED | 1.000 | |
| CUMULATIVE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*All accident years are 12-month periods ending 9/30 of the stated year.

**CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE REPORTED CLAIM COUNT DEVELOPMENT FACTORS
AUTOMOBILE LIABILITY
AS OF MARCH 31, 2018**

REPORTED CLAIM COUNT DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | | | |
|----------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
| 1994 | 384 | 393 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 394 |
| 1995 | 356 | 375 | 376 | 378 | 378 | 378 | 378 | 378 | 378 | 378 | 378 | 378 |
| 1996 | 379 | 390 | 391 | 391 | 391 | 391 | 391 | 391 | 391 | 391 | 391 | 391 |
| 1997 | 343 | 357 | 358 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 |
| 1998 | 338 | 346 | 346 | 348 | 348 | 348 | 348 | 348 | 348 | 348 | 348 | 348 |
| 1999 | 314 | 326 | 326 | 326 | 326 | 326 | 326 | 326 | 326 | 326 | 326 | 326 |
| 2000 | 304 | 313 | 316 | 318 | 319 | 319 | 319 | 319 | 319 | 319 | 319 | 319 |
| 2001 | 361 | 373 | 379 | 379 | 379 | 379 | 379 | 379 | 379 | 379 | 379 | 379 |
| 2002 | 329 | 339 | 339 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 339 |
| 2003 | 360 | 377 | 380 | 382 | 382 | 382 | 382 | 382 | 382 | 382 | 381 | 381 |
| 2004 | 339 | 358 | 358 | 358 | 358 | 358 | 358 | 358 | 358 | 347 | 347 | 348 |
| 2005 | 411 | 436 | 437 | 437 | 437 | 437 | 437 | 437 | 423 | 423 | 430 | 430 |
| 2006 | 320 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 335 | 335 | 369 |
| 2007 | 255 | 264 | 265 | 265 | 265 | 265 | 260 | 260 | 267 | 267 | 299 | |
| 2008 | 280 | 280 | 280 | 280 | 280 | 273 | 273 | 278 | 278 | 314 | | |
| 2009 | 216 | 217 | 217 | 217 | 220 | 220 | 221 | 221 | 251 | | | |
| 2010 | 204 | 205 | 205 | 213 | 213 | 216 | 216 | 237 | | | | |
| 2011 | 175 | 178 | 210 | 211 | 213 | 213 | 242 | | | | | |
| 2012 | 183 | 198 | 201 | 202 | 203 | 228 | | | | | | |
| 2013 | 174 | 186 | 190 | 191 | 211 | | | | | | | |
| 2014 | 179 | 207 | 210 | 245 | | | | | | | | |
| 2015 | 191 | 215 | 235 | | | | | | | | | |
| 2016 | 241 | 266 | | | | | | | | | | |
| 2017 | 334 | | | | | | | | | | | |

CLAIM COUNT DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 | 132 | 144 |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO 24 | TO 36 | TO 48 | TO 60 | TO 72 | TO 84 | TO 96 | TO 108 | TO 120 | TO 132 | TO 144 | TO 156 |
| 1994 | 1.023 | 1.003 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1995 | 1.053 | 1.003 | 1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1996 | 1.029 | 1.003 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1997 | 1.041 | 1.003 | 1.003 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1998 | 1.024 | 1.000 | 1.006 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 1999 | 1.038 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2000 | 1.030 | 1.010 | 1.006 | 1.003 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2001 | 1.033 | 1.016 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.003 |
| 2002 | 1.030 | 1.000 | 1.003 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.997 | 1.000 |
| 2003 | 1.047 | 1.008 | 1.005 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.997 | 1.000 | 1.005 |
| 2004 | 1.056 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.969 | 1.000 | 1.003 | 1.000 |
| 2005 | 1.061 | 1.002 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.968 | 1.000 | 1.017 | 1.000 | 1.109 |
| 2006 | 1.041 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.006 | 1.000 | 1.101 | |
| 2007 | 1.035 | 1.004 | 1.000 | 1.000 | 1.000 | 0.981 | 1.000 | 1.027 | 1.000 | 1.120 | | |
| 2008 | 1.000 | 1.000 | 1.000 | 1.000 | 0.975 | 1.000 | 1.018 | 1.000 | 1.129 | | | |
| 2009 | 1.005 | 1.000 | 1.000 | 1.014 | 1.000 | 1.005 | 1.000 | 1.136 | | | | |
| 2010 | 1.005 | 1.000 | 1.039 | 1.000 | 1.014 | 1.000 | 1.097 | | | | | |
| 2011 | 1.017 | 1.180 | 1.005 | 1.009 | 1.000 | 1.136 | | | | | | |
| 2012 | 1.082 | 1.015 | 1.005 | 1.005 | 1.123 | | | | | | | |
| 2013 | 1.069 | 1.022 | 1.005 | 1.105 | | | | | | | | |
| 2014 | 1.156 | 1.014 | 1.167 | | | | | | | | | |
| 2015 | 1.126 | 1.093 | | | | | | | | | | |
| 2016 | 1.104 | | | | | | | | | | | |
| AVERAGE | 1.048 | 1.017 | 1.012 | 1.007 | 1.006 | 1.007 | 1.007 | 1.008 | 1.007 | 1.010 | 1.008 | 1.010 |
| 3 YR AVG. | 1.129 | 1.043 | 1.059 | 1.040 | 1.046 | 1.047 | 1.038 | 1.054 | 1.045 | 1.046 | 1.035 | 1.038 |
| EXCL HI LO | 1.045 | 1.010 | 1.004 | 1.002 | 1.001 | 1.000 | 1.001 | 1.002 | 1.000 | 1.001 | 1.000 | 1.001 |
| 5 YR AVG X HI/LO | 1.104 | 1.043 | 1.016 | 1.009 | 1.005 | 1.002 | 1.006 | 1.009 | 1.002 | 1.006 | 1.001 | 1.003 |
| PRIOR SELECTED (9/30/2017) | 1.081 | 1.012 | 1.004 | 1.003 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| SELECTED | 1.081 | 1.012 | 1.004 | 1.003 | 1.000 |
| CUMULATIVE | 1.102 | 1.019 | 1.007 | 1.003 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF THE LOSS DEVELOPMENT FACTORS
AUTOMOBILE LIABILITY
AS OF MARCH 31, 2018

REPORTED CLAIM COUNT DEVELOPMENT

| ACCIDENT YEAR* | DEVELOPMENT MONTHS | | | | | | | | | | | |
|-------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 | 288 |
| 1994 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 393 | 393 | 393 | 393 | 413 |
| 1995 | 378 | 378 | 378 | 378 | 378 | 378 | 365 | 365 | 365 | 371 | 403 | |
| 1996 | 391 | 391 | 391 | 391 | 391 | 390 | 390 | 390 | 394 | 428 | | |
| 1997 | 359 | 359 | 359 | 359 | 359 | 359 | 360 | 360 | 393 | | | |
| 1998 | 348 | 348 | 348 | 348 | 348 | 348 | 348 | 348 | 388 | | | |
| 1999 | 326 | 326 | 326 | 326 | 330 | 330 | 368 | | | | | |
| 2000 | 319 | 317 | 317 | 322 | 322 | 359 | | | | | | |
| 2001 | 380 | 380 | 385 | 385 | 411 | | | | | | | |
| 2002 | 339 | 341 | 341 | 374 | | | | | | | | |
| 2003 | 383 | 383 | 420 | | | | | | | | | |
| 2004 | 348 | 399 | | | | | | | | | | |
| 2005 | 477 | | | | | | | | | | | |
| 2006 | | | | | | | | | | | | |
| 2007 | | | | | | | | | | | | |
| 2008 | | | | | | | | | | | | |
| 2009 | | | | | | | | | | | | |
| 2010 | | | | | | | | | | | | |
| 2011 | | | | | | | | | | | | |
| 2012 | | | | | | | | | | | | |
| 2013 | | | | | | | | | | | | |
| 2014 | | | | | | | | | | | | |
| 2015 | | | | | | | | | | | | |
| 2016 | | | | | | | | | | | | |
| 2017 | | | | | | | | | | | | |

CLAIM COUNT DEVELOPMENT FACTORS

| ACCIDENT YEAR* | 156 | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 | 288 |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | TO |
| | 168 | 180 | 192 | 204 | 216 | 228 | 240 | 252 | 264 | 276 | 288 | ULT. |
| 1994 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.997 | 1.000 | 1.000 | 1.000 | 1.051 | |
| 1995 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.966 | 1.000 | 1.000 | 1.016 | 1.086 | | |
| 1996 | 1.000 | 1.000 | 1.000 | 1.000 | 0.997 | 1.000 | 1.000 | 1.010 | 1.086 | | | |
| 1997 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.003 | 1.000 | 1.092 | | | | |
| 1998 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.115 | | | | | |
| 1999 | 1.000 | 1.000 | 1.000 | 1.012 | 1.000 | 1.115 | | | | | | |
| 2000 | 0.994 | 1.000 | 1.016 | 1.000 | 1.115 | | | | | | | |
| 2001 | 1.000 | 1.013 | 1.000 | 1.068 | | | | | | | | |
| 2002 | 1.006 | 1.000 | 1.097 | | | | | | | | | |
| 2003 | 1.000 | 1.097 | | | | | | | | | | |
| 2004 | 1.147 | | | | | | | | | | | |
| 2005 | | | | | | | | | | | | |
| 2006 | | | | | | | | | | | | |
| 2007 | | | | | | | | | | | | |
| 2008 | | | | | | | | | | | | |
| 2009 | | | | | | | | | | | | |
| 2010 | | | | | | | | | | | | |
| 2011 | | | | | | | | | | | | |
| 2012 | | | | | | | | | | | | |
| 2013 | | | | | | | | | | | | |
| 2014 | | | | | | | | | | | | |
| 2015 | | | | | | | | | | | | |
| 2016 | | | | | | | | | | | | |
| AVERAGE | 1.013 | 1.011 | 1.013 | 1.010 | 1.016 | 1.014 | 1.022 | 1.026 | 1.034 | 1.043 | 1.051 | |
| 3 YR AVG. | 1.051 | 1.037 | 1.038 | 1.027 | 1.038 | 1.039 | 1.038 | 1.034 | 1.034 | | | |
| EXCL HI LO | 1.001 | 1.002 | 1.002 | 1.002 | 1.000 | 1.001 | 1.000 | 1.005 | 1.016 | | | |
| 5 YR AVG X HI/LO | 1.002 | 1.004 | 1.005 | 1.004 | 1.000 | 1.001 | 1.000 | | | | | |
| PRIOR SELECTED (9/30/2017) | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | | |
| SELECTED | 1.000 | |
| CUMULATIVE | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF ULTIMATE CLAIM FREQUENCY AND ULTIMATE CLAIM SEVERITY
AUTOMOBILE LIABILITY
AS OF MARCH 31, 2018
LIMITED TO RETENTION

| ACCIDENT YEARS* | CLAIMS REPORTED @3/31/2018 | DEVELOPMENT FACTORS | ULTIMATE CLAIM COUNT | ULTIMATE LOSS | VEHICLE COUNT | NUMBER OF CLAIMS PER 1,000 VEHICLES (FREQUENCY) | AVERAGE CLAIM (SEVERITY) (WHOLE DOLLARS) |
|---------------------|----------------------------|---------------------|----------------------|---------------|---------------|---|--|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 2004 | 399 | 1.000 | 399 | 1,393 | 4,599 | 86.8 | \$3,492 |
| 2005 | 477 | 1.000 | 477 | 2,361 | 4,821 | 98.9 | 4,950 |
| 2006 | 369 | 1.000 | 369 | 1,481 | 5,110 | 72.2 | 4,014 |
| 2007 | 299 | 1.000 | 299 | 1,038 | 5,187 | 57.6 | 3,471 |
| 2008 | 314 | 1.000 | 314 | 1,627 | 5,068 | 62.0 | 5,183 |
| 2009 | 251 | 1.000 | 251 | 2,022 | 5,086 | 49.4 | 8,054 |
| 2010 | 237 | 1.000 | 237 | 1,332 | 4,943 | 47.9 | 5,620 |
| 2011 | 242 | 1.000 | 242 | 1,637 | 4,960 | 48.8 | 6,764 |
| 2012 | 228 | 1.000 | 228 | 1,687 | 4,660 | 48.9 | 7,401 |
| 2013 | 211 | 1.000 | 211 | 1,558 | 4,792 | 44.0 | 7,383 |
| 2014 | 245 | 1.001 | 245 | 2,757 | 5,028 | 48.8 | 11,235 |
| 2015 | 235 | 1.005 | 236 | 1,979 | 4,928 | 47.9 | 8,379 |
| 2016 | 266 | 1.013 | 269 | 1,839 | 5,246 | 51.4 | 6,823 |
| 2017 | 334 | 1.060 | 354 | 2,273 | 5,264 | 67.3 | 6,416 |
| 10/1/2017-3/31/2018 | 150 | | 138 | 1,162 | 2,632 | 52.5 | 8,408 |
| TOTAL | 4,257 | | 4,270 | 26,145 | | | |

Notes:

- (1) & (5) - Per CITY OF JACKSONVILLE.
 - (2) - Per CITY OF JACKSONVILLE's historical loss patterns.
 - (3) = (1) x (2). For the most recent year, we used the average of prior years.
 - (4) = Exhibit VIII, Page 1, Column (5).
 - (6) = [(3) / (5)] x 1000.
 - (7) = [(4) / (3)] x 1000.
- *Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
ANALYSIS OF RESERVE CHANGE
AUTOMOBILE LIABILITY
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| | |
|--|----------------|
| 1. Estimated net undiscounted reserves at 9/30/2017 | \$3,589 |
| 2. Loss payments during 2018 for accident years 2017 and prior | (\$885) |
| 3. Change in estimated ultimate losses for accident years 2017 and prior due to re-evaluation at 3/31/2018 | \$368 |
| 4. Estimated ultimate losses for accident year 2018. | \$1,162 |
| 5. Loss payments during 2018 for accident year 2018. | (\$197) |
| 6. Estimated net undiscounted reserves at 3/31/2018 | \$4,036 |

Notes:

- (1) - Per Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VIII, Page 7C, Column (3).
- (3) - Total from Exhibit VIII, Page 7B, Column (3).
- (4) - See Exhibit VIII, Page 1, Column (5), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
AUTOMOBILE LIABILITY
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | \$1,483 | \$1,483 | \$0 |
| 1996 | 1,074 | 1,074 | 0 |
| 1997 | 1,081 | 1,081 | 0 |
| 1998 | 856 | 856 | 0 |
| 1999 | 1,291 | 1,291 | 0 |
| 2000 | 1,105 | 1,105 | 0 |
| 2001 | 1,619 | 1,619 | 0 |
| 2002 | 1,457 | 1,457 | 0 |
| 2003 | 950 | 950 | 0 |
| 2004 | 1,393 | 1,393 | 0 |
| 2005 | 2,361 | 2,361 | 0 |
| 2006 | 1,481 | 1,481 | 0 |
| 2007 | 1,038 | 1,038 | 0 |
| 2008 | 1,627 | 1,627 | 0 |
| 2009 | 2,022 | 2,022 | 0 |
| 2010 | 1,332 | 1,332 | 0 |
| 2011 | 1,637 | 1,637 | 0 |
| 2012 | 1,725 | 1,687 | (37) |
| 2013 | 1,411 | 1,558 | 147 |
| 2014 | 2,700 | 2,757 | 57 |
| 2015 | 2,042 | 1,979 | (63) |
| 2016 | 1,798 | 1,839 | 41 |
| 2017 | 2,049 | 2,273 | 224 |
| TOTAL | \$35,533 | \$35,901 | \$368 |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VIII, Page 1, Column (5).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
AUTOMOBILE LIABILITY
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|-------------------|-------------------|----------------------------|
| | @9/30/2017 (1) | @3/31/2018 (2) | |
| 1995 | \$1,483 | \$1,483 | \$0 |
| 1996 | 1,074 | 1,074 | 0 |
| 1997 | 1,081 | 1,081 | 0 |
| 1998 | 856 | 856 | 0 |
| 1999 | 1,291 | 1,291 | 0 |
| 2000 | 1,105 | 1,105 | 0 |
| 2001 | 1,619 | 1,619 | 0 |
| 2002 | 1,457 | 1,457 | 0 |
| 2003 | 950 | 950 | 0 |
| 2004 | 1,393 | 1,393 | 0 |
| 2005 | 2,361 | 2,361 | 0 |
| 2006 | 1,481 | 1,481 | 0 |
| 2007 | 1,038 | 1,038 | 0 |
| 2008 | 1,613 | 1,613 | 0 |
| 2009 | 2,022 | 2,022 | 0 |
| 2010 | 1,313 | 1,313 | 0 |
| 2011 | 1,619 | 1,619 | 0 |
| 2012 | 1,641 | 1,679 | 38 |
| 2013 | 1,343 | 1,477 | 134 |
| 2014 | 2,373 | 2,492 | 119 |
| 2015 | 1,560 | 1,641 | 81 |
| 2016 | 922 | 1,146 | 224 |
| 2017 | 347 | 636 | 289 |
| TOTAL | \$31,944 | \$32,829 | \$885 |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VIII, Page 1, Column (6).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF TOTAL RESERVES
AUTOMOBILE LIABILITY
City of Jacksonville - Other Than Sheriff and Fire Claims
(\$AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @3/31/2018 | CASE RESERVES @3/31/2018 | INCURRED LOSSES @3/31/2018 | SELECTED ULTIMATE LOSSES | LOSS RESERVES @3/31/2018 |
|-----------------|------------------------|--------------------------|----------------------------|--------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) |
| 1994 | \$289 | \$0 | \$289 | \$289 | \$0 |
| 1995 | 607 | 0 | 607 | 607 | 0 |
| 1996 | 161 | 0 | 161 | 161 | 0 |
| 1997 | 218 | 0 | 218 | 218 | 0 |
| 1998 | 77 | 0 | 77 | 77 | 0 |
| 1999 | 103 | 0 | 103 | 103 | 0 |
| 2000 | 257 | 0 | 257 | 257 | 0 |
| 2001 | 225 | 0 | 225 | 225 | 0 |
| 2002 | 157 | 0 | 157 | 157 | 0 |
| 2003 | 187 | 0 | 187 | 187 | 0 |
| 2004 | 335 | 0 | 335 | 335 | 0 |
| 2005 | 486 | 0 | 486 | 486 | 0 |
| 2006 | 423 | 0 | 423 | 423 | 0 |
| 2007 | 82 | 0 | 82 | 82 | 0 |
| 2008 | 109 | 0 | 109 | 109 | 0 |
| 2009 | 306 | 0 | 306 | 306 | 0 |
| 2010 | 252 | 0 | 252 | 252 | 0 |
| 2011 | 345 | 0 | 345 | 345 | 0 |
| 2012 | 202 | 0 | 202 | 202 | 0 |
| 2013 | 254 | 0 | 254 | 254 | 0 |
| 2014 | 420 | 108 | 528 | 539 | 118 |
| 2015 | 103 | 17 | 120 | 136 | 33 |
| 2016 | 284 | 30 | 314 | 350 | 66 |
| 2017 | 90 | 114 | 204 | 254 | 164 |
| 2018 | 57 | 65 | 121 | 204 | 147 |
| TOTAL | \$6,028 | \$333 | \$6,361 | \$6,557 | \$529 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VIII, Page 1, Column (7) , based on case reserves.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
AUTOMOBILE LIABILITY
City of Jacksonville - Other Than Sheriff and Fire Claims
(\$AMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED ULTIMATE LOSSES | RETENTION | VEHICLE COUNT | LOSS RATE |
|--------------------------------------|--------------------------|-----------|---------------|-----------|
| | (1) | (2) | (3) | (4) |
| 1994 | \$289 | \$1,000 | N/A | N/A |
| 1995 | 607 | 1,000 | N/A | N/A |
| 1996 | 161 | 1,000 | 872 | 0.1841 |
| 1997 | 218 | 1,000 | 865 | 0.2522 |
| 1998 | 77 | 1,000 | 1,092 | 0.0707 |
| 1999 | 103 | 1,000 | 1,131 | 0.0912 |
| 2000 | 257 | 1,000 | 1,214 | 0.2117 |
| 2001 | 225 | 1,000 | 1,156 | 0.1947 |
| 2002 | 157 | 1,000 | 1,131 | 0.1384 |
| 2003 | 187 | 1,200 | 1,149 | 0.1629 |
| 2004 | 335 | 1,200 | 1,124 | 0.2979 |
| 2005 | 486 | 1,200 | 1,220 | 0.3986 |
| 2006 | 423 | 1,200 | 1,294 | 0.3271 |
| 2007 | 82 | 1,200 | 1,334 | 0.0616 |
| 2008 | 109 | 1,200 | 1,301 | 0.0838 |
| 2009 | 306 | 1,200 | 1,318 | 0.2321 |
| 2010 | 252 | 1,200 | 1,275 | 0.1978 |
| 2011 | 345 | 1,200 | 1,304 | 0.2645 |
| 2012 | 202 | 1,200 | 1,172 | 0.1721 |
| 2013 | 254 | 1,200 | 1,245 | 0.2040 |
| 2014 | 539 | 1,500 | 1,331 | 0.4047 |
| 2015 | 136 | 1,500 | 1,225 | 0.1111 |
| 2016 | 350 | 1,500 | 1,410 | 0.2482 |
| 2017 | 254 | 1,500 | 1,429 | 0.1778 |
| 2018 | 204 | 1,500 | 715 | 0.2851 |
| <i>(PROJ.) 4/1/2018 to 9/30/2018</i> | \$147 | 1,500 | 715 | 0.2056 |
| <i>(PROJ.) 2018/2019</i> | 306 | 1,500 | 1,458 | 0.2097 |
| <i>(PROJ.) 2019/2020</i> | 318 | 1,500 | 1,487 | 0.2139 |
| <i>(PROJ.) 2020/2021</i> | 331 | 1,500 | 1,516 | 0.2182 |
| <i>(PROJ.) 2021/2022</i> | 344 | 1,500 | 1,547 | 0.2225 |
| <i>(PROJ.) 2022/2023</i> | 358 | 1,500 | 1,578 | 0.2270 |

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEARS* | 55% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (9) | (10) |
| 4/1/2018 to 9/30/2018 | \$147 | \$170 | \$179 | \$189 | \$202 | \$220 |
| 2018/2019 | 306 | 354 | 372 | 393 | 420 | 458 |
| 2019/2020 | 318 | 368 | 387 | 409 | 436 | 476 |
| 2020/2021 | 331 | 383 | 403 | 425 | 454 | 495 |
| 2021/2022 | 344 | 398 | 419 | 442 | 472 | 515 |
| 2022/2023 | 358 | 414 | 436 | 460 | 491 | 536 |

Notes:

(1) - Exhibit VIII-A, Page 1, Column (4). For the projection years (1) = (3) x (4).

(2) & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) / (3). For the projected year, it is the average of prior years.

(5) = Projected losses in Column (1).

(6) to (10) - Based on Monte Carlo Simulation Approach.

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
AUTOMOBILE LIABILITY
City of Jacksonville - including Fire and Sheriff
(\$AMTS IN THOUSANDS)

| | |
|--|----------------|
| 1. Estimated net undiscounted reserves at 9/30/2017 | \$609 |
| 2. Loss payments during 2018 for accident years 2017 and prior | (\$270) |
| 3. Change in estimated ultimate losses for accident years 2017 and prior due to re-evaluation at 3/31/2018 | \$43 |
| 4. Estimated ultimate losses for accident year 2018. | \$204 |
| 5. Loss payments during 2018 for accident year 2018. | (\$57) |
| 6. Estimated net undiscounted reserves at 3/31/2018 | \$529 |

Notes:

- (1) - Per AMI Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VIII-A, Page 7C, Column (3).
- (3) - Total from Exhibit VIII-A, Page 7B, Column (3).
- (4) - See Exhibit VIII-A, Page 1, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
AUTOMOBILE LIABILITY
City of Jacksonville - including Fire and Sheriff
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | \$607 | \$607 | \$0 |
| 1996 | 161 | 161 | 0 |
| 1997 | 218 | 218 | 0 |
| 1998 | 77 | 77 | 0 |
| 1999 | 103 | 103 | 0 |
| 2000 | 257 | 257 | 0 |
| 2001 | 225 | 225 | 0 |
| 2002 | 157 | 157 | 0 |
| 2003 | 187 | 187 | 0 |
| 2004 | 335 | 335 | 0 |
| 2005 | 486 | 486 | 0 |
| 2006 | 423 | 423 | 0 |
| 2007 | 82 | 82 | 0 |
| 2008 | 109 | 109 | 0 |
| 2009 | 306 | 306 | 0 |
| 2010 | 252 | 252 | 0 |
| 2011 | 345 | 345 | 0 |
| 2012 | 198 | 202 | 3 |
| 2013 | 254 | 254 | 0 |
| 2014 | 490 | 539 | 48 |
| 2015 | 161 | 136 | (25) |
| 2016 | 360 | 350 | (10) |
| 2017 | 228 | 254 | 26 |
| TOTAL | \$6,021 | \$6,064 | 43 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VIII-A, Column (4) of Pages 1.

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
AUTOMOBILE LIABILITY
City of Jacksonville - including Fire and Sheriff
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|----------------|----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | \$607 | \$607 | \$0 |
| 1996 | 161 | 161 | 0 |
| 1997 | 218 | 218 | 0 |
| 1998 | 77 | 77 | 0 |
| 1999 | 103 | 103 | 0 |
| 2000 | 257 | 257 | 0 |
| 2001 | 225 | 225 | 0 |
| 2002 | 157 | 157 | 0 |
| 2003 | 187 | 187 | 0 |
| 2004 | 335 | 335 | 0 |
| 2005 | 486 | 486 | 0 |
| 2006 | 423 | 423 | 0 |
| 2007 | 82 | 82 | 0 |
| 2008 | 109 | 109 | 0 |
| 2009 | 306 | 306 | 0 |
| 2010 | 252 | 252 | 0 |
| 2011 | 345 | 345 | 0 |
| 2012 | 163 | 202 | 39 |
| 2013 | 254 | 254 | 0 |
| 2014 | 304 | 420 | 116 |
| 2015 | 97 | 103 | 6 |
| 2016 | 205 | 284 | 79 |
| 2017 | 60 | 90 | 30 |
| TOTAL | \$5,412 | \$5,682 | 270 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VIII-A, Page 1, Column (1).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF TOTAL RESERVES
AUTOMOBILE LIABILITY
City of Jacksonville - Sheriff Claims
(\$AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @3/31/2018 | CASE RESERVES @3/31/2018 | INCURRED LOSSES @3/31/2018 | SELECTED ULTIMATE LOSSES | LOSS RESERVES @3/31/2018 |
|-----------------|------------------------|--------------------------|----------------------------|--------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) |
| 1994 | \$594 | \$0 | \$594 | \$594 | \$0 |
| 1995 | 716 | 0 | 716 | 716 | 0 |
| 1996 | 666 | 0 | 666 | 666 | 0 |
| 1997 | 542 | 0 | 542 | 542 | 0 |
| 1998 | 391 | 0 | 391 | 391 | 0 |
| 1999 | 764 | 0 | 764 | 764 | 0 |
| 2000 | 407 | 0 | 407 | 407 | 0 |
| 2001 | 518 | 0 | 518 | 518 | 0 |
| 2002 | 458 | 0 | 458 | 458 | 0 |
| 2003 | 468 | 0 | 468 | 468 | 0 |
| 2004 | 532 | 0 | 532 | 532 | 0 |
| 2005 | 1,318 | 0 | 1,318 | 1,318 | 0 |
| 2006 | 389 | 0 | 389 | 389 | 0 |
| 2007 | 755 | 0 | 755 | 755 | 0 |
| 2008 | 874 | 0 | 874 | 874 | 0 |
| 2009 | 1,245 | 0 | 1,245 | 1,245 | 0 |
| 2010 | 514 | 18 | 532 | 532 | 18 |
| 2011 | 852 | 18 | 871 | 871 | 18 |
| 2012 | 917 | 7 | 924 | 925 | 8 |
| 2013 | 925 | 80 | 1,005 | 1,005 | 80 |
| 2014 | 1,237 | 60 | 1,297 | 1,303 | 66 |
| 2015 | 952 | 143 | 1,095 | 1,233 | 281 |
| 2016 | 568 | 179 | 747 | 960 | 393 |
| 2017 | 333 | 657 | 990 | 1,281 | 948 |
| 2018 | 64 | 195 | 259 | 508 | 444 |
| TOTAL | \$17,000 | \$1,357 | \$18,357 | \$19,256 | \$2,257 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VIII, Page 1, Column (7) , based on case reserves.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
AUTOMOBILE LIABILITY
City of Jacksonville - Sheriff Claims
(\$AMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED ULTIMATE LOSSES | RETENTION | VEHICLE COUNT | LOSS RATE |
|--------------------------------------|--------------------------|-----------|---------------|-----------|
| | (1) | (2) | (3) | (4) |
| 1994 | \$594 | \$1,000 | N/A | N/A |
| 1995 | 716 | 1,000 | N/A | N/A |
| 1996 | 666 | 1,000 | 1,311 | 0.5083 |
| 1997 | 542 | 1,000 | 1,300 | 0.4165 |
| 1998 | 391 | 1,000 | 1,641 | 0.2386 |
| 1999 | 764 | 1,000 | 1,700 | 0.4493 |
| 2000 | 407 | 1,000 | 1,824 | 0.2232 |
| 2001 | 518 | 1,000 | 1,737 | 0.2984 |
| 2002 | 458 | 1,000 | 1,699 | 0.2697 |
| 2003 | 468 | 1,200 | 1,727 | 0.2709 |
| 2004 | 532 | 1,200 | 1,689 | 0.3153 |
| 2005 | 1,318 | 1,200 | 1,833 | 0.7192 |
| 2006 | 389 | 1,200 | 1,944 | 0.2003 |
| 2007 | 755 | 1,200 | 2,005 | 0.3766 |
| 2008 | 874 | 1,200 | 1,955 | 0.4469 |
| 2009 | 1,245 | 1,200 | 1,981 | 0.6283 |
| 2010 | 532 | 1,200 | 1,915 | 0.2780 |
| 2011 | 871 | 1,200 | 1,959 | 0.4444 |
| 2012 | 925 | 1,200 | 1,760 | 0.5254 |
| 2013 | 1,005 | 1,200 | 1,870 | 0.5375 |
| 2014 | 1,303 | 1,500 | 2,000 | 0.6514 |
| 2015 | 1,233 | 1,500 | 2,000 | 0.6164 |
| 2016 | 960 | 1,500 | 2,000 | 0.4801 |
| 2017 | 1,281 | 1,500 | 2,000 | 0.6405 |
| 2018 | 508 | 1,500 | 1,000 | 0.5080 |
| <i>(PROJ.) 4/1/2018 to 9/30/2018</i> | \$543 | 1,500 | 1,000 | 0.5429 |
| <i>(PROJ.) 2018/2019</i> | 1,130 | 1,500 | 2,040 | 0.5537 |
| <i>(PROJ.) 2019/2020</i> | 1,175 | 1,500 | 2,081 | 0.5648 |
| <i>(PROJ.) 2020/2021</i> | 1,223 | 1,500 | 2,122 | 0.5761 |
| <i>(PROJ.) 2021/2022</i> | 1,272 | 1,500 | 2,165 | 0.5876 |
| <i>(PROJ.) 2022/2023</i> | 1,324 | 1,500 | 2,208 | 0.5994 |

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEARS* | 55% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (9) | (10) |
| 4/1/2018 to 9/30/2018 | \$543 | \$628 | \$661 | \$698 | \$745 | \$812 |
| 2018/2019 | 1,130 | 1,307 | 1,375 | 1,452 | 1,549 | 1,690 |
| 2019/2020 | 1,175 | 1,359 | 1,430 | 1,510 | 1,611 | 1,758 |
| 2020/2021 | 1,223 | 1,414 | 1,488 | 1,571 | 1,677 | 1,830 |
| 2021/2022 | 1,272 | 1,471 | 1,548 | 1,634 | 1,744 | 1,903 |
| 2022/2023 | 1,324 | 1,531 | 1,611 | 1,701 | 1,815 | 1,981 |

Notes:

(1) - Exhibit VIII-B, Page 3, Column (4). For the projection years (1) = (3) x (4).

(2) & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) / (3). For the projected year, it is the average of prior years.

(5) = Projected losses in Column (1).

(6) to (10) - Based on Monte Carlo Simulation Approach.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
AUTOMOBILE LIABILITY
City of Jacksonville - Sheriff Claims
(\$AMTS IN THOUSANDS)

| | |
|---|----------------|
| 1. Estimated net undiscounted reserves at 9/30/2017 | \$2,098 |
| 2. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 9/30/2017 and prior. | (\$489) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018 | \$204 |
| 4. Estimated ultimate losses for the period 10/1/2017- 3/31/2018. | \$508 |
| 5. Loss payments during 10/1/2017 -3/31/2018 for the accident period 10/1/2017 - 3/31/2018. | (\$64) |
| 6. Estimated net undiscounted reserves at 3/31/2018 | \$2,257 |

Notes:

- (1) - Per Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VIII-B, Page 3C, Column (3).
- (3) - Total from Exhibit VIII-B, Page 3B, Column (3).
- (4) - See Exhibit VIII-B, Page 1 of 3, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
AUTOMOBILE LIABILITY
City of Jacksonville - Sheriff Claims
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | \$716 | \$716 | \$0 |
| 1996 | 666 | 666 | 0 |
| 1997 | 542 | 542 | 0 |
| 1998 | 391 | 391 | 0 |
| 1999 | 764 | 764 | 0 |
| 2000 | 407 | 407 | 0 |
| 2001 | 518 | 518 | 0 |
| 2002 | 458 | 458 | 0 |
| 2003 | 468 | 468 | 0 |
| 2004 | 532 | 532 | 0 |
| 2005 | 1,318 | 1,318 | 0 |
| 2006 | 389 | 389 | 0 |
| 2007 | 755 | 755 | 0 |
| 2008 | 874 | 874 | 0 |
| 2009 | 1,245 | 1,245 | 0 |
| 2010 | 532 | 532 | 0 |
| 2011 | 871 | 871 | 0 |
| 2012 | 965 | 925 | (40) |
| 2013 | 858 | 1,005 | 147 |
| 2014 | 1,320 | 1,303 | (17) |
| 2015 | 1,264 | 1,233 | (31) |
| 2016 | 936 | 960 | 24 |
| 2017 | 1,161 | 1,281 | 120 |
| TOTAL | \$17,950 | \$18,154 | 204 |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VIII-B, Page 1 of 3, Column (4).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
AUTOMOBILE LIABILITY
City of Jacksonville - Sheriff Claims
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|-----------------|-----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | \$716 | \$716 | \$0 |
| 1996 | 666 | 666 | 0 |
| 1997 | 542 | 542 | 0 |
| 1998 | 391 | 391 | 0 |
| 1999 | 764 | 764 | 0 |
| 2000 | 407 | 407 | 0 |
| 2001 | 518 | 518 | 0 |
| 2002 | 458 | 458 | 0 |
| 2003 | 468 | 468 | 0 |
| 2004 | 532 | 532 | 0 |
| 2005 | 1,318 | 1,318 | 0 |
| 2006 | 389 | 389 | 0 |
| 2007 | 755 | 755 | 0 |
| 2008 | 874 | 874 | 0 |
| 2009 | 1,245 | 1,245 | 0 |
| 2010 | 514 | 514 | 0 |
| 2011 | 852 | 852 | 0 |
| 2012 | 918 | 917 | (1) |
| 2013 | 790 | 925 | 134 |
| 2014 | 1,237 | 1,237 | 0 |
| 2015 | 895 | 952 | 57 |
| 2016 | 441 | 568 | 127 |
| 2017 | 162 | 333 | 171 |
| TOTAL | \$15,852 | \$16,341 | 489 |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VIII-B, Page 1 of 3, Column (1).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 'AS OF MARCH 31, 2018
CALCULATION OF TOTAL RESERVES
AUTOMOBILE LIABILITY
 City of Jacksonville - Fire Claims
 (\$AMTS IN THOUSANDS)
 LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @3/31/2018 | CASE RESERVES @3/31/2018 | INCURRED LOSSES @3/31/2018 | SELECTED ULTIMATE LOSSES | LOSS RESERVES @3/31/2018 |
|-----------------|------------------------|--------------------------|----------------------------|--------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) |
| 1994 | \$69 | \$0 | \$69 | \$69 | \$0 |
| 1995 | 73 | 0 | 73 | 73 | 0 |
| 1996 | 92 | 0 | 92 | 92 | 0 |
| 1997 | 119 | 0 | 119 | 119 | 0 |
| 1998 | 220 | 0 | 220 | 220 | 0 |
| 1999 | 180 | 0 | 180 | 180 | 0 |
| 2000 | 107 | 0 | 107 | 107 | 0 |
| 2001 | 348 | 0 | 348 | 348 | 0 |
| 2002 | 341 | 0 | 341 | 341 | 0 |
| 2003 | 100 | 0 | 100 | 100 | 0 |
| 2004 | 211 | 0 | 211 | 211 | 0 |
| 2005 | 286 | 0 | 286 | 286 | 0 |
| 2006 | 245 | 0 | 245 | 245 | 0 |
| 2007 | 41 | 0 | 41 | 41 | 0 |
| 2008 | 230 | 15 | 245 | 245 | 15 |
| 2009 | 380 | 0 | 380 | 380 | 0 |
| 2010 | 236 | 0 | 236 | 236 | 0 |
| 2011 | 129 | 0 | 129 | 129 | 0 |
| 2012 | 75 | 0 | 75 | 75 | 0 |
| 2013 | 122 | 0 | 122 | 122 | 0 |
| 2014 | 235 | 18 | 253 | 255 | 20 |
| 2015 | 488 | 12 | 500 | 512 | 24 |
| 2016 | 113 | 69 | 182 | 264 | 151 |
| 2017 | 97 | 198 | 296 | 384 | 287 |
| 2018 | 12 | 18 | 30 | 53 | 41 |
| TOTAL | \$4,549 | \$330 | \$4,879 | \$5,086 | \$537 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VIII, Page 1, Column (7) , based on case reserves.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
'AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
AUTOMOBILE LIABILITY
City of Jacksonville - Fire Claims
(\$AMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED ULTIMATE LOSSES | RETENTION | VEHICLE COUNT | LOSS RATE |
|--------------------------------------|--------------------------|-----------|---------------|-----------|
| | (1) | (2) | (3) | (4) |
| 1994 | \$69 | \$1,000 | N/A | N/A |
| 1995 | 73 | 1,000 | N/A | N/A |
| 1996 | 92 | 1,000 | 229 | 0.4017 |
| 1997 | 119 | 1,000 | 228 | 0.5220 |
| 1998 | 220 | 1,000 | 287 | 0.7668 |
| 1999 | 180 | 1,000 | 298 | 0.6049 |
| 2000 | 107 | 1,000 | 319 | 0.3345 |
| 2001 | 348 | 1,000 | 304 | 1.1460 |
| 2002 | 341 | 1,000 | 297 | 1.1471 |
| 2003 | 100 | 1,200 | 302 | 0.3315 |
| 2004 | 211 | 1,200 | 296 | 0.7156 |
| 2005 | 286 | 1,200 | 321 | 0.8922 |
| 2006 | 245 | 1,200 | 340 | 0.7197 |
| 2007 | 41 | 1,200 | 351 | 0.1158 |
| 2008 | 245 | 1,200 | 342 | 0.7154 |
| 2009 | 380 | 1,200 | 347 | 1.0950 |
| 2010 | 236 | 1,200 | 335 | 0.7027 |
| 2011 | 129 | 1,200 | 343 | 0.3768 |
| 2012 | 75 | 1,200 | 308 | 0.2421 |
| 2013 | 122 | 1,200 | 327 | 0.3733 |
| 2014 | 255 | 1,500 | 350 | 0.7289 |
| 2015 | 512 | 1,500 | 350 | 1.4620 |
| 2016 | 264 | 1,500 | 350 | 0.7535 |
| 2017 | 384 | 1,500 | 350 | 1.0965 |
| 2018 | 53 | 1,500 | 175 | 0.3043 |
| <i>(PROJ.) 4/1/2018 to 9/30/2018</i> | \$126 | \$1,500 | 175 | 0.7181 |
| <i>(PROJ.) 2018/2019</i> | 261 | 1,500 | 357 | 0.7324 |
| <i>(PROJ.) 2019/2020</i> | 272 | 1,500 | 364 | 0.7471 |
| <i>(PROJ.) 2020/2021</i> | 283 | 1,500 | 371 | 0.7620 |
| <i>(PROJ.) 2021/2022</i> | 294 | 1,500 | 379 | 0.7773 |
| <i>(PROJ.) 2022/2023</i> | 306 | 1,500 | 386 | 0.7928 |

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEARS* | 55% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (9) | (10) |
| 4/1/2018 to 9/30/2018 | \$126 | \$146 | \$153 | \$162 | \$173 | \$188 |
| 2018/2019 | 261 | 302 | 318 | 335 | 358 | 390 |
| 2019/2020 | 272 | 315 | 331 | 349 | 373 | 407 |
| 2020/2021 | 283 | 327 | 344 | 364 | 388 | 423 |
| 2021/2022 | 294 | 340 | 358 | 378 | 403 | 440 |
| 2022/2023 | 306 | 354 | 372 | 393 | 420 | 458 |

Notes:

(1) - Exhibit VIII-C, Page 5, Column (4). For the projection years (1) = (3) x (4).

(2) & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) / (3). For the projected year, it is the average of prior years.

(5) = Projected losses in Column (1).

(6) to (10) - Based on Monte Carlo Simulation Approach.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
'AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
AUTOMOBILE LIABILITY
City of Jacksonville - Fire Claims
(\$AMTS IN THOUSANDS)

| | |
|--|---------------|
| 1. Estimated net undiscounted reserves at 9/30/2017. | \$431 |
| 2. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 9/30/2017 and prior. | (\$79) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018. | \$144 |
| 4. Estimated ultimate losses for the period 10/1/2017 - 3/31/2018. | \$53 |
| 5. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 10/1/2017 - 3/31/2018. | (\$12) |
| 6. Estimated net undiscounted reserves at 3/31/2018. | \$537 |

Notes:

- (1) - Per Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VIII-C, Page 3C, Column (3).
- (3) - Total from Exhibit VIII-C, Page 3B, Column (3).
- (4) - See Exhibit VIII-C, Page 1 of 3, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 'AS OF MARCH 31, 2018
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
AUTOMOBILE LIABILITY
City of Jacksonville - Fire Claims
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | \$73 | \$73 | \$0 |
| 1996 | 92 | 92 | 0 |
| 1997 | 119 | 119 | 0 |
| 1998 | 220 | 220 | 0 |
| 1999 | 180 | 180 | 0 |
| 2000 | 107 | 107 | 0 |
| 2001 | 348 | 348 | 0 |
| 2002 | 341 | 341 | 0 |
| 2003 | 100 | 100 | 0 |
| 2004 | 211 | 211 | 0 |
| 2005 | 286 | 286 | 0 |
| 2006 | 245 | 245 | 0 |
| 2007 | 41 | 41 | 0 |
| 2008 | 245 | 245 | 0 |
| 2009 | 380 | 380 | 0 |
| 2010 | 236 | 236 | 0 |
| 2011 | 129 | 129 | 0 |
| 2012 | 75 | 75 | 0 |
| 2013 | 122 | 122 | 0 |
| 2014 | 257 | 255 | (1) |
| 2015 | 497 | 512 | 15 |
| 2016 | 241 | 264 | 22 |
| 2017 | 276 | 384 | 108 |
| TOTAL | \$4,820 | \$4,963 | 144 |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VIII-C, Page 1 of 3, Column (4).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 'AS OF MARCH 31, 2018
 COMPARISON OF PAID LOSSES
 AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
 AUTOMOBILE LIABILITY
 City of Jacksonville - Fire Claims
 (\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|----------------|----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | \$73 | \$73 | \$0 |
| 1996 | 92 | 92 | 0 |
| 1997 | 119 | 119 | 0 |
| 1998 | 220 | 220 | 0 |
| 1999 | 180 | 180 | 0 |
| 2000 | 107 | 107 | 0 |
| 2001 | 348 | 348 | 0 |
| 2002 | 341 | 341 | 0 |
| 2003 | 100 | 100 | 0 |
| 2004 | 211 | 211 | 0 |
| 2005 | 286 | 286 | 0 |
| 2006 | 245 | 245 | 0 |
| 2007 | 41 | 41 | 0 |
| 2008 | 230 | 230 | 0 |
| 2009 | 380 | 380 | 0 |
| 2010 | 236 | 236 | 0 |
| 2011 | 129 | 129 | 0 |
| 2012 | 75 | 75 | 0 |
| 2013 | 122 | 122 | 0 |
| 2014 | 234 | 235 | 1 |
| 2015 | 474 | 488 | 14 |
| 2016 | 92 | 113 | 21 |
| 2017 | 54 | 97 | 43 |
| TOTAL | \$4,389 | \$4,468 | 79 |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VIII-C, Page 1 of 3, Column (1).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF TOTAL RESERVES
AUTOMOBILE LIABILITY
Jacksonville Electric Authority
(\$AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @3/31/2018 | CASE RESERVES @3/31/2018 | INCURRED LOSSES @3/31/2018 | SELECTED ULTIMATE @3/31/2018 | LOSS RESERVES @3/31/2018 |
|-----------------|------------------------|--------------------------|----------------------------|------------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) |
| 1994 | \$40 | \$0 | \$40 | \$40 | \$0 |
| 1995 | 61 | 0 | 61 | 61 | 0 |
| 1996 | 76 | 0 | 76 | 76 | 0 |
| 1997 | 100 | 0 | 100 | 100 | 0 |
| 1998 | 116 | 0 | 116 | 116 | 0 |
| 1999 | 196 | 0 | 196 | 196 | 0 |
| 2000 | 291 | 0 | 291 | 291 | 0 |
| 2001 | 152 | 0 | 152 | 152 | 0 |
| 2002 | 243 | 0 | 243 | 243 | 0 |
| 2003 | 94 | 0 | 94 | 94 | 0 |
| 2004 | 271 | 0 | 271 | 271 | 0 |
| 2005 | 192 | 0 | 192 | 192 | 0 |
| 2006 | 269 | 0 | 269 | 269 | 0 |
| 2007 | 128 | 0 | 128 | 128 | 0 |
| 2008 | 334 | 0 | 334 | 334 | 0 |
| 2009 | 91 | 0 | 91 | 91 | 0 |
| 2010 | 310 | 0 | 310 | 310 | 0 |
| 2011 | 281 | 0 | 281 | 281 | 0 |
| 2012 | 421 | 0 | 421 | 421 | 0 |
| 2013 | 174 | 0 | 174 | 174 | 0 |
| 2014 | 564 | 55 | 619 | 625 | 60 |
| 2015 | 96 | 0 | 96 | 96 | 0 |
| 2016 | 179 | 38 | 217 | 262 | 83 |
| 2017 | 111 | 142 | 253 | 316 | 205 |
| 2018 | 56 | 143 | 199 | 382 | 326 |
| TOTAL | \$4,846 | \$377 | \$5,223 | \$5,520 | \$674 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VIII, Page 1, Column (7) , based on case reserves.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
AUTOMOBILE LIABILITY
Jacksonville Electric Authority
(\$AMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED ULTIMATE LOSSES | RETENTION | VEHICLE COUNT | LOSS RATE |
|--------------------------------------|--------------------------|-----------|---------------|-----------|
| | (1) | (2) | (3) | (4) |
| 1994 | 40 | \$1,000 | 740 | 0.0535 |
| 1995 | 61 | 1,000 | N/A | N/A |
| 1996 | 76 | 1,000 | 653 | 0.1160 |
| 1997 | 100 | 1,000 | 642 | 0.1558 |
| 1998 | 116 | 1,000 | 763 | 0.1526 |
| 1999 | 196 | 1,000 | 805 | 0.2438 |
| 2000 | 291 | 1,000 | 795 | 0.3655 |
| 2001 | 152 | 1,000 | 772 | 0.1974 |
| 2002 | 243 | 1,000 | 743 | 0.3265 |
| 2003 | 94 | 1,200 | 773 | 0.1217 |
| 2004 | 271 | 1,200 | 765 | 0.3543 |
| 2005 | 192 | 1,200 | 667 | 0.2878 |
| 2006 | 269 | 1,200 | 731 | 0.3682 |
| 2007 | 128 | 1,200 | 829 | 0.1549 |
| 2008 | 334 | 1,200 | 855 | 0.3901 |
| 2009 | 91 | 1,200 | 849 | 0.1076 |
| 2010 | 310 | 1,200 | 814 | 0.3810 |
| 2011 | 281 | 1,200 | 744 | 0.3781 |
| 2012 | 421 | 1,200 | 822 | 0.5125 |
| 2013 | 174 | 1,200 | 789 | 0.2201 |
| 2014 | 625 | 1,500 | 727 | 0.8592 |
| 2015 | 96 | 1,500 | 727 | 0.1315 |
| 2016 | 262 | 1,500 | 706 | 0.3707 |
| 2017 | 316 | 1,500 | 703 | 0.4495 |
| 2018 | 382 | 1,500 | 352 | 1.0871 |
| <i>(PROJ.) 4/1/2018 to 9/30/2018</i> | \$223 | 1,500 | 352 | 0.6358 |
| <i>(PROJ.) 2018/2019</i> | 465 | 1,500 | 717 | 0.6485 |
| <i>(PROJ.) 2019/2020</i> | 484 | 1,500 | 731 | 0.6614 |
| <i>(PROJ.) 2020/2021</i> | 503 | 1,500 | 746 | 0.6747 |
| <i>(PROJ.) 2021/2022</i> | 524 | 1,500 | 761 | 0.6882 |
| <i>(PROJ.) 2022/2023</i> | 545 | 1,500 | 776 | 0.7019 |

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEARS* | 55% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (9) | (10) |
| 4/1/2018 to 9/30/2018 | \$223 | \$258 | \$271 | \$286 | \$306 | \$334 |
| 2018/2019 | 465 | 538 | 566 | 597 | 638 | 696 |
| 2019/2020 | 484 | 560 | 589 | 622 | 664 | 724 |
| 2020/2021 | 503 | 582 | 612 | 646 | 690 | 752 |
| 2021/2022 | 524 | 606 | 638 | 673 | 719 | 784 |
| 2022/2023 | 545 | 630 | 663 | 700 | 747 | 815 |

Notes:

- (1) - Exhibit VIII-D, Page 1, Column (4). For the projection years (1) = (3) x (4).
- (2) & (3) - Per CITY OF JACKSONVILLE.
- (4) = (1) / (3). For the projected year, it is the average of prior years.
- (5) = Projected losses in Column (1).
- (6) to (10) - Based on Monte Carlo Simulation Approach.
- *Accident years are 12-month periods ending 9/30 of the stated year.
- *Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
AUTOMOBILE LIABILITY
Jacksonville Electric Authority
(\$AMTS IN THOUSANDS)

| | |
|---|---------------|
| 1. Estimated net undiscounted reserves at 9/30/2017 | \$412 |
| 2. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 9/30/2017 and prior. | (\$47) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018 | (\$17) |
| 4. Estimated ultimate losses for accident year 2018. | \$382 |
| 5. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 10/1/2017 - 3/31/2018. | (\$56) |
| 6. Estimated net undiscounted reserves at 3/31/2018 | \$674 |

Notes:

- (1) - Per AMI Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VIII-D, Page 3C of 3, Column (3).
- (3) - Total from Exhibit VIII-D, Page 3B of 3, Column (3).
- (4) - See Exhibit VIII-D, Page 1 of 3, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
AUTOMOBILE LIABILITY
Jacksonville Electric Authority
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | \$61 | \$61 | \$0 |
| 1996 | 76 | 76 | 0 |
| 1997 | 100 | 100 | 0 |
| 1998 | 116 | 116 | 0 |
| 1999 | 196 | 196 | 0 |
| 2000 | 291 | 291 | 0 |
| 2001 | 152 | 152 | 0 |
| 2002 | 243 | 243 | 0 |
| 2003 | 94 | 94 | 0 |
| 2004 | 271 | 271 | 0 |
| 2005 | 192 | 192 | 0 |
| 2006 | 269 | 269 | 0 |
| 2007 | 128 | 128 | 0 |
| 2008 | 334 | 334 | 0 |
| 2009 | 91 | 91 | 0 |
| 2010 | 310 | 310 | 0 |
| 2011 | 281 | 281 | 0 |
| 2012 | 421 | 421 | 0 |
| 2013 | 174 | 174 | 0 |
| 2014 | 598 | 625 | 26 |
| 2015 | 118 | 96 | (22) |
| 2016 | 258 | 262 | 4 |
| 2017 | 342 | 316 | (25) |
| TOTAL | \$5,116 | \$5,099 | (17) |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VIII-D, Page 1 of 3, Column (4).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
AUTOMOBILE LIABILITY
Jacksonville Electric Authority
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|----------------|----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | \$61 | \$61 | \$0 |
| 1996 | 76 | 76 | 0 |
| 1997 | 100 | 100 | 0 |
| 1998 | 116 | 116 | 0 |
| 1999 | 196 | 196 | 0 |
| 2000 | 291 | 291 | 0 |
| 2001 | 152 | 152 | 0 |
| 2002 | 243 | 243 | 0 |
| 2003 | 94 | 94 | 0 |
| 2004 | 271 | 271 | 0 |
| 2005 | 192 | 192 | 0 |
| 2006 | 269 | 269 | 0 |
| 2007 | 128 | 128 | 0 |
| 2008 | 334 | 334 | 0 |
| 2009 | 91 | 91 | 0 |
| 2010 | 310 | 310 | 0 |
| 2011 | 281 | 281 | 0 |
| 2012 | 421 | 421 | 0 |
| 2013 | 174 | 174 | 0 |
| 2014 | 563 | 564 | 2 |
| 2015 | 91 | 96 | 4 |
| 2016 | 181 | 179 | (3) |
| 2017 | 68 | 111 | 44 |
| TOTAL | \$4,704 | \$4,751 | 47 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VIII-D, Page 1 of 3, Column (1).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
'AS OF MARCH 31, 2018
CALCULATION OF TOTAL RESERVES
AUTOMOBILE LIABILITY
Jacksonville Electric Authority-Water and Sewer
(\$AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @3/31/2018 | CASE RESERVES @3/31/2018 | INCURRED LOSSES @3/31/2018 | SELECTED ULTIMATE LOSSES | LOSS RESERVES @3/31/2018 |
|--------------------|------------------------------|--------------------------------|----------------------------------|--------------------------------|--------------------------------|
| | (1) | (2) | (3) | (4) | (5) |
| 1994 | \$34 | \$0 | \$34 | \$34 | \$0 |
| 1995 | 23 | 0 | 23 | 23 | 0 |
| 1996 | 68 | 0 | 68 | 68 | 0 |
| 1997 | 102 | 0 | 102 | 102 | 0 |
| 1998 | 45 | 0 | 45 | 45 | 0 |
| 1999 | 38 | 0 | 38 | 38 | 0 |
| 2000 | 44 | 0 | 44 | 44 | 0 |
| 2001 | 359 | 0 | 359 | 359 | 0 |
| 2002 | 109 | 0 | 109 | 109 | 0 |
| 2003 | 89 | 0 | 89 | 89 | 0 |
| 2004 | 20 | 0 | 20 | 20 | 0 |
| 2005 | 47 | 0 | 47 | 47 | 0 |
| 2006 | 31 | 0 | 31 | 31 | 0 |
| 2007 | 27 | 0 | 27 | 27 | 0 |
| 2008 | 29 | 0 | 29 | 29 | 0 |
| 2009 | 0 | 0 | 0 | 0 | 0 |
| 2010 | 0 | 0 | 0 | 0 | 0 |
| 2011 | 0 | 0 | 0 | 0 | 0 |
| 2012 | 0 | 0 | 0 | 0 | 0 |
| 2013 | 3 | 0 | 3 | 3 | 0 |
| 2014 | 0 | 0 | 0 | 0 | 0 |
| 2015 | 1 | 0 | 1 | 1 | 0 |
| 2016 | 0 | 0 | 0 | 0 | 0 |
| 2017 | 0 | 0 | 0 | 0 | 0 |
| 2018 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | \$1,069 | \$0 | \$1,069 | \$1,069 | \$0 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VIII, Page 1, Column (7) , based on case reserves.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2017 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
'AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
AUTOMOBILE LIABILITY
Jacksonville Electric Authority-Water and Sewer
(\$AMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED ULTIMATE LOSSES | RETENTION | VEHICLE COUNT | LOSS RATE |
|--------------------------------------|--------------------------|-----------|---------------|-----------|
| | (1) | (2) | (3) | (4) |
| 1994 | 34 | \$1,000 | N/A | N/A |
| 1995 | 23 | 1,000 | N/A | N/A |
| 1996 | 68 | 1,000 | 307 | 0.2209 |
| 1997 | 102 | 1,000 | 310 | 0.3294 |
| 1998 | 45 | 1,000 | 408 | 0.1101 |
| 1999 | 38 | 1,000 | 404 | 0.0941 |
| 2000 | 44 | 1,000 | 392 | 0.1120 |
| 2001 | 359 | 1,000 | 413 | 0.8702 |
| 2002 | 109 | 1,000 | 428 | 0.2540 |
| 2003 | 89 | 1,200 | 444 | 0.2002 |
| 2004 | 20 | 1,200 | 445 | 0.0455 |
| 2005 | 47 | 1,200 | 527 | 0.0894 |
| 2006 | 31 | 1,200 | 525 | 0.0599 |
| 2007 | 27 | 1,200 | 396 | 0.0688 |
| 2008 | 29 | 1,200 | 372 | 0.0776 |
| 2009 | 0 | 1,200 | 346 | 0.0000 |
| 2010 | 0 | 1,200 | 349 | 0.0000 |
| 2011 | 0 | 1,200 | 370 | 0.0000 |
| 2012 | 0 | 1,200 | 351 | 0.0000 |
| 2013 | 3 | 1,200 | 333 | 0.0089 |
| 2014 | 0 | 1,500 | 395 | 0.0000 |
| 2015 | 1 | 1,500 | 395 | 0.0020 |
| 2016 | 0 | 1,500 | 546 | 0.0002 |
| 2017 | 0 | 1,500 | 551 | 0.0000 |
| 2018 | 0 | 1,500 | 276 | 0.0000 |
| (PROJ.) 4/1/2018 to 9/30/2018 | | | | |
| | \$0 | 1,500 | 276 | 0.0006 |
| (PROJ.) 2018/2019 | | | | |
| | 0 | 1,500 | 562 | 0.0006 |
| (PROJ.) 2019/2020 | | | | |
| | 0 | 1,500 | 573 | 0.0006 |
| (PROJ.) 2020/2021 | | | | |
| | 0 | 1,500 | 585 | 0.0006 |
| (PROJ.) 2021/2022 | | | | |
| | 0 | 1,500 | 596 | 0.0006 |
| (PROJ.) 2022/2023 | | | | |
| | 0 | 1,500 | 608 | 0.0006 |

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEARS* | 55% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (9) | (10) |
| 4/1/2018 to 9/30/2018 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 2018/2019 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019/2020 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020/2021 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2021/2022 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2022/2023 | 0 | 0 | 0 | 0 | 0 | 0 |

Notes:

(1) - Exhibit VIII-E, Page 1, Column (4). For the projection years (1) = (3) x (4).

(2) & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) / (3). For the projected year, it is the average of prior years.

(5) = Projected losses in Column (1).

(6) to (10) - Based on Monte Carlo Simulation Approach.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2017 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
'AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
AUTOMOBILE LIABILITY
Jacksonville Electric Authority-Water and Sewer
(\$AMTS IN THOUSANDS)

| | |
|---|------------|
| 1. Estimated net undiscounted reserves at 9/30/2017 | \$0 |
| 2. Loss payments during 10/1/2017 -3/31/2018 for the accident period 9/30/2017 and prior. | \$0 |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018 | \$0 |
| 4. Estimated ultimate losses for the period 10/1/2017-3/31/2018. | \$0 |
| 5. Loss payments during 10/1/2017 -3/31/2018 for the accident period 10/1/2017 -3/31/2018. | \$0 |
| 6. Estimated net undiscounted reserves at 3/31/2018 | \$0 |

Notes:

- (1) - Per AMI Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VIII-E, Page 3, Column (3).
- (3) - Total from Exhibit VIII-E, Page 3B, Column (3).
- (4) - See Exhibit VIII-E, Page 1 of 3, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
 'AS OF MARCH 31, 2018
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
AUTOMOBILE LIABILITY
Jacksonville Electric Authority-Water and Sewer
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | \$23 | \$23 | \$0 |
| 1996 | 68 | 68 | 0 |
| 1997 | 102 | 102 | 0 |
| 1998 | 45 | 45 | 0 |
| 1999 | 38 | 38 | 0 |
| 2000 | 44 | 44 | 0 |
| 2001 | 359 | 359 | 0 |
| 2002 | 109 | 109 | 0 |
| 2003 | 89 | 89 | 0 |
| 2004 | 20 | 20 | 0 |
| 2005 | 47 | 47 | 0 |
| 2006 | 31 | 31 | 0 |
| 2007 | 27 | 27 | 0 |
| 2008 | 29 | 29 | 0 |
| 2009 | 0 | 0 | 0 |
| 2010 | 0 | 0 | 0 |
| 2011 | 0 | 0 | 0 |
| 2012 | 0 | 0 | 0 |
| 2013 | 3 | 3 | 0 |
| 2014 | 0 | 0 | 0 |
| 2015 | 1 | 1 | 0 |
| 2016 | 0 | 0 | 0 |
| 2017 | 0 | 0 | 0 |
| TOTAL | \$1,035 | \$1,035 | 0 |

Notes:

(1) - Per AMI Actuarial Study as of September 30, 2017.

(2) - Exhibit VIII-E, Page 1 of 3, Column (4).

(3) = (2) - (1).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
'AS OF MARCH 31, 2018
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
AUTOMOBILE LIABILITY
Jacksonville Electric Authority-Water and Sewer
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|----------------|----------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | \$23 | \$23 | \$0 |
| 1996 | 68 | 68 | 0 |
| 1997 | 102 | 102 | 0 |
| 1998 | 45 | 45 | 0 |
| 1999 | 38 | 38 | 0 |
| 2000 | 44 | 44 | 0 |
| 2001 | 359 | 359 | 0 |
| 2002 | 109 | 109 | 0 |
| 2003 | 89 | 89 | 0 |
| 2004 | 20 | 20 | 0 |
| 2005 | 47 | 47 | 0 |
| 2006 | 31 | 31 | 0 |
| 2007 | 27 | 27 | 0 |
| 2008 | 29 | 29 | 0 |
| 2009 | 0 | 0 | 0 |
| 2010 | 0 | 0 | 0 |
| 2011 | 0 | 0 | 0 |
| 2012 | 0 | 0 | 0 |
| 2013 | 3 | 3 | 0 |
| 2014 | 0 | 0 | 0 |
| 2015 | 1 | 1 | 0 |
| 2016 | 0 | 0 | 0 |
| 2017 | 0 | 0 | 0 |
| TOTAL | \$1,035 | \$1,035 | 0 |

Notes:

- (1) - Per AMI Actuarial Study as of September 30, 2017.
- (2) - Exhibit VIII-E, Page 1 of 3, Column (1).
- (3) = (2) - (1).
- *Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF TOTAL RESERVES
AUTOMOBILE LIABILITY
Jacksonville Housing Authority
(\$AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @3/31/2018 | CASE RESERVES @3/31/2018 | INCURRED LOSSES @3/31/2018 | SELECTED ULTIMATE LOSSES | LOSS RESERVES @3/31/2018 |
|-----------------|------------------------|--------------------------|----------------------------|--------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) |
| 1994 | \$2 | \$0 | \$2 | \$2 | \$0 |
| 1995 | 4 | 0 | 4 | 4 | 0 |
| 1996 | 11 | 0 | 11 | 11 | 0 |
| 1997 | 0 | 0 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 6 | 0 | 6 | 6 | 0 |
| 2002 | 147 | 0 | 147 | 147 | 0 |
| 2003 | 7 | 0 | 7 | 7 | 0 |
| 2004 | 23 | 0 | 23 | 23 | 0 |
| 2005 | 24 | 0 | 24 | 24 | 0 |
| 2006 | 0 | 0 | 0 | 0 | 0 |
| 2007 | 4 | 0 | 4 | 4 | 0 |
| 2008 | 38 | 0 | 38 | 38 | 0 |
| 2009 | 0 | 0 | 0 | 0 | 0 |
| 2010 | 0 | 0 | 0 | 0 | 0 |
| 2011 | 11 | 0 | 11 | 11 | 0 |
| 2012 | 65 | 0 | 65 | 65 | 0 |
| 2013 | 0 | 0 | 0 | 0 | 0 |
| 2014 | 18 | 0 | 18 | 18 | 0 |
| 2015 | 2 | 0 | 2 | 2 | 0 |
| 2016 | 1 | 0 | 1 | 1 | 0 |
| 2017 | 4 | 23 | 27 | 37 | 33 |
| 2018 | 5 | 0 | 5 | 5 | 0 |
| TOTAL | \$372 | \$23 | \$395 | \$405 | \$33 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VIII, Page 1, Column (7) , based on case reserves.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2017 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
AUTOMOBILE LIABILITY
Jacksonville Housing Authority
(\$AMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED ULTIMATE LOSSES | RETENTION | VEHICLE COUNT | LOSS RATE |
|--------------------------------------|--------------------------|-----------|---------------|-----------|
| | (1) | (2) | (3) | (4) |
| 1994 | \$2 | \$1,000 | N/A | N/A |
| 1995 | 4 | 1,000 | N/A | N/A |
| 1996 | 11 | 1,000 | 57 | 0.1854 |
| 1997 | 0 | 1,000 | 58 | 0.0000 |
| 1998 | 0 | 1,000 | 58 | 0.0000 |
| 1999 | 0 | 1,000 | 55 | 0.0067 |
| 2000 | 0 | 1,000 | 54 | 0.0000 |
| 2001 | 6 | 1,000 | 55 | 0.1050 |
| 2002 | 147 | 1,000 | 58 | 2.5341 |
| 2003 | 7 | 1,200 | 67 | 0.1119 |
| 2004 | 23 | 1,200 | 65 | 0.3579 |
| 2005 | 24 | 1,200 | 63 | 0.3887 |
| 2006 | 0 | 1,200 | 71 | 0.0000 |
| 2007 | 4 | 1,200 | 75 | 0.0489 |
| 2008 | 38 | 1,200 | 69 | 0.5446 |
| 2009 | 0 | 1,200 | 49 | 0.0000 |
| 2010 | 0 | 1,200 | 59 | 0.0000 |
| 2011 | 11 | 1,200 | 47 | 0.2325 |
| 2012 | 65 | 1,200 | 59 | 1.1031 |
| 2013 | 0 | 1,200 | 43 | 0.0000 |
| 2014 | 18 | 1,500 | 42 | 0.4346 |
| 2015 | 2 | 1,500 | 43 | 0.0451 |
| 2016 | 1 | 1,500 | 46 | 0.0208 |
| 2017 | 37 | 1,500 | 43 | 0.8529 |
| 2018 | 5 | 1,500 | 22 | 0.2194 |
| <i>(PROJ.) 4/1/2018 to 9/30/2018</i> | \$8 | 1,500 | 22 | 0.3644 |
| <i>(PROJ.) 2018/2019</i> | 16 | 1,500 | 44 | 0.3717 |
| <i>(PROJ.) 2019/2020</i> | 17 | 1,500 | 45 | 0.3791 |
| <i>(PROJ.) 2020/2021</i> | 18 | 1,500 | 46 | 0.3867 |
| <i>(PROJ.) 2021/2022</i> | 18 | 1,500 | 47 | 0.3944 |
| <i>(PROJ.) 2022/2023</i> | 19 | 1,500 | 47 | 0.4023 |

SECTION 3 - DISCOUNTED FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEARS* | 55% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (9) | (10) |
| 10/1/2019 to 9/30/2020 | \$8 | \$9 | \$10 | \$10 | \$11 | \$12 |
| 2019/2020 | 16 | 19 | 19 | 21 | 22 | 24 |
| 2020/2021 | 17 | 20 | 21 | 22 | 23 | 25 |
| 2021/2022 | 18 | 21 | 22 | 23 | 25 | 27 |
| 2022/2023 | 18 | 21 | 22 | 23 | 25 | 27 |
| 2023/2024 | 19 | 22 | 23 | 24 | 26 | 28 |

Notes:

(1) - Exhibit VIII-F, Page 1, Column (4). For the projection years (1) = (3) x (4).

(2) & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) / (3). For the projected year, it is the average of prior years.

(5) = Projected losses in Column (1).

(6) to (10) - Based on Monte Carlo Simulation Approach.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2017 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
AUTOMOBILE LIABILITY
Jacksonville Housing Authority
(\$AMTS IN THOUSANDS)

| | |
|---|--------------|
| 1. Estimated net undiscounted reserves at 9/30/2017 | \$40 |
| 2. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 9/30/2017 and prior. | \$0 |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018 | (\$7) |
| 4. Estimated ultimate losses for the period 10/1/2017- 3/31/2018. | \$5 |
| 5. Loss payments during 10/1/2017 -3/31/2018 for the accident period 10/1/2017 - 3/31/2018. | (\$5) |
| 6. Estimated net undiscounted reserves at 3/31/2018 | \$33 |

Notes:

- (1) - Per Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VIII-F, Page 3C, Column (3).
- (3) - Total from Exhibit VIII-F, Page 3B, Column (3).
- (4) - See Exhibit VIII-F, Page 1 of 3, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
AUTOMOBILE LIABILITY
Jacksonville Housing Authority
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|--------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | \$4 | \$4 | \$0 |
| 1996 | 11 | 11 | 0 |
| 1997 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 |
| 2001 | 6 | 6 | 0 |
| 2002 | 147 | 147 | 0 |
| 2003 | 7 | 7 | 0 |
| 2004 | 23 | 23 | 0 |
| 2005 | 24 | 24 | 0 |
| 2006 | 0 | 0 | 0 |
| 2007 | 4 | 4 | 0 |
| 2008 | 38 | 38 | 0 |
| 2009 | 0 | 0 | 0 |
| 2010 | 0 | 0 | 0 |
| 2011 | 11 | 11 | 0 |
| 2012 | 65 | 65 | 0 |
| 2013 | 0 | 0 | 0 |
| 2014 | 18 | 18 | 0 |
| 2015 | 2 | 2 | 0 |
| 2016 | 1 | 1 | 0 |
| 2017 | 43 | 37 | (7) |
| TOTAL | \$405 | \$398 | (7) |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VIII-F, Page 1 of 3, Column (4).

(3) = (2) - (1).

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
AUTOMOBILE LIABILITY
Jacksonville Housing Authority
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|--------------|--------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | \$4 | \$4 | \$0 |
| 1996 | 11 | 11 | 0 |
| 1997 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 |
| 2001 | 6 | 6 | 0 |
| 2002 | 147 | 147 | 0 |
| 2003 | 7 | 7 | 0 |
| 2004 | 23 | 23 | 0 |
| 2005 | 24 | 24 | 0 |
| 2006 | 0 | 0 | 0 |
| 2007 | 4 | 4 | 0 |
| 2008 | 38 | 38 | 0 |
| 2009 | 0 | 0 | 0 |
| 2010 | 0 | 0 | 0 |
| 2011 | 11 | 11 | 0 |
| 2012 | 65 | 65 | 0 |
| 2013 | 0 | 0 | 0 |
| 2014 | 18 | 18 | 0 |
| 2015 | 2 | 2 | 0 |
| 2016 | 1 | 1 | 0 |
| 2017 | 4 | 4 | 0 |
| TOTAL | \$365 | \$365 | 0 |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VIII-F, Page 1 of 3, Column (1).

(3) = (2) - (1).

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF TOTAL RESERVES
AUTOMOBILE LIABILITY
Jacksonville Port Authority
(\$AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @3/31/2018 | CASE RESERVES @3/31/2018 | INCURRED LOSSES @3/31/2018 | SELECTED ULTIMATE LOSSES | LOSS RESERVES @3/31/2018 |
|-----------------|------------------------|--------------------------|----------------------------|--------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) |
| 1994 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 1995 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 1 | 0 | 1 | 1 | 0 |
| 1997 | 0 | 0 | 0 | 0 | 0 |
| 1998 | 6 | 0 | 6 | 6 | 0 |
| 1999 | 9 | 0 | 9 | 9 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 3 | 0 | 3 | 3 | 0 |
| 2002 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 4 | 0 | 4 | 4 | 0 |
| 2004 | 0 | 0 | 0 | 0 | 0 |
| 2005 | 1 | 0 | 1 | 1 | 0 |
| 2006 | 33 | 0 | 33 | 33 | 0 |
| 2007 | 0 | 0 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 | 0 | 0 |
| 2009 | 0 | 0 | 0 | 0 | 0 |
| 2010 | 2 | 0 | 2 | 2 | 0 |
| 2011 | 0 | 0 | 0 | 0 | 0 |
| 2012 | 0 | 0 | 0 | 0 | 0 |
| 2013 | 0 | 0 | 0 | 0 | 0 |
| 2014 | 12 | 0 | 12 | 12 | 0 |
| 2015 | 0 | 0 | 0 | 0 | 0 |
| 2016 | 2 | 0 | 2 | 2 | 0 |
| 2017 | 1 | 0 | 1 | 1 | 0 |
| 2018 | 4 | 3 | 7 | 10 | 6 |
| TOTAL | \$78 | \$3 | \$81 | \$84 | \$6 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VIII, Page 1, Column (7) , based on case reserves.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
AUTOMOBILE LIABILITY
Jacksonville Port Authority
(\$AMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED ULTIMATE LOSSES | RETENTION LIMIT | VEHICLE COUNT | LOSS RATE |
|--------------------------------------|--------------------------|-----------------|---------------|-----------|
| | (1) | (2) | (3) | (4) |
| 1994 | \$0 | \$1,000 | 120 | N/A |
| 1995 | 0 | 1,000 | N/A | N/A |
| 1996 | 1 | 1,000 | 124 | N/A |
| 1997 | 0 | 1,000 | 69 | 0.0000 |
| 1998 | 6 | 1,000 | 69 | 0.0911 |
| 1999 | 9 | 1,000 | 75 | 0.1179 |
| 2000 | 0 | 1,000 | 108 | 0.0000 |
| 2001 | 3 | 1,000 | 125 | 0.0225 |
| 2002 | 0 | 1,000 | 87 | 0.0000 |
| 2003 | 4 | 1,200 | 70 | 0.0568 |
| 2004 | 0 | 1,200 | 69 | 0.0000 |
| 2005 | 1 | 1,200 | 71 | 0.0157 |
| 2006 | 33 | 1,200 | 90 | 0.3710 |
| 2007 | 0 | 1,200 | 89 | 0.0000 |
| 2008 | 0 | 1,200 | 86 | 0.0000 |
| 2009 | 0 | 1,200 | 89 | 0.0000 |
| 2010 | 2 | 1,200 | 93 | 0.0187 |
| 2011 | 0 | 1,200 | 90 | 0.0000 |
| 2012 | 0 | 1,200 | 93 | 0.0000 |
| 2013 | 0 | 1,200 | 90 | 0.0000 |
| 2014 | 12 | 1,500 | 93 | 0.1260 |
| 2015 | 0 | 1,500 | 98 | 0.0000 |
| 2016 | 2 | 1,500 | 98 | 0.0187 |
| 2017 | 1 | 1,500 | 98 | 0.0091 |
| 2018 | 10 | 1,500 | 49 | 0.2000 |
| <i>(PROJ.) 4/1/2018 to 9/30/2018</i> | \$4 | 1,500 | 49 | 0.0759 |
| <i>(PROJ.) 2018/2019</i> | 8 | 1,500 | 100 | 0.0774 |
| <i>(PROJ.) 2019/2020</i> | 8 | 1,500 | 102 | 0.0790 |
| <i>(PROJ.) 2020/2021</i> | 8 | 1,500 | 104 | 0.0805 |
| <i>(PROJ.) 2021/2022</i> | 9 | 1,500 | 106 | 0.0822 |
| <i>(PROJ.) 2022/2023</i> | 9 | 1,500 | 108 | 0.0838 |

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT YEARS* | 55% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (9) | (10) |
| 4/1/2018 to 9/30/2018 | \$4 | \$5 | \$5 | \$5 | \$5 | \$6 |
| 2018/2019 | 8 | 9 | 10 | 10 | 11 | 12 |
| 2019/2020 | 8 | 9 | 10 | 10 | 11 | 12 |
| 2020/2021 | 8 | 9 | 10 | 10 | 11 | 12 |
| 2021/2022 | 9 | 10 | 11 | 12 | 12 | 13 |
| 2022/2023 | 9 | 10 | 11 | 12 | 12 | 13 |

Notes:

- (1) - Exhibit VIII-G, Page 1, Column (4). For the projection years (1) = (3) x (4).
- (2) & (3) - Per CITY OF JACKSONVILLE.
- (4) = (1) / (3). For the projected year, it is the average of prior years.
- (5) = Projected losses in Column (1).
- (6) to (10) - Based on Monte Carlo Simulation Approach.
- *Accident years are 12-month periods ending 9/30 of the stated year.
- *Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
AUTOMOBILE LIABILITY
Jacksonville Port Authority
(\$AMTS IN THOUSANDS)

| | |
|--|--------------|
| 1. Estimated net undiscounted reserves at 9/30/2017. | \$0 |
| 2. Loss payments during 10/1/2017 -3/31/2018 for the accident period 9/30/2017 and prior. | (\$1) |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018. | \$1 |
| 4. Estimated ultimate losses for the period 10/1/2017- 3/31/2018. | \$10 |
| 5. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 10/1/2017 - 3/31/2018. | (\$4) |
| 6. Estimated net undiscounted reserves at 3/31/2018. | \$6 |

Notes:

- (1) - Per Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VIII-G, Page 3C, Column (3).
- (3) - Total from Exhibit VIII-G, Page 3B, Column (3).
- (4) - See Exhibit VIII-G, Page 1 of 3, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
AUTOMOBILE LIABILITY
Jacksonville Port Authority
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|-------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | \$0 | \$0 | \$0 |
| 1996 | 1 | 1 | 0 |
| 1997 | 0 | 0 | 0 |
| 1998 | 6 | 6 | 0 |
| 1999 | 9 | 9 | 0 |
| 2000 | 0 | 0 | 0 |
| 2001 | 3 | 3 | 0 |
| 2002 | 0 | 0 | 0 |
| 2003 | 4 | 4 | 0 |
| 2004 | 0 | 0 | 0 |
| 2005 | 1 | 1 | 0 |
| 2006 | 33 | 33 | 0 |
| 2007 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 |
| 2009 | 0 | 0 | 0 |
| 2010 | 2 | 2 | 0 |
| 2011 | 0 | 0 | 0 |
| 2012 | 0 | 0 | 0 |
| 2013 | 0 | 0 | 0 |
| 2014 | 12 | 12 | 0 |
| 2015 | 0 | 0 | 0 |
| 2016 | 2 | 2 | 0 |
| 2017 | 0 | 1 | 1 |
| TOTAL | \$73 | \$74 | 1 |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VIII-G, Page 1 of 3, Column (4).

(3) = (2) - (1).

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
AUTOMOBILE LIABILITY
Jacksonville Port Authority
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|-------------|-------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | \$0 | \$0 | \$0 |
| 1996 | 1 | 1 | 0 |
| 1997 | 0 | 0 | 0 |
| 1998 | 6 | 6 | 0 |
| 1999 | 9 | 9 | 0 |
| 2000 | 0 | 0 | 0 |
| 2001 | 3 | 3 | 0 |
| 2002 | 0 | 0 | 0 |
| 2003 | 4 | 4 | 0 |
| 2004 | 0 | 0 | 0 |
| 2005 | 1 | 1 | 0 |
| 2006 | 33 | 33 | 0 |
| 2007 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 |
| 2009 | 0 | 0 | 0 |
| 2010 | 2 | 2 | 0 |
| 2011 | 0 | 0 | 0 |
| 2012 | 0 | 0 | 0 |
| 2013 | 0 | 0 | 0 |
| 2014 | 12 | 12 | 0 |
| 2015 | 0 | 0 | 0 |
| 2016 | 2 | 2 | 0 |
| 2017 | 0 | 1 | 1 |
| TOTAL | \$73 | \$74 | 1 |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VIII-G, Page 1 of 3, Column (1).

(3) = (2) - (1).

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
'AS OF MARCH 31, 2018
CALCULATION OF TOTAL RESERVES
AUTOMOBILE LIABILITY
Jacksonville Aviation Authority
(\$AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEARS* | PAID LOSSES @3/31/2018 | CASE RESERVES @3/31/2018 | INCURRED LOSSES @3/31/2018 | SELECTED ULTIMATE LOSSES | LOSS RESERVES @3/31/2018 |
|-----------------|------------------------|--------------------------|----------------------------|--------------------------|--------------------------|
| | (1) | (2) | (3) | (4) | (5) |
| 1994 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 1995 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 7 | 0 | 7 | 7 | 0 |
| 2002 | 3 | 0 | 3 | 3 | 0 |
| 2003 | 0 | 0 | 0 | 0 | 0 |
| 2004 | 0 | 0 | 0 | 0 | 0 |
| 2005 | 6 | 0 | 6 | 6 | 0 |
| 2006 | 90 | 0 | 90 | 90 | 0 |
| 2007 | 1 | 0 | 1 | 1 | 0 |
| 2008 | 0 | 0 | 0 | 0 | 0 |
| 2009 | 0 | 0 | 0 | 0 | 0 |
| 2010 | 0 | 0 | 0 | 0 | 0 |
| 2011 | 0 | 0 | 0 | 0 | 0 |
| 2012 | 0 | 0 | 0 | 0 | 0 |
| 2013 | 0 | 0 | 0 | 0 | 0 |
| 2014 | 6 | 0 | 6 | 6 | 0 |
| 2015 | 0 | 0 | 0 | 0 | 0 |
| 2016 | 0 | 0 | 0 | 0 | 0 |
| 2017 | 0 | 0 | 0 | 0 | 0 |
| 2018 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | \$113 | \$0 | \$113 | \$113 | \$0 |

Notes:

(1), (2), & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) + (5).

(5) = Allocation from Exhibit VIII, Page 1, Column (7) , based on case reserves.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
'AS OF MARCH 31, 2018
CALCULATION OF PROJECTED LOSSES
AUTOMOBILE LIABILITY
Jacksonville Aviation Authority
(\$AMTS IN THOUSANDS)

SECTION 1 - PROJECTED ULTIMATE LOSSES

| ACCIDENT YEARS* | SELECTED ULTIMATE LOSSES | RETENTION | VEHICLE COUNT | LOSS RATE |
|--------------------------------------|--------------------------|-----------|---------------|-----------|
| | (1) | (2) | (3) | (4) |
| 1994 | \$0 | \$1,000 | N/A | N/A |
| 1995 | 0 | 1,000 | N/A | N/A |
| 1996 | 0 | 1,000 | 52 | 0.0000 |
| 1997 | 0 | 1,000 | 49 | 0.0000 |
| 1998 | 0 | 1,000 | 49 | 0.0000 |
| 1999 | 0 | 1,000 | 54 | 0.0000 |
| 2000 | 0 | 1,000 | 77 | 0.0000 |
| 2001 | 7 | 1,000 | 89 | 0.0821 |
| 2002 | 3 | 1,000 | 62 | 0.0547 |
| 2003 | 0 | 1,200 | 147 | 0.0000 |
| 2004 | 0 | 1,200 | 147 | 0.0000 |
| 2005 | 6 | 1,200 | 120 | 0.0507 |
| 2006 | 90 | 1,200 | 115 | 0.7813 |
| 2007 | 1 | 1,200 | 108 | 0.0051 |
| 2008 | 0 | 1,200 | 88 | 0.0000 |
| 2009 | 0 | 1,200 | 107 | 0.0000 |
| 2010 | 0 | 1,200 | 103 | 0.0000 |
| 2011 | 0 | 1,200 | 103 | 0.0000 |
| 2012 | 0 | 1,200 | 95 | 0.0000 |
| 2013 | 0 | 1,200 | 95 | 0.0000 |
| 2014 | 6 | 1,500 | 90 | 0.0620 |
| 2015 | 0 | 1,500 | 90 | 0.0000 |
| 2016 | 0 | 1,500 | 90 | 0.0000 |
| 2017 | 0 | 1,500 | 90 | 0.0000 |
| 2018 | 0 | 1,500 | 45 | 0.0000 |
| (PROJ.) 4/1/2018 to 9/30/2018 | | | | |
| | \$0 | 1,500 | 45 | 0.0000 |
| (PROJ.) 2018/2019 | | | | |
| | 0 | 1,500 | 92 | 0.0000 |
| (PROJ.) 2019/2020 | | | | |
| | 0 | 1,500 | 94 | 0.0000 |
| (PROJ.) 2020/2021 | | | | |
| | 0 | 1,500 | 96 | 0.0000 |
| (PROJ.) 2021/2022 | | | | |
| | 0 | 1,500 | 97 | 0.0000 |
| (PROJ.) 2022/2023 | | | | |
| | 0 | 1,500 | 99 | 0.0000 |

SECTION 2 - FUNDING REQUIREMENTS AT VARIOUS CONFIDENCE LEVELS

| ACCIDENT ACCIDENT | 55% LEVEL | 70% LEVEL | 75% LEVEL | 80% LEVEL | 85% LEVEL | 90% LEVEL |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | (5) | (6) | (7) | (8) | (9) | (10) |
| 4/1/2018 to 9/30/2018 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 2018/2019 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2019/2020 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2020/2021 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2021/2022 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2022/2023 | 0 | 0 | 0 | 0 | 0 | 0 |

Notes:

(1) - Exhibit VIII-H, Page 1, Column (4). For the projection years (1) = (3) x (4).

(2) & (3) - Per CITY OF JACKSONVILLE.

(4) = (1) / (3). For the projected year, it is the average of prior year

(5) = Projected losses in Column (1).

(6) to (10) - Based on Monte Carlo Simulation Approach.

*Accident years are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
'AS OF MARCH 31, 2018
ANALYSIS OF RESERVE CHANGE
AUTOMOBILE LIABILITY
Jacksonville Aviation Authority
(\$AMTS IN THOUSANDS)

| | |
|--|------------|
| 1. Estimated net undiscounted reserves at 9/30/2017. | \$0 |
| 2. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 9/30/2017 and prior. | \$0 |
| 3. Change in estimated ultimate losses for the period 9/30/2017 and prior due to re-evaluation at 3/31/2018. | \$0 |
| 4. Estimated ultimate losses for the period 10/1/2017- 3/31/2018. | \$0 |
| 5. Loss payments during 10/1/2017 - 3/31/2018 for the accident period 10/1/2017 - 3/31/2018. | \$0 |
| 6. Estimated net undiscounted reserves at 3/31/2018. | \$0 |

Notes:

- (1) - Per Actuarial Study as of September 30, 2017.
- (2) - Total from Exhibit VIII-H, Page 3C, Column (3).
- (3) - Total from Exhibit VIII-H, Page 3B, Column (3).
- (4) - See Exhibit VIII-H, Page 1 of 3, Column (4), for accident year 2018.
- (5) - Per CITY OF JACKSONVILLE.
- (6) - Sum of (1) through (5).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
'AS OF MARCH 31, 2018
COMPARISON OF ESTIMATED ULTIMATE LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
AUTOMOBILE LIABILITY
Jacksonville Aviation Authority
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | ESTIMATED ULTIMATE LOSSES | | INCREASE OR DECREASE |
|-------------------|---------------------------|--------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | \$0 | \$0 | \$0 |
| 1996 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 |
| 2001 | 7 | 7 | 0 |
| 2002 | 3 | 3 | 0 |
| 2003 | 0 | 0 | 0 |
| 2004 | 0 | 0 | 0 |
| 2005 | 6 | 6 | 0 |
| 2006 | 90 | 90 | 0 |
| 2007 | 1 | 1 | 0 |
| 2008 | 0 | 0 | 0 |
| 2009 | 0 | 0 | 0 |
| 2010 | 0 | 0 | 0 |
| 2011 | 0 | 0 | 0 |
| 2012 | 0 | 0 | 0 |
| 2013 | 0 | 0 | 0 |
| 2014 | 6 | 6 | 0 |
| 2015 | 0 | 0 | 0 |
| 2016 | 0 | 0 | 0 |
| 2017 | 0 | 0 | 0 |
| TOTAL | \$113 | \$113 | 0 |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VIII-H, Page 1 of 3, Column (4).

(3) = (2) - (1).

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
'AS OF MARCH 31, 2018
COMPARISON OF PAID LOSSES
AS OF SEPTEMBER 30, 2017 AND SEPTEMBER 30, 2018
AUTOMOBILE LIABILITY
Jacksonville Aviation Authority
(\$AMTS IN THOUSANDS)

| ACCIDENT YEAR* | PAID LOSSES | | INCREASE OR DECREASE |
|-------------------|--------------|--------------|----------------------------|
| | @9/30/2017 | @3/31/2018 | |
| | (1) | (2) | (3) |
| 1995 | \$0 | \$0 | \$0 |
| 1996 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 |
| 2001 | 7 | 7 | 0 |
| 2002 | 3 | 3 | 0 |
| 2003 | 0 | 0 | 0 |
| 2004 | 0 | 0 | 0 |
| 2005 | 6 | 6 | 0 |
| 2006 | 90 | 90 | 0 |
| 2007 | 1 | 1 | 0 |
| 2008 | 0 | 0 | 0 |
| 2009 | 0 | 0 | 0 |
| 2010 | 0 | 0 | 0 |
| 2011 | 0 | 0 | 0 |
| 2012 | 0 | 0 | 0 |
| 2013 | 0 | 0 | 0 |
| 2014 | 6 | 6 | 0 |
| 2015 | 0 | 0 | 0 |
| 2016 | 0 | 0 | 0 |
| 2017 | 0 | 0 | 0 |
| TOTAL | \$113 | \$113 | 0 |

Notes:

(1) - Per Actuarial Study as of September 30, 2017.

(2) - Exhibit VIII-H, Page 1 of 3, Column (1).

(3) = (2) - (1).

*All accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF DISCOUNT FACTORS
WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
LIMITED TO RETENTION

| (1) <i>Payment Year</i> | (2) <i>Cumulative Payment Pattern</i> | (3) <i>Incremental payments</i> | (4) <i>Remaining Payments at Beginning of Period</i> | (5) <i>Discount Factor</i> | (6) <i>Present Value of Remaining Payments</i> | (7) <i>Present Value Discount Factor</i> |
|----------------------------|--|------------------------------------|---|-------------------------------|---|---|
| 1 | 9.5% | 9.5% | 100.0% | 0.981 | 73.8% | 0.738 |
| 2 | 17.8% | 8.3% | 90.5% | 0.943 | 67.1% | 0.741 |
| 3 | 26.1% | 8.3% | 82.2% | 0.907 | 61.3% | 0.746 |
| 4 | 32.4% | 6.3% | 73.9% | 0.872 | 55.3% | 0.748 |
| 5 | 37.7% | 5.3% | 67.6% | 0.838 | 51.0% | 0.755 |
| 6 | 41.2% | 3.5% | 62.3% | 0.806 | 47.7% | 0.766 |
| 7 | 44.9% | 3.7% | 58.8% | 0.775 | 46.0% | 0.783 |
| 8 | 48.7% | 3.8% | 55.1% | 0.745 | 44.1% | 0.800 |
| 9 | 52.9% | 4.1% | 51.3% | 0.717 | 42.0% | 0.819 |
| 10 | 57.4% | 4.5% | 47.1% | 0.689 | 39.4% | 0.837 |
| 11 | 61.9% | 4.6% | 42.6% | 0.662 | 36.4% | 0.854 |
| 12 | 66.9% | 4.9% | 38.1% | 0.637 | 33.2% | 0.873 |
| 13 | 72.2% | 5.4% | 33.1% | 0.612 | 29.5% | 0.891 |
| 14 | 77.8% | 5.6% | 27.8% | 0.589 | 25.2% | 0.908 |
| 15 | 83.2% | 5.4% | 22.2% | 0.566 | 20.5% | 0.926 |
| 16 | 88.9% | 5.7% | 16.8% | 0.544 | 15.9% | 0.944 |
| 17 | 94.8% | 6.0% | 11.1% | 0.524 | 10.7% | 0.963 |
| 18 | 100.0% | 5.2% | 5.2% | 0.503 | 5.1% | 0.981 |
| 19 | 100.0% | 0.0% | 0.0% | 0.484 | 0.0% | 1.000 |
| 20 | 100.0% | 0.0% | 0.0% | 0.465 | 0.0% | 1.000 |
| 21 | 100.0% | 0.0% | 0.0% | 0.448 | 0.0% | 1.000 |
| 22 | 100.0% | 0.0% | 0.0% | 0.430 | 0.0% | 1.000 |
| 23 | 100.0% | 0.0% | 0.0% | 0.414 | 0.0% | 1.000 |
| 24 | 100.0% | 0.0% | 0.0% | 0.398 | 0.0% | 1.000 |
| 25 | 100.0% | 0.0% | 0.0% | 0.383 | 0.0% | 1.000 |
| 26 | 100.0% | 0.0% | 0.0% | 0.368 | 0.0% | 1.000 |
| 27 | 100.0% | 0.0% | 0.0% | 0.354 | 0.0% | 1.000 |
| 28 | 100.0% | 0.0% | 0.0% | 0.340 | 0.0% | 1.000 |
| 29 | 100.0% | 0.0% | 0.0% | 0.327 | 0.0% | 1.000 |
| 30 | 100.0% | 0.0% | 0.0% | 0.314 | 0.0% | 1.000 |
| 31 | 100.0% | 0.0% | 0.0% | 0.302 | 0.0% | 1.000 |
| 32 | 100.0% | 0.0% | 0.0% | 0.291 | 0.0% | 1.000 |
| 33 | 100.0% | 0.0% | 0.0% | 0.280 | 0.0% | 1.000 |
| 34 | 100.0% | 0.0% | 0.0% | 0.269 | 0.0% | 1.000 |
| 35 | 100.0% | 0.0% | 0.0% | 0.258 | 0.0% | 1.000 |
| 36 | 100.0% | 0.0% | 0.0% | 0.248 | 0.0% | 1.000 |
| 37 | 100.0% | 0.0% | 0.0% | 0.239 | 0.0% | 1.000 |
| 38 | 100.0% | 0.0% | 0.0% | 0.230 | 0.0% | 1.000 |
| 39 | 100.0% | 0.0% | 0.0% | 0.221 | 0.0% | 1.000 |
| 40 | 100.0% | 0.0% | 0.0% | 0.212 | 0.0% | 1.000 |
| 41 | 100.0% | 0.0% | 0.0% | 0.204 | 0.0% | 1.000 |
| 42 | 100.0% | 0.0% | 0.0% | 0.196 | 0.0% | 1.000 |
| 43 | 100.0% | 0.0% | 0.0% | 0.189 | 0.0% | 1.000 |
| 44 | 100.0% | 0.0% | 0.0% | 0.182 | 0.0% | 1.000 |
| 45 | 100.0% | 0.0% | 0.0% | 0.175 | 0.0% | 1.000 |

Notes:

- (2) - Per City's historical paid loss development factors.
- (3) - Cumulative Payment Pattern for current year less Cumulative Payment Pattern for prior year.
- (4) = 1 - Cumulative Payment Pattern for prior year.
- (5) & (6) - Per AMI calculations.
- (7) = (6) / (4).

Assumptions:

Rate of Return: 4.0%
Starting Year: 0
Ending Year: 19

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF DISCOUNT FACTORS
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
LIMITED TO RETENTION

| (1) <i>Payment Year</i> | (2) <i>Cumulative Payment Pattern</i> | (3) <i>Incremental payments</i> | (4) <i>Remaining Payments at Beginning of Period</i> | (5) <i>Discount Factor</i> | (6) <i>Present Value of Remaining Payments</i> | (7) <i>Present Value Discount Factor</i> |
|--------------------------------|--|--|---|-----------------------------------|---|---|
| 1 | 7.9% | 7.9% | 100.0% | 0.981 | 67.5% | 0.675 |
| 2 | 15.1% | 7.2% | 92.1% | 0.943 | 62.1% | 0.675 |
| 3 | 21.0% | 5.9% | 84.9% | 0.907 | 57.3% | 0.675 |
| 4 | 26.0% | 5.0% | 79.0% | 0.872 | 53.6% | 0.678 |
| 5 | 30.6% | 4.6% | 74.0% | 0.838 | 50.6% | 0.684 |
| 6 | 33.1% | 2.6% | 69.4% | 0.806 | 48.0% | 0.691 |
| 7 | 35.8% | 2.7% | 66.9% | 0.775 | 47.3% | 0.707 |
| 8 | 38.7% | 2.9% | 64.2% | 0.745 | 46.5% | 0.724 |
| 9 | 41.7% | 3.1% | 61.3% | 0.717 | 45.4% | 0.740 |
| 10 | 45.1% | 3.3% | 58.3% | 0.689 | 44.1% | 0.757 |
| 11 | 48.7% | 3.6% | 54.9% | 0.662 | 42.4% | 0.773 |
| 12 | 52.6% | 3.9% | 51.3% | 0.637 | 40.5% | 0.788 |
| 13 | 56.8% | 4.2% | 47.4% | 0.612 | 38.1% | 0.804 |
| 14 | 61.2% | 4.4% | 43.2% | 0.589 | 35.3% | 0.818 |
| 15 | 65.4% | 4.2% | 38.8% | 0.566 | 32.3% | 0.831 |
| 16 | 69.9% | 4.4% | 34.6% | 0.544 | 29.3% | 0.846 |
| 17 | 74.5% | 4.7% | 30.1% | 0.524 | 25.9% | 0.859 |
| 18 | 78.6% | 4.1% | 25.5% | 0.503 | 22.1% | 0.870 |
| 19 | 82.8% | 4.2% | 21.4% | 0.484 | 18.9% | 0.883 |
| 20 | 85.8% | 3.0% | 17.2% | 0.465 | 15.4% | 0.893 |
| 21 | 88.8% | 3.0% | 14.2% | 0.448 | 12.9% | 0.910 |
| 22 | 91.7% | 2.9% | 11.2% | 0.430 | 10.4% | 0.927 |
| 23 | 94.5% | 2.8% | 8.3% | 0.414 | 7.8% | 0.944 |
| 24 | 97.3% | 2.8% | 5.5% | 0.398 | 5.3% | 0.962 |
| 25 | 100.0% | 2.7% | 2.7% | 0.383 | 2.7% | 0.981 |
| 26 | 100.0% | 0.0% | 0.0% | 0.368 | 0.0% | 1.000 |
| 27 | 100.0% | 0.0% | 0.0% | 0.354 | 0.0% | 1.000 |
| 28 | 100.0% | 0.0% | 0.0% | 0.340 | 0.0% | 1.000 |
| 29 | 100.0% | 0.0% | 0.0% | 0.327 | 0.0% | 1.000 |
| 30 | 100.0% | 0.0% | 0.0% | 0.314 | 0.0% | 1.000 |
| 31 | 100.0% | 0.0% | 0.0% | 0.302 | 0.0% | 1.000 |
| 32 | 100.0% | 0.0% | 0.0% | 0.291 | 0.0% | 1.000 |
| 33 | 100.0% | 0.0% | 0.0% | 0.280 | 0.0% | 1.000 |
| 34 | 100.0% | 0.0% | 0.0% | 0.269 | 0.0% | 1.000 |
| 35 | 100.0% | 0.0% | 0.0% | 0.258 | 0.0% | 1.000 |
| 36 | 100.0% | 0.0% | 0.0% | 0.248 | 0.0% | 1.000 |
| 37 | 100.0% | 0.0% | 0.0% | 0.239 | 0.0% | 1.000 |
| 38 | 100.0% | 0.0% | 0.0% | 0.230 | 0.0% | 1.000 |
| 39 | 100.0% | 0.0% | 0.0% | 0.221 | 0.0% | 1.000 |
| 40 | 100.0% | 0.0% | 0.0% | 0.212 | 0.0% | 1.000 |
| 41 | 100.0% | 0.0% | 0.0% | 0.204 | 0.0% | 1.000 |
| 42 | 100.0% | 0.0% | 0.0% | 0.196 | 0.0% | 1.000 |
| 43 | 100.0% | 0.0% | 0.0% | 0.189 | 0.0% | 1.000 |

Notes:

- (2) - Per City's historical paid loss development factors.
- (3) - Cumulative Payment Pattern for current year less Cumulative Payment Pattern for prior year.
- (4) = 1 - Cumulative Payment Pattern for prior year.
- (5) & (6) - Per AMI calculations.
- (7) = (6) / (4).

Assumptions:

| | |
|-----------------|------|
| Rate of Return: | 4.0% |
| Starting Year: | 0 |
| Ending Year | 26 |

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF DISCOUNT FACTORS
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
LIMITED TO RETENTION

| (1) <i>Payment Year</i> | (2) <i>Cumulative Payment Pattern</i> | (3) <i>Incremental payments</i> | (4) <i>Remaining Payments at Beginning of Period</i> | (5) <i>Discount Factor</i> | (6) <i>Present Value of Remaining Payments</i> | (7) <i>Present Value Discount Factor</i> |
|--------------------------------|--|--|---|-----------------------------------|---|---|
| 1 | 27.8% | 27.8% | 100.0% | 0.981 | 82.1% | 0.821 |
| 2 | 48.8% | 21.0% | 72.2% | 0.943 | 57.1% | 0.790 |
| 3 | 54.3% | 5.5% | 51.2% | 0.907 | 37.9% | 0.740 |
| 4 | 58.2% | 3.9% | 45.7% | 0.872 | 33.8% | 0.740 |
| 5 | 62.1% | 3.9% | 41.8% | 0.838 | 31.2% | 0.746 |
| 6 | 65.2% | 3.1% | 37.9% | 0.806 | 28.5% | 0.751 |
| 7 | 68.5% | 3.3% | 34.8% | 0.775 | 26.4% | 0.760 |
| 8 | 71.7% | 3.2% | 31.5% | 0.745 | 24.2% | 0.766 |
| 9 | 74.8% | 3.1% | 28.3% | 0.717 | 21.8% | 0.772 |
| 10 | 77.6% | 2.8% | 25.2% | 0.689 | 19.6% | 0.776 |
| 11 | 80.0% | 2.4% | 22.4% | 0.662 | 17.5% | 0.780 |
| 12 | 82.0% | 2.0% | 20.0% | 0.637 | 15.8% | 0.787 |
| 13 | 84.0% | 2.0% | 18.0% | 0.612 | 14.3% | 0.796 |
| 14 | 86.1% | 2.1% | 16.0% | 0.589 | 12.8% | 0.803 |
| 15 | 88.3% | 2.2% | 13.9% | 0.566 | 11.2% | 0.807 |
| 16 | 90.5% | 2.2% | 11.7% | 0.544 | 9.4% | 0.806 |
| 17 | 92.7% | 2.3% | 9.5% | 0.524 | 7.6% | 0.796 |
| 18 | 94.1% | 1.4% | 7.3% | 0.503 | 5.6% | 0.768 |
| 19 | 94.5% | 0.4% | 5.9% | 0.484 | 4.4% | 0.747 |
| 20 | 94.9% | 0.4% | 5.5% | 0.465 | 4.2% | 0.761 |
| 21 | 95.2% | 0.4% | 5.1% | 0.448 | 4.0% | 0.775 |
| 22 | 95.6% | 0.4% | 4.8% | 0.430 | 3.8% | 0.789 |
| 23 | 96.0% | 0.4% | 4.4% | 0.414 | 3.5% | 0.803 |
| 24 | 96.4% | 0.4% | 4.0% | 0.398 | 3.3% | 0.817 |
| 25 | 96.8% | 0.4% | 3.6% | 0.383 | 3.0% | 0.832 |
| 26 | 97.2% | 0.4% | 3.2% | 0.368 | 2.7% | 0.846 |
| 27 | 97.6% | 0.4% | 2.8% | 0.354 | 2.4% | 0.861 |
| 28 | 97.9% | 0.4% | 2.4% | 0.340 | 2.1% | 0.876 |
| 29 | 98.3% | 0.4% | 2.1% | 0.327 | 1.8% | 0.890 |
| 30 | 98.7% | 0.4% | 1.7% | 0.314 | 1.5% | 0.904 |
| 31 | 99.1% | 0.4% | 1.3% | 0.302 | 1.2% | 0.916 |
| 32 | 99.5% | 0.3% | 0.9% | 0.291 | 0.8% | 0.922 |
| 33 | 99.8% | 0.3% | 0.5% | 0.280 | 0.5% | 0.922 |
| 34 | 99.8% | 0.0% | 0.2% | 0.269 | 0.2% | 0.886 |
| 35 | 99.8% | 0.0% | 0.2% | 0.258 | 0.2% | 0.921 |
| 36 | 99.9% | 0.1% | 0.2% | 0.248 | 0.2% | 0.958 |
| 37 | 100.0% | 0.1% | 0.1% | 0.239 | 0.1% | 0.981 |
| 38 | 100.0% | 0.0% | 0.0% | 0.230 | 0.0% | 1.000 |
| 39 | 100.0% | 0.0% | 0.0% | 0.221 | 0.0% | 1.000 |
| 40 | 100.0% | 0.0% | 0.0% | 0.212 | 0.0% | 1.000 |
| 41 | 100.0% | 0.0% | 0.0% | 0.204 | 0.0% | 1.000 |
| 42 | 100.0% | 0.0% | 0.0% | 0.196 | 0.0% | 1.000 |
| 43 | 100.0% | 0.0% | 0.0% | 0.189 | 0.0% | 1.000 |

Notes:

- (2) - Per City's historical paid loss development factors.
- (3) - Cumulative Payment Pattern for current year less Cumulative Payment Pattern for prior year.
- (4) = 1 - Cumulative Payment Pattern for prior year.
- (5) & (6) - Per AMI calculations.
- (7) = (6) / (4).

Assumptions:

| | |
|-----------------|------|
| Rate of Return: | 4.0% |
| Starting Year: | 0 |
| Ending Year | 38 |

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF DISCOUNT FACTORS
WORKERS' COMPENSATION - FIRE NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
LIMITED TO RETENTION

| (1) <i>Payment Year</i> | (2) <i>Cumulative Payment Pattern</i> | (3) <i>Incremental payments</i> | (4) <i>Remaining Payments at Beginning of Period</i> | (5) <i>Discount Factor</i> | (6) <i>Present Value of Remaining Payments</i> | (7) <i>Present Value Discount Factor</i> |
|--------------------------------|--|--|---|-----------------------------------|---|---|
| 1 | 26.9% | 26.9% | 100.0% | 0.981 | 79.2% | 0.792 |
| 2 | 45.5% | 18.6% | 73.1% | 0.943 | 54.9% | 0.751 |
| 3 | 49.7% | 4.2% | 54.5% | 0.907 | 38.2% | 0.700 |
| 4 | 52.6% | 3.0% | 50.3% | 0.872 | 35.4% | 0.704 |
| 5 | 55.8% | 3.2% | 47.4% | 0.838 | 33.8% | 0.714 |
| 6 | 58.6% | 2.8% | 44.2% | 0.806 | 31.9% | 0.723 |
| 7 | 61.5% | 2.9% | 41.4% | 0.775 | 30.4% | 0.734 |
| 8 | 64.6% | 3.1% | 38.5% | 0.745 | 28.6% | 0.744 |
| 9 | 67.2% | 2.6% | 35.4% | 0.717 | 26.6% | 0.752 |
| 10 | 69.9% | 2.7% | 32.8% | 0.689 | 25.0% | 0.763 |
| 11 | 72.7% | 2.8% | 30.1% | 0.662 | 23.3% | 0.774 |
| 12 | 75.5% | 2.9% | 27.3% | 0.637 | 21.4% | 0.783 |
| 13 | 77.8% | 2.3% | 24.5% | 0.612 | 19.3% | 0.790 |
| 14 | 80.1% | 2.3% | 22.2% | 0.589 | 17.8% | 0.801 |
| 15 | 82.3% | 2.2% | 19.9% | 0.566 | 16.1% | 0.811 |
| 16 | 84.6% | 2.3% | 17.7% | 0.544 | 14.6% | 0.822 |
| 17 | 86.5% | 1.9% | 15.4% | 0.524 | 12.8% | 0.831 |
| 18 | 88.5% | 2.0% | 13.5% | 0.503 | 11.4% | 0.842 |
| 19 | 90.5% | 2.0% | 11.5% | 0.484 | 9.8% | 0.851 |
| 20 | 92.1% | 1.6% | 9.5% | 0.465 | 8.1% | 0.856 |
| 21 | 93.7% | 1.6% | 7.9% | 0.448 | 6.8% | 0.864 |
| 22 | 95.0% | 1.3% | 6.3% | 0.430 | 5.4% | 0.867 |
| 23 | 95.9% | 0.9% | 5.0% | 0.414 | 4.4% | 0.872 |
| 24 | 96.8% | 0.9% | 4.1% | 0.398 | 3.6% | 0.881 |
| 25 | 97.6% | 0.7% | 3.2% | 0.383 | 2.8% | 0.887 |
| 26 | 98.0% | 0.5% | 2.4% | 0.368 | 2.2% | 0.893 |
| 27 | 98.5% | 0.5% | 2.0% | 0.354 | 1.8% | 0.908 |
| 28 | 99.0% | 0.5% | 1.5% | 0.340 | 1.4% | 0.920 |
| 29 | 99.5% | 0.4% | 1.0% | 0.327 | 0.9% | 0.922 |
| 30 | 99.6% | 0.1% | 0.5% | 0.314 | 0.5% | 0.910 |
| 31 | 99.7% | 0.1% | 0.4% | 0.302 | 0.4% | 0.931 |
| 32 | 99.8% | 0.1% | 0.3% | 0.291 | 0.3% | 0.943 |
| 33 | 99.9% | 0.1% | 0.2% | 0.280 | 0.2% | 0.962 |
| 34 | 100.0% | 0.1% | 0.1% | 0.269 | 0.1% | 0.981 |
| 35 | 100.0% | 0.0% | 0.0% | 0.258 | 0.0% | 1.000 |
| 36 | 100.0% | 0.0% | 0.0% | 0.248 | 0.0% | 1.000 |
| 37 | 100.0% | 0.0% | 0.0% | 0.239 | 0.0% | 1.000 |
| 38 | 100.0% | 0.0% | 0.0% | 0.230 | 0.0% | 1.000 |
| 39 | 100.0% | 0.0% | 0.0% | 0.221 | 0.0% | 1.000 |
| 40 | 100.0% | 0.0% | 0.0% | 0.212 | 0.0% | 1.000 |
| 41 | 100.0% | 0.0% | 0.0% | 0.204 | 0.0% | 1.000 |
| 42 | 100.0% | 0.0% | 0.0% | 0.196 | 0.0% | 1.000 |
| 43 | 100.0% | 0.0% | 0.0% | 0.189 | 0.0% | 1.000 |

Notes:

- (2) - Per City's historical paid loss development factors.
- (3) - Cumulative Payment Pattern for current year less Cumulative Payment Pattern for prior year.
- (4) = 1 - Cumulative Payment Pattern for prior year.
- (5) & (6) - Per AMI calculations.
- (7) = (6) / (4).

Assumptions:

| | |
|-----------------|------|
| Rate of Return: | 4.0% |
| Starting Year: | 0 |
| Ending Year | 35 |

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF DISCOUNT FACTORS
WORKERS' COMPENSATION - OTHER CITY NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
LIMITED TO RETENTION

| (1) <i>Payment Year</i> | (2) <i>Cumulative Payment Pattern</i> | (3) <i>Incremental payments</i> | (4) <i>Remaining Payments at Beginning of Period</i> | (5) <i>Discount Factor</i> | (6) <i>Present Value of Remaining Payments</i> | (7) <i>Present Value Discount Factor</i> |
|--------------------------------|--|--|---|-----------------------------------|---|---|
| 1 | 26.3% | 26.3% | 100.0% | 0.981 | 84.3% | 0.843 |
| 2 | 51.1% | 24.9% | 73.7% | 0.943 | 60.9% | 0.825 |
| 3 | 61.8% | 10.6% | 48.9% | 0.907 | 37.9% | 0.776 |
| 4 | 72.6% | 10.9% | 38.2% | 0.872 | 28.6% | 0.748 |
| 5 | 75.5% | 2.9% | 27.4% | 0.838 | 18.7% | 0.682 |
| 6 | 77.5% | 2.0% | 24.5% | 0.806 | 16.5% | 0.673 |
| 7 | 78.9% | 1.4% | 22.5% | 0.775 | 15.1% | 0.671 |
| 8 | 80.2% | 1.3% | 21.1% | 0.745 | 14.3% | 0.677 |
| 9 | 81.4% | 1.2% | 19.8% | 0.717 | 13.5% | 0.684 |
| 10 | 82.6% | 1.1% | 18.6% | 0.689 | 12.8% | 0.691 |
| 11 | 83.7% | 1.2% | 17.4% | 0.662 | 12.2% | 0.699 |
| 12 | 84.9% | 1.2% | 16.3% | 0.637 | 11.5% | 0.706 |
| 13 | 86.1% | 1.2% | 15.1% | 0.612 | 10.8% | 0.712 |
| 14 | 87.3% | 1.2% | 13.9% | 0.589 | 10.0% | 0.717 |
| 15 | 88.3% | 1.0% | 12.7% | 0.566 | 9.2% | 0.720 |
| 16 | 89.4% | 1.0% | 11.7% | 0.544 | 8.5% | 0.724 |
| 17 | 90.1% | 0.7% | 10.6% | 0.524 | 7.7% | 0.727 |
| 18 | 90.8% | 0.7% | 9.9% | 0.503 | 7.3% | 0.736 |
| 19 | 91.4% | 0.6% | 9.2% | 0.484 | 6.9% | 0.746 |
| 20 | 92.1% | 0.6% | 8.6% | 0.465 | 6.5% | 0.757 |
| 21 | 92.7% | 0.6% | 7.9% | 0.448 | 6.1% | 0.769 |
| 22 | 93.4% | 0.6% | 7.3% | 0.430 | 5.7% | 0.781 |
| 23 | 94.1% | 0.7% | 6.6% | 0.414 | 5.2% | 0.792 |
| 24 | 94.7% | 0.7% | 5.9% | 0.398 | 4.8% | 0.801 |
| 25 | 95.4% | 0.7% | 5.3% | 0.383 | 4.3% | 0.809 |
| 26 | 95.9% | 0.6% | 4.6% | 0.368 | 3.8% | 0.816 |
| 27 | 96.5% | 0.6% | 4.1% | 0.354 | 3.3% | 0.825 |
| 28 | 97.1% | 0.6% | 3.5% | 0.340 | 2.9% | 0.831 |
| 29 | 97.7% | 0.6% | 2.9% | 0.327 | 2.4% | 0.833 |
| 30 | 98.3% | 0.6% | 2.3% | 0.314 | 1.9% | 0.827 |
| 31 | 98.5% | 0.2% | 1.7% | 0.302 | 1.4% | 0.806 |
| 32 | 98.6% | 0.1% | 1.5% | 0.291 | 1.3% | 0.816 |
| 33 | 98.7% | 0.1% | 1.4% | 0.280 | 1.2% | 0.837 |
| 34 | 98.7% | 0.1% | 1.3% | 0.269 | 1.2% | 0.859 |
| 35 | 98.8% | 0.1% | 1.3% | 0.258 | 1.1% | 0.888 |
| 36 | 98.9% | 0.1% | 1.2% | 0.248 | 1.1% | 0.916 |
| 37 | 99.0% | 0.1% | 1.1% | 0.239 | 1.0% | 0.946 |
| 38 | 100.0% | 1.0% | 1.0% | 0.230 | 1.0% | 0.981 |
| 39 | 100.0% | 0.0% | 0.0% | 0.221 | 0.0% | 1.000 |
| 40 | 100.0% | 0.0% | 0.0% | 0.212 | 0.0% | 1.000 |
| 41 | 100.0% | 0.0% | 0.0% | 0.204 | 0.0% | 1.000 |
| 42 | 100.0% | 0.0% | 0.0% | 0.196 | 0.0% | 1.000 |
| 43 | 100.0% | 0.0% | 0.0% | 0.189 | 0.0% | 1.000 |
| 44 | 100.0% | 0.0% | 0.0% | 0.182 | 0.0% | 1.000 |

Notes:

- (2) - Per City's historical paid loss development factors.
- (3) - Cumulative Payment Pattern for current year less Cumulative Payment Pattern for prior year.
- (4) = 1 - Cumulative Payment Pattern for prior year.
- (5) & (6) - Per AMI calculations.
- (7) = (6) / (4).

Assumptions:

| | |
|-----------------|------|
| Rate of Return: | 4.0% |
| Starting Year: | 0 |
| Ending Year: | 39 |

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF DISCOUNT FACTORS
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
LIMITED TO RETENTION

| (1) <i>Payment Year</i> | (2) <i>Cumulative Payment Pattern</i> | (3) <i>Incremental payments</i> | (4) <i>Remaining Payments at Beginning of Period</i> | (5) <i>Discount Factor</i> | (6) <i>Present Value of Remaining Payments</i> | (7) <i>Present Value Discount Factor</i> |
|--------------------------------|--|--|---|-----------------------------------|---|---|
| 1 | 29.7% | 29.7% | 100.0% | 0.981 | 87.6% | 0.876 |
| 2 | 58.7% | 29.0% | 70.3% | 0.943 | 60.8% | 0.865 |
| 3 | 75.2% | 16.5% | 41.3% | 0.907 | 33.7% | 0.815 |
| 4 | 80.4% | 5.2% | 24.8% | 0.872 | 18.2% | 0.734 |
| 5 | 82.5% | 2.1% | 19.6% | 0.838 | 13.6% | 0.695 |
| 6 | 84.1% | 1.6% | 17.5% | 0.806 | 12.0% | 0.687 |
| 7 | 85.2% | 1.1% | 15.9% | 0.775 | 10.9% | 0.684 |
| 8 | 86.3% | 1.1% | 14.8% | 0.745 | 10.2% | 0.689 |
| 9 | 87.4% | 1.1% | 13.7% | 0.717 | 9.5% | 0.693 |
| 10 | 88.3% | 0.9% | 12.6% | 0.689 | 8.7% | 0.694 |
| 11 | 89.1% | 0.9% | 11.7% | 0.662 | 8.2% | 0.699 |
| 12 | 90.0% | 0.9% | 10.9% | 0.637 | 7.7% | 0.704 |
| 13 | 90.8% | 0.8% | 10.0% | 0.612 | 7.1% | 0.706 |
| 14 | 91.5% | 0.7% | 9.2% | 0.589 | 6.6% | 0.711 |
| 15 | 92.0% | 0.6% | 8.5% | 0.566 | 6.1% | 0.717 |
| 16 | 92.6% | 0.5% | 8.0% | 0.544 | 5.8% | 0.727 |
| 17 | 93.1% | 0.6% | 7.4% | 0.524 | 5.5% | 0.737 |
| 18 | 93.7% | 0.6% | 6.9% | 0.503 | 5.1% | 0.746 |
| 19 | 94.2% | 0.5% | 6.3% | 0.484 | 4.8% | 0.754 |
| 20 | 94.7% | 0.5% | 5.8% | 0.465 | 4.4% | 0.763 |
| 21 | 95.3% | 0.6% | 5.3% | 0.448 | 4.1% | 0.770 |
| 22 | 95.9% | 0.6% | 4.7% | 0.430 | 3.6% | 0.775 |
| 23 | 96.5% | 0.6% | 4.1% | 0.414 | 3.2% | 0.776 |
| 24 | 97.1% | 0.6% | 3.5% | 0.398 | 2.7% | 0.770 |
| 25 | 97.6% | 0.6% | 2.9% | 0.383 | 2.2% | 0.758 |
| 26 | 97.9% | 0.2% | 2.4% | 0.368 | 1.7% | 0.731 |
| 27 | 98.0% | 0.1% | 2.1% | 0.354 | 1.6% | 0.734 |
| 28 | 98.1% | 0.1% | 2.0% | 0.340 | 1.5% | 0.748 |
| 29 | 98.2% | 0.1% | 1.9% | 0.327 | 1.5% | 0.767 |
| 30 | 98.3% | 0.1% | 1.8% | 0.314 | 1.4% | 0.781 |
| 31 | 98.4% | 0.1% | 1.7% | 0.302 | 1.4% | 0.800 |
| 32 | 98.5% | 0.1% | 1.6% | 0.291 | 1.3% | 0.820 |
| 33 | 98.6% | 0.1% | 1.5% | 0.280 | 1.3% | 0.842 |
| 34 | 98.7% | 0.1% | 1.4% | 0.269 | 1.2% | 0.866 |
| 35 | 98.8% | 0.1% | 1.3% | 0.258 | 1.1% | 0.888 |
| 36 | 98.9% | 0.1% | 1.2% | 0.248 | 1.1% | 0.915 |
| 37 | 99.0% | 0.1% | 1.1% | 0.239 | 1.0% | 0.946 |
| 38 | 100.0% | 1.0% | 1.0% | 0.230 | 1.0% | 1.000 |
| 39 | 100.0% | 0.0% | 0.0% | 0.221 | 0.0% | 1.000 |
| 40 | 100.0% | 0.0% | 0.0% | 0.212 | 0.0% | 1.000 |
| 41 | 100.0% | 0.0% | 0.0% | 0.204 | 0.0% | 1.000 |
| 42 | 100.0% | 0.0% | 0.0% | 0.196 | 0.0% | 1.000 |
| 43 | 100.0% | 0.0% | 0.0% | 0.189 | 0.0% | 1.000 |

Notes:

- (2) - Per City's historical paid loss development factors.
- (3) - Cumulative Payment Pattern for current year less Cumulative Payment Pattern for prior year.
- (4) = 1 - Cumulative Payment Pattern for prior year.
- (5) & (6) - Per AMI calculations.
- (7) = (6) / (4).

Assumptions:

Rate of Return: 4.0%
Starting Year: 0
Ending Year 38

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF DISCOUNT FACTORS
GENERAL LIABILITY
AS OF MARCH 31, 2018
LIMITED TO RETENTION

| (1) <i>Payment Year</i> | (2) <i>Cumulative Payment Pattern</i> | (3) <i>Incremental payments</i> | (4) <i>Remaining Payments at Beginning of Period</i> | (5) <i>Discount Factor</i> | (6) <i>Present Value of Remaining Payments</i> | (7) <i>Present Value Discount Factor</i> |
|--------------------------------|--|--|---|-----------------------------------|---|---|
| 1 | 24.4% | 24.4% | 100.0% | 0.981 | 90.1% | 0.901 |
| 2 | 43.4% | 18.9% | 75.6% | 0.943 | 68.8% | 0.911 |
| 3 | 62.8% | 19.4% | 56.6% | 0.907 | 52.3% | 0.923 |
| 4 | 80.1% | 17.3% | 37.2% | 0.872 | 34.5% | 0.928 |
| 5 | 86.5% | 6.4% | 19.9% | 0.838 | 18.2% | 0.917 |
| 6 | 93.2% | 6.7% | 13.5% | 0.806 | 12.4% | 0.923 |
| 7 | 95.7% | 2.5% | 6.8% | 0.775 | 6.1% | 0.901 |
| 8 | 96.5% | 0.8% | 4.3% | 0.745 | 3.8% | 0.888 |
| 9 | 97.2% | 0.8% | 3.5% | 0.717 | 3.2% | 0.903 |
| 10 | 97.9% | 0.7% | 2.8% | 0.689 | 2.5% | 0.916 |
| 11 | 98.5% | 0.6% | 2.1% | 0.662 | 1.9% | 0.931 |
| 12 | 99.1% | 0.6% | 1.5% | 0.637 | 1.4% | 0.948 |
| 13 | 99.7% | 0.6% | 0.9% | 0.612 | 0.9% | 0.964 |
| 14 | 99.9% | 0.2% | 0.3% | 0.589 | 0.3% | 0.968 |
| 15 | 100.0% | 0.1% | 0.1% | 0.566 | 0.1% | 0.981 |
| 16 | 100.0% | 0.0% | 0.0% | 0.544 | 0.0% | 1.000 |
| 17 | 100.0% | 0.0% | 0.0% | 0.524 | 0.0% | 1.000 |
| 18 | 100.0% | 0.0% | 0.0% | 0.503 | 0.0% | 1.000 |
| 19 | 100.0% | 0.0% | 0.0% | 0.484 | 0.0% | 1.000 |
| 20 | 100.0% | 0.0% | 0.0% | 0.465 | 0.0% | 1.000 |
| 21 | 100.0% | 0.0% | 0.0% | 0.448 | 0.0% | 1.000 |
| 22 | 100.0% | 0.0% | 0.0% | 0.430 | 0.0% | 1.000 |
| 23 | 100.0% | 0.0% | 0.0% | 0.414 | 0.0% | 1.000 |
| 24 | 100.0% | 0.0% | 0.0% | 0.398 | 0.0% | 1.000 |
| 25 | 100.0% | 0.0% | 0.0% | 0.383 | 0.0% | 1.000 |
| 26 | 100.0% | 0.0% | 0.0% | 0.368 | 0.0% | 1.000 |
| 27 | 100.0% | 0.0% | 0.0% | 0.354 | 0.0% | 1.000 |
| 28 | 100.0% | 0.0% | 0.0% | 0.340 | 0.0% | 1.000 |

Notes:

- (2) - Per City's historical paid loss development factors.
- (3) - Cumulative Payment Pattern for current year less Cumulative Payment Pattern for prior year.
- (4) = 1 - Cumulative Payment Pattern for prior year.
- (5) & (6) - Per AMI calculations.
- (7) = (6) / (4).

Assumptions:

Rate of Return: 4.0%
Starting Year: 0
Ending Year 16

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF DISCOUNT FACTORS
AUTOMOBILE LIABILITY
AS OF MARCH 31, 2018
LIMITED TO RETENTION

| (1) <i>Payment Year</i> | (2) <i>Cumulative Payment Pattern</i> | (3) <i>Incremental payments</i> | (4) <i>Remaining Payments at Beginning of Period</i> | (5) <i>Discount Factor</i> | (6) <i>Present Value of Remaining Payments</i> | (7) <i>Present Value Discount Factor</i> |
|--------------------------------|--|--|---|-----------------------------------|---|---|
| 1 | 22.9% | 22.9% | 100.0% | 0.981 | 92.0% | 0.920 |
| 2 | 51.2% | 28.3% | 77.1% | 0.943 | 72.3% | 0.938 |
| 3 | 75.0% | 23.8% | 48.8% | 0.907 | 46.4% | 0.950 |
| 4 | 89.8% | 14.9% | 25.0% | 0.872 | 24.0% | 0.958 |
| 5 | 96.2% | 6.4% | 10.2% | 0.838 | 9.8% | 0.963 |
| 6 | 99.2% | 3.0% | 3.8% | 0.806 | 3.7% | 0.971 |
| 7 | 99.8% | 0.6% | 0.8% | 0.775 | 0.8% | 0.971 |
| 8 | 100.0% | 0.2% | 0.2% | 0.745 | 0.2% | 0.981 |
| 9 | 100.0% | 0.0% | 0.0% | 0.717 | 0.0% | 1.000 |
| 10 | 100.0% | 0.0% | 0.0% | 0.689 | 0.0% | 1.000 |
| 11 | 100.0% | 0.0% | 0.0% | 0.662 | 0.0% | 1.000 |
| 12 | 100.0% | 0.0% | 0.0% | 0.637 | 0.0% | 1.000 |
| 13 | 100.0% | 0.0% | 0.0% | 0.612 | 0.0% | 1.000 |
| 14 | 100.0% | 0.0% | 0.0% | 0.589 | 0.0% | 1.000 |
| 15 | 100.0% | 0.0% | 0.0% | 0.566 | 0.0% | 1.000 |
| 16 | 100.0% | 0.0% | 0.0% | 0.544 | 0.0% | 1.000 |
| 17 | 100.0% | 0.0% | 0.0% | 0.524 | 0.0% | 1.000 |
| 18 | 100.0% | 0.0% | 0.0% | 0.503 | 0.0% | 1.000 |
| 19 | 100.0% | 0.0% | 0.0% | 0.484 | 0.0% | 1.000 |
| 20 | 100.0% | 0.0% | 0.0% | 0.465 | 0.0% | 1.000 |
| 21 | 100.0% | 0.0% | 0.0% | 0.448 | 0.0% | 1.000 |
| 22 | 100.0% | 0.0% | 0.0% | 0.430 | 0.0% | 1.000 |
| 23 | 100.0% | 0.0% | 0.0% | 0.414 | 0.0% | 1.000 |
| 24 | 100.0% | 0.0% | 0.0% | 0.398 | 0.0% | 1.000 |
| 25 | 100.0% | 0.0% | 0.0% | 0.383 | 0.0% | 1.000 |
| 26 | 100.0% | 0.0% | 0.0% | 0.368 | 0.0% | 1.000 |
| 27 | 100.0% | 0.0% | 0.0% | 0.354 | 0.0% | 1.000 |
| 28 | 100.0% | 0.0% | 0.0% | 0.340 | 0.0% | 1.000 |
| 29 | 100.0% | 0.0% | 0.0% | 0.327 | 0.0% | 1.000 |

Notes:

- (2) - Per City's historical paid loss development factors.
- (3) - Cumulative Payment Pattern for current year less Cumulative Payment Pattern for prior year.
- (4) = 1 - Cumulative Payment Pattern for prior year.
- (5) & (6) - Per AMI calculations.
- (7) = (6) / (4).

Assumptions:

| | |
|-----------------|------|
| Rate of Return: | 4.0% |
| Starting Year: | 0 |
| Ending Year: | 9 |

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF DISCOUNTED RESERVES
WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | UNDISCOUNTED RESERVES | DISCOUNT FACTORS | DISCOUNTED RESERVES | FUTURE INVESTMENT INCOME |
|----------------|-----------------------|------------------|---------------------|--------------------------|
| | (1) | (2) | (3) | (4) |
| 1977 | \$0 | 1.000 | \$0 | \$0 |
| 1978 | 0 | 1.000 | 0 | 0 |
| 1979 | 0 | 1.000 | 0 | 0 |
| 1980 | 0 | 1.000 | 0 | 0 |
| 1981 | 0 | 1.000 | 0 | 0 |
| 1982 | 0 | 1.000 | 0 | 0 |
| 1983 | 0 | 1.000 | 0 | 0 |
| 1984 | 0 | 1.000 | 0 | 0 |
| 1985 | 0 | 1.000 | 0 | 0 |
| 1986 | 0 | 1.000 | 0 | 0 |
| 1987 | 0 | 1.000 | 0 | 0 |
| 1988 | 0 | 1.000 | 0 | 0 |
| 1989 | 0 | 1.000 | 0 | 0 |
| 1990 | 0 | 1.000 | 0 | 0 |
| 1991 | 0 | 1.000 | 0 | 0 |
| 1992 | 0 | 1.000 | 0 | 0 |
| 1993 | 0 | 1.000 | 0 | 0 |
| 1994 | 0 | 1.000 | 0 | 0 |
| 1995 | 0 | 1.000 | 0 | 0 |
| 1996 | 0 | 1.000 | 0 | 0 |
| 1997 | 0 | 1.000 | 0 | 0 |
| 1998 | 0 | 1.000 | 0 | 0 |
| 1999 | 0 | 1.000 | 0 | 0 |
| 2000 | 237 | 1.000 | 237 | 0 |
| 2001 | 0 | 0.990 | 0 | 0 |
| 2002 | 29 | 0.972 | 28 | 1 |
| 2003 | 295 | 0.954 | 282 | 14 |
| 2004 | 506 | 0.935 | 473 | 33 |
| 2005 | 503 | 0.917 | 461 | 42 |
| 2006 | 1,309 | 0.899 | 1,178 | 132 |
| 2007 | 1,028 | 0.882 | 906 | 122 |
| 2008 | 356 | 0.863 | 308 | 49 |
| 2009 | 749 | 0.845 | 633 | 116 |
| 2010 | 1,180 | 0.828 | 976 | 203 |
| 2011 | 1,028 | 0.810 | 833 | 196 |
| 2012 | 2,389 | 0.792 | 1,891 | 498 |
| 2013 | 2,218 | 0.774 | 1,717 | 500 |
| 2014 | 4,061 | 0.761 | 3,089 | 973 |
| 2015 | 4,594 | 0.752 | 3,454 | 1,141 |
| 2016 | 5,038 | 0.747 | 3,762 | 1,275 |
| 2017 | 6,130 | 0.743 | 4,557 | 1,573 |
| 2018 | 3,435 | 0.740 | 2,541 | 894 |
| TOTAL | \$35,088 | | \$27,327 | \$7,761 |

Notes:

- (1) - Exhibit I, Page 1, Column (7).
- (2) - Per AMI calculations, see Exhibit IX, Page 1 .
- (3) = (1) x (2).
- (4) = (1) - (3).
- *Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.
- *Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF DISCOUNTED RESERVES
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | UNDISCOUNTED RESERVES | DISCOUNT FACTORS | DISCOUNTED RESERVES | FUTURE INVESTMENT INCOME |
|-------------------|--------------------------|---------------------|------------------------|--------------------------------|
| | (1) | (2) | (3) | (4) |
| 1977 | \$0 | 1.000 | \$0 | \$0 |
| 1978 | 0 | 1.000 | 0 | 0 |
| 1979 | 0 | 1.000 | 0 | 0 |
| 1980 | 0 | 1.000 | 0 | 0 |
| 1981 | 42 | 1.000 | 42 | 0 |
| 1982 | 0 | 1.000 | 0 | 0 |
| 1983 | 60 | 1.000 | 60 | 0 |
| 1984 | 42 | 1.000 | 42 | 0 |
| 1985 | 0 | 1.000 | 0 | 0 |
| 1986 | 41 | 1.000 | 41 | 0 |
| 1987 | 0 | 1.000 | 0 | 0 |
| 1988 | 0 | 1.000 | 0 | 0 |
| 1989 | 136 | 1.000 | 136 | 0 |
| 1990 | 158 | 1.000 | 158 | 0 |
| 1991 | 89 | 1.000 | 89 | 0 |
| 1992 | 106 | 1.000 | 106 | 0 |
| 1993 | 76 | 1.000 | 76 | 0 |
| 1994 | 134 | 0.990 | 133 | 1 |
| 1995 | 647 | 0.971 | 628 | 19 |
| 1996 | 1,664 | 0.953 | 1,586 | 78 |
| 1997 | 420 | 0.935 | 393 | 27 |
| 1998 | 1,106 | 0.918 | 1,016 | 90 |
| 1999 | 931 | 0.902 | 840 | 92 |
| 2000 | 1,744 | 0.888 | 1,549 | 195 |
| 2001 | 3,131 | 0.876 | 2,743 | 387 |
| 2002 | 1,437 | 0.864 | 1,242 | 195 |
| 2003 | 1,800 | 0.852 | 1,534 | 266 |
| 2004 | 1,511 | 0.839 | 1,267 | 244 |
| 2005 | 1,788 | 0.825 | 1,475 | 314 |
| 2006 | 1,378 | 0.811 | 1,118 | 261 |
| 2007 | 1,162 | 0.796 | 925 | 237 |
| 2008 | 1,195 | 0.781 | 932 | 262 |
| 2009 | 869 | 0.765 | 665 | 204 |
| 2010 | 1,598 | 0.748 | 1,196 | 402 |
| 2011 | 1,626 | 0.732 | 1,190 | 436 |
| 2012 | 2,341 | 0.715 | 1,675 | 666 |
| 2013 | 2,434 | 0.699 | 1,702 | 732 |
| 2014 | 2,022 | 0.688 | 1,391 | 632 |
| 2015 | 3,684 | 0.681 | 2,509 | 1,175 |
| 2016 | 3,394 | 0.677 | 2,296 | 1,097 |
| 2017 | 3,317 | 0.675 | 2,239 | 1,078 |
| 2018 | 1,890 | 0.675 | 1,276 | 614 |
| TOTAL | \$43,973 | | \$34,269 | \$9,705 |

Notes:

(1) - Exhibit II, Page 1, Column (7).

(2) - Per AMI calculations, see Exhibit IX, Page 2.

(3) = (1) x (2).

(4) = (1) - (3).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF DISCOUNTED RESERVES
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | UNDISCOUNTED RESERVES | DISCOUNT FACTORS | DISCOUNTED RESERVES | FUTURE INVESTMENT INCOME |
|----------------|-----------------------|------------------|---------------------|--------------------------|
| | (1) | (2) | (3) | (4) |
| 1978 | 0 | 1.000 | 0 | 0 |
| 1979 | 47 | 1.000 | 47 | 0 |
| 1980 | 0 | 1.000 | 0 | 0 |
| 1981 | 0 | 1.000 | 0 | 0 |
| 1982 | 0 | 0.990 | 0 | 0 |
| 1983 | 1 | 0.969 | 1 | 0 |
| 1984 | 2 | 0.940 | 2 | 0 |
| 1985 | 81 | 0.903 | 73 | 8 |
| 1986 | 1 | 0.904 | 1 | 0 |
| 1987 | 6 | 0.922 | 5 | 0 |
| 1988 | 6 | 0.919 | 6 | 0 |
| 1989 | 10 | 0.910 | 9 | 1 |
| 1990 | 45 | 0.897 | 40 | 5 |
| 1991 | 40 | 0.883 | 35 | 5 |
| 1992 | 22 | 0.869 | 19 | 3 |
| 1993 | 144 | 0.854 | 123 | 21 |
| 1994 | 31 | 0.839 | 26 | 5 |
| 1995 | 25 | 0.824 | 21 | 4 |
| 1996 | 31 | 0.810 | 25 | 6 |
| 1997 | 25 | 0.796 | 19 | 5 |
| 1998 | 51 | 0.782 | 40 | 11 |
| 1999 | 125 | 0.768 | 96 | 29 |
| 2000 | 406 | 0.754 | 306 | 100 |
| 2001 | 307 | 0.758 | 233 | 74 |
| 2002 | 296 | 0.782 | 231 | 64 |
| 2003 | 627 | 0.801 | 502 | 125 |
| 2004 | 357 | 0.806 | 288 | 69 |
| 2005 | 384 | 0.805 | 309 | 75 |
| 2006 | 712 | 0.799 | 569 | 143 |
| 2007 | 575 | 0.791 | 455 | 120 |
| 2008 | 784 | 0.783 | 614 | 170 |
| 2009 | 777 | 0.778 | 604 | 172 |
| 2010 | 869 | 0.774 | 672 | 196 |
| 2011 | 960 | 0.769 | 739 | 222 |
| 2012 | 970 | 0.763 | 740 | 230 |
| 2013 | 1,257 | 0.755 | 950 | 308 |
| 2014 | 1,102 | 0.749 | 825 | 277 |
| 2015 | 1,225 | 0.743 | 910 | 315 |
| 2016 | 1,522 | 0.740 | 1,127 | 396 |
| 2017 | 2,366 | 0.765 | 1,811 | 555 |
| 2018 | 1,719 | 0.806 | 1,385 | 334 |
| TOTAL | \$17,907 | | \$13,858 | \$4,049 |

Notes:

- (1) - Exhibit III, Page 1, Column (7).
- (2) - Per AMI calculations, see Exhibit IX, Page 3.
- (3) = (1) x (2).
- (4) = (1) - (3).
- *Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF DISCOUNTED RESERVES
WORKERS' COMPENSATION - FIRE NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | UNDISCOUNTED RESERVES | DISCOUNT FACTORS | DISCOUNTED RESERVES | FUTURE INVESTMENT INCOME |
|----------------|-----------------------|------------------|---------------------|--------------------------|
| | (1) | (2) | (3) | (4) |
| 1978 | 0 | 1.000 | 0 | 0 |
| 1979 | 0 | 1.000 | 0 | 0 |
| 1980 | 0 | 1.000 | 0 | 0 |
| 1981 | 0 | 1.000 | 0 | 0 |
| 1982 | 0 | 1.000 | 0 | 0 |
| 1983 | 0 | 1.000 | 0 | 0 |
| 1984 | 142 | 1.000 | 142 | 0 |
| 1985 | 0 | 0.990 | 0 | 0 |
| 1986 | 9 | 0.971 | 9 | 0 |
| 1987 | 2 | 0.953 | 2 | 0 |
| 1988 | 15 | 0.937 | 14 | 1 |
| 1989 | 151 | 0.920 | 139 | 12 |
| 1990 | 12 | 0.916 | 11 | 1 |
| 1991 | 77 | 0.921 | 71 | 6 |
| 1992 | 111 | 0.914 | 102 | 10 |
| 1993 | 17 | 0.901 | 15 | 2 |
| 1994 | 134 | 0.890 | 119 | 15 |
| 1995 | 11 | 0.884 | 10 | 1 |
| 1996 | 129 | 0.876 | 113 | 16 |
| 1997 | 321 | 0.869 | 279 | 42 |
| 1998 | 63 | 0.865 | 54 | 8 |
| 1999 | 594 | 0.860 | 511 | 83 |
| 2000 | 137 | 0.854 | 117 | 20 |
| 2001 | 241 | 0.847 | 204 | 37 |
| 2002 | 401 | 0.836 | 336 | 66 |
| 2003 | 919 | 0.827 | 759 | 159 |
| 2004 | 393 | 0.817 | 321 | 72 |
| 2005 | 696 | 0.806 | 561 | 135 |
| 2006 | 307 | 0.795 | 244 | 63 |
| 2007 | 525 | 0.786 | 412 | 112 |
| 2008 | 554 | 0.778 | 431 | 123 |
| 2009 | 855 | 0.768 | 657 | 198 |
| 2010 | 1,220 | 0.758 | 925 | 296 |
| 2011 | 668 | 0.748 | 499 | 168 |
| 2012 | 928 | 0.739 | 686 | 243 |
| 2013 | 755 | 0.728 | 550 | 205 |
| 2014 | 974 | 0.719 | 700 | 274 |
| 2015 | 1,245 | 0.709 | 883 | 362 |
| 2016 | 1,570 | 0.702 | 1,102 | 467 |
| 2017 | 1,998 | 0.726 | 1,450 | 548 |
| 2018 | 1,211 | 0.772 | 935 | 277 |
| TOTAL | \$17,385 | | \$13,363 | \$4,022 |

Notes:

(1) - Exhibit IV, Page 1, Column (7).

(2) - Per AMI calculations, see Exhibit IX, Page 4.

(3) = (1) x (2).

(4) = (1) - (3).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF DISCOUNTED RESERVES
WORKERS' COMPENSATION - OTHER CITY NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | UNDISCOUNTED RESERVES | DISCOUNT FACTORS | DISCOUNTED RESERVES | FUTURE INVESTMENT INCOME |
|----------------|-----------------------|------------------|---------------------|--------------------------|
| | (1) | (2) | (3) | (4) |
| 1978 and Prior | 16 | 1.000 | \$16 | \$0 |
| 1979 | 0 | 1.000 | 0 | 0 |
| 1980 | 0 | 1.000 | 0 | 0 |
| 1981 | 41 | 0.990 | 41 | 0 |
| 1982 | 62 | 0.963 | 60 | 2 |
| 1983 | 13 | 0.931 | 12 | 1 |
| 1984 | 33 | 0.902 | 30 | 3 |
| 1985 | 41 | 0.874 | 36 | 5 |
| 1986 | 13 | 0.848 | 11 | 2 |
| 1987 | 30 | 0.826 | 25 | 5 |
| 1988 | 69 | 0.811 | 56 | 13 |
| 1989 | 35 | 0.817 | 29 | 6 |
| 1990 | 70 | 0.830 | 58 | 12 |
| 1991 | 65 | 0.832 | 54 | 11 |
| 1992 | 145 | 0.828 | 120 | 25 |
| 1993 | 168 | 0.820 | 138 | 30 |
| 1994 | 32 | 0.813 | 26 | 6 |
| 1995 | 28 | 0.805 | 22 | 5 |
| 1996 | 61 | 0.796 | 49 | 12 |
| 1997 | 42 | 0.786 | 33 | 9 |
| 1998 | 50 | 0.775 | 39 | 11 |
| 1999 | 133 | 0.763 | 101 | 31 |
| 2000 | 79 | 0.752 | 59 | 20 |
| 2001 | 128 | 0.741 | 95 | 33 |
| 2002 | 220 | 0.732 | 161 | 59 |
| 2003 | 117 | 0.725 | 85 | 32 |
| 2004 | 111 | 0.722 | 80 | 31 |
| 2005 | 179 | 0.718 | 129 | 51 |
| 2006 | 168 | 0.714 | 120 | 48 |
| 2007 | 155 | 0.709 | 110 | 45 |
| 2008 | 294 | 0.702 | 207 | 88 |
| 2009 | 439 | 0.695 | 305 | 134 |
| 2010 | 385 | 0.687 | 265 | 120 |
| 2011 | 295 | 0.680 | 200 | 94 |
| 2012 | 575 | 0.674 | 388 | 187 |
| 2013 | 444 | 0.672 | 298 | 145 |
| 2014 | 467 | 0.677 | 317 | 151 |
| 2015 | 758 | 0.715 | 542 | 216 |
| 2016 | 1,056 | 0.762 | 805 | 251 |
| 2017 | 1,528 | 0.801 | 1,223 | 304 |
| 2018 | 1,191 | 0.834 | 993 | 198 |
| TOTAL | \$9,738 | | \$7,338 | \$2,400 |

Notes:

- (1) - Exhibit V, Page 1, Column (7).
 - (2) - Per AMI calculations, see Exhibit IX, Page 5.
 - (3) = (1) x (2).
 - (4) = (1) - (3).
- *Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF DISCOUNTED RESERVES
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

ALL NON-CITY AGENCIES COMBINED

| ACCIDENT YEAR* | UNDISCOUNTED RESERVES | DISCOUNT FACTORS | DISCOUNTED RESERVES | FUTURE INVESTMENT INCOME |
|----------------|-----------------------|------------------|---------------------|--------------------------|
| | (1) | (2) | (3) | (4) |
| 1978 and Prior | 0 | 1.000 | 0 | 0 |
| 1979 | 0 | 1.000 | 0 | 0 |
| 1980 | 27 | 1.000 | 27 | 0 |
| 1981 | 0 | 1.000 | 0 | 0 |
| 1982 | 0 | 0.973 | 0 | 0 |
| 1983 | 109 | 0.951 | 102 | 8 |
| 1984 | 0 | 0.902 | 0 | 0 |
| 1985 | 0 | 0.877 | 0 | 0 |
| 1986 | 0 | 0.854 | 0 | 0 |
| 1987 | 33 | 0.831 | 27 | 5 |
| 1988 | 0 | 0.810 | 0 | 0 |
| 1989 | 65 | 0.790 | 51 | 14 |
| 1990 | 0 | 0.774 | 0 | 0 |
| 1991 | 0 | 0.758 | 0 | 0 |
| 1992 | 0 | 0.741 | 0 | 0 |
| 1993 | 0 | 0.732 | 0 | 0 |
| 1994 | 21 | 0.744 | 16 | 5 |
| 1995 | 70 | 0.764 | 53 | 16 |
| 1996 | 89 | 0.773 | 69 | 20 |
| 1997 | 0 | 0.775 | 0 | 0 |
| 1998 | 0 | 0.772 | 0 | 0 |
| 1999 | 0 | 0.766 | 0 | 0 |
| 2000 | 0 | 0.758 | 0 | 0 |
| 2001 | 0 | 0.750 | 0 | 0 |
| 2002 | 0 | 0.741 | 0 | 0 |
| 2003 | 130 | 0.732 | 95 | 35 |
| 2004 | 204 | 0.722 | 147 | 57 |
| 2005 | 76 | 0.714 | 54 | 22 |
| 2006 | 130 | 0.709 | 92 | 38 |
| 2007 | 198 | 0.705 | 140 | 58 |
| 2008 | 191 | 0.702 | 134 | 57 |
| 2009 | 165 | 0.697 | 115 | 50 |
| 2010 | 0 | 0.693 | 0 | 0 |
| 2011 | 0 | 0.691 | 0 | 0 |
| 2012 | 223 | 0.687 | 153 | 70 |
| 2013 | 267 | 0.686 | 183 | 84 |
| 2014 | 402 | 0.691 | 278 | 124 |
| 2015 | 356 | 0.714 | 254 | 102 |
| 2016 | 602 | 0.775 | 466 | 136 |
| 2017 | 1,158 | 0.840 | 973 | 185 |
| 2018 | 801 | 0.871 | 697 | 104 |
| TOTAL | \$5,316 | | \$4,127 | \$1,189 |

DISCOUNTED RESERVES BY AGENCY

| ACCIDENT YEAR* | DISCOUNTED RESERVES | | | | | TOTAL |
|----------------|---------------------|--------------|--------------|--------------|--------------|----------------|
| | JEA | JEA-WS | JHA | JPA | JAA | |
| | (5) | (6) | (7) | (8) | (9) | |
| 1978 and Prior | 0 | 0 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1980 | 0 | 0 | 0 | 27 | 0 | 27 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1983 | 102 | 0 | 0 | 0 | 0 | 102 |
| 1984 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1987 | 27 | 0 | 0 | 0 | 0 | 27 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1989 | 27 | 24 | 0 | 0 | 0 | 51 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | 16 | 0 | 0 | 0 | 0 | 16 |
| 1995 | 53 | 0 | 0 | 0 | 0 | 53 |
| 1996 | 69 | 0 | 0 | 0 | 0 | 69 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2002 | 0 | 0 | 0 | 278 | 0 | 278 |
| 2003 | 95 | 0 | 0 | 0 | 0 | 95 |
| 2004 | 147 | 0 | 0 | 0 | 0 | 147 |
| 2005 | 54 | 0 | 0 | 0 | 0 | 54 |
| 2006 | 92 | 0 | 0 | 0 | 0 | 92 |
| 2007 | 13 | 126 | 0 | 0 | 0 | 140 |
| 2008 | 4 | 130 | 0 | 0 | 0 | 134 |
| 2009 | 0 | 0 | 115 | 0 | 0 | 115 |
| 2010 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2011 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2012 | 78 | 0 | 0 | 75 | 0 | 153 |
| 2013 | 64 | 119 | 0 | 0 | 0 | 183 |
| 2014 | 278 | 0 | 0 | 0 | 0 | 278 |
| 2015 | 123 | 0 | 0 | 0 | 131 | 254 |
| 2016 | 197 | 28 | 200 | 0 | 42 | 466 |
| 2017 | 796 | 42 | 73 | 51 | 12 | 973 |
| 2018 | 280 | 195 | 29 | 86 | 107 | 697 |
| TOTAL | \$2,514 | \$665 | \$417 | \$239 | \$292 | \$4,127 |

Notes:
(1) - Exhibit VI, Page 1, Column (7).
(2) - Per AMI calculations, see Exhibit IX, Page 6.
(3) = (1) x (2).
(4) = (1) - (3).
(5) - (2) x Column (5) of Exhibit VI-A, Page 1.
(6) - (2) x Column (5) of Exhibit VI-B, Page 1.
(7) - (2) x Column (5) of Exhibit VI-C, Page 1.
(8) - (2) x Column (5) of Exhibit VI-D, Page 1.
(9) - (2) x Column (5) of Exhibit VI-E, Page 1.

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF DISCOUNTED RESERVES
GENERAL LIABILITY
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

CITY AND NON-CITY AGENCIES COMBINED

| ACCIDENT YEAR* | UNDISCOUNTED RESERVES | DISCOUNT FACTORS | DISCOUNTED RESERVES | FUTURE INVESTMENT INCOME |
|----------------|-----------------------|------------------|---------------------|--------------------------|
| | (1) | (2) | (3) | (4) |
| 1994 | \$0 | 1.000 | \$0 | \$0 |
| 1995 | 0 | 1.000 | 0 | 0 |
| 1996 | 0 | 1.000 | 0 | 0 |
| 1997 | 0 | 1.000 | 0 | 0 |
| 1998 | 0 | 1.000 | 0 | 0 |
| 1999 | 0 | 1.000 | 0 | 0 |
| 2000 | 0 | 1.000 | 0 | 0 |
| 2001 | 0 | 1.000 | 0 | 0 |
| 2002 | 0 | 1.000 | 0 | 0 |
| 2003 | 0 | 1.000 | 0 | 0 |
| 2004 | 0 | 0.981 | 0 | 0 |
| 2005 | 7 | 0.968 | 7 | 0 |
| 2006 | 27 | 0.964 | 26 | 1 |
| 2007 | 0 | 0.948 | 0 | 0 |
| 2008 | 0 | 0.931 | 0 | 0 |
| 2009 | 75 | 0.916 | 68 | 6 |
| 2010 | 137 | 0.903 | 124 | 13 |
| 2011 | 611 | 0.888 | 543 | 68 |
| 2012 | 287 | 0.901 | 258 | 29 |
| 2013 | 521 | 0.923 | 480 | 40 |
| 2014 | 761 | 0.917 | 699 | 63 |
| 2015 | 1,359 | 0.928 | 1,261 | 98 |
| 2016 | 1,978 | 0.923 | 1,825 | 153 |
| 2017 | 3,067 | 0.911 | 2,793 | 274 |
| 2018 | 1,687 | 0.901 | 1,520 | 167 |
| TOTAL | \$10,517 | | \$9,604 | \$913 |

DISCOUNTED RESERVES ALLOCATED TO CITY AND NON-CITY AGENCIES

| ACCIDENT YEAR* | DISCOUNTED RESERVES | | | | | | | | |
|----------------|----------------------------------|----------------|-------------|--------------|--------------|--------------|------------|------------|----------------|
| | CITY OTHER THAN SHERIFF AND FIRE | CITY SHERIFF | CITY FIRE | JEA | JEA-WS | JHA | JPA | JAA | TOTAL |
| | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) |
| 1994 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2005 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 2006 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 2007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2009 | 0 | 0 | 0 | 0 | 68 | 0 | 0 | 0 | 68 |
| 2010 | 0 | 43 | 0 | 81 | 0 | 0 | 0 | 0 | 124 |
| 2011 | 543 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 543 |
| 2012 | 238 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 258 |
| 2013 | 208 | 198 | 0 | 37 | 38 | 0 | 0 | 0 | 480 |
| 2014 | 352 | 208 | 0 | 84 | 55 | 0 | 0 | 0 | 699 |
| 2015 | 557 | 562 | 18 | 0 | 64 | 61 | 0 | 0 | 1,261 |
| 2016 | 1,091 | 375 | 0 | 190 | 53 | 115 | 0 | 0 | 1,825 |
| 2017 | 1,571 | 805 | 0 | 40 | 199 | 173 | 5 | 0 | 2,793 |
| 2018 | 855 | 210 | 3 | 148 | 305 | 0 | 0 | 0 | 1,520 |
| TOTAL | \$5,446 | \$2,422 | \$21 | \$581 | \$780 | \$350 | \$5 | \$0 | \$9,604 |

Notes:

- (1) - Exhibit VII, Page 1, Column (7).
- (2) - Per AMI calculations, see Exhibit IX, Page 7.
- (3) = (1) x (2).
- (4) = (1) - (3).
- (5) - (2) x Column (5) of Exhibit VII-A, Page 1.
- (6) - (2) x Column (5) of Exhibit VII-A, Page 3.
- (7) - (2) x Column (5) of Exhibit VII-A, Page 5.
- (8) - (2) x Column (5) of Exhibit VII-B, Page 1.
- (9) - (2) x Column (5) of Exhibit VII-C, Page 1.
- (10) - (2) x Column (5) of Exhibit VII-D, Page 1.
- (11) - (2) x Column (5) of Exhibit VII-E, Page 1.
- (12) - (2) x Column (5) of Exhibit VII-F, Page 1.
- (13) - Sum of Columns (5) to (12)

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF DISCOUNTED RESERVES
AUTOMOBILE LIABILITY
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

CITY AND NON-CITY AGENCIES COMBINED

| ACCIDENT YEAR* | UNDISCOUNTED RESERVES (1) | DISCOUNT FACTORS (2) | DISCOUNTED RESERVES (3) | FUTURE INVESTMENT INCOME (4) |
|----------------|------------------------------|-------------------------|----------------------------|---------------------------------|
| 1994 | \$0 | 1.000 | \$0 | \$0 |
| 1995 | 0 | 1.000 | 0 | 0 |
| 1996 | 0 | 1.000 | 0 | 0 |
| 1997 | 0 | 1.000 | 0 | 0 |
| 1998 | 0 | 1.000 | 0 | 0 |
| 1999 | 0 | 1.000 | 0 | 0 |
| 2000 | 0 | 1.000 | 0 | 0 |
| 2001 | 0 | 1.000 | 0 | 0 |
| 2002 | 0 | 1.000 | 0 | 0 |
| 2003 | 0 | 1.000 | 0 | 0 |
| 2004 | 0 | 1.000 | 0 | 0 |
| 2005 | 0 | 1.000 | 0 | 0 |
| 2006 | 0 | 1.000 | 0 | 0 |
| 2007 | 0 | 1.000 | 0 | 0 |
| 2008 | 15 | 1.000 | 15 | 0 |
| 2009 | 0 | 1.000 | 0 | 0 |
| 2010 | 18 | 1.000 | 18 | 0 |
| 2011 | 18 | 1.000 | 18 | 0 |
| 2012 | 8 | 0.981 | 8 | 0 |
| 2013 | 80 | 0.971 | 78 | 2 |
| 2014 | 265 | 0.971 | 257 | 8 |
| 2015 | 338 | 0.963 | 326 | 13 |
| 2016 | 692 | 0.958 | 663 | 29 |
| 2017 | 1,637 | 0.950 | 1,556 | 81 |
| 2018 | 964 | 0.938 | 905 | 60 |
| TOTAL | \$4,036 | | \$3,844 | \$193 |

DISCOUNTED RESERVES ALLOCATED TO CITY AND NON-CITY AGENCIES

| ACCIDENT YEAR* | DISCOUNTED RESERVES | | | | | | | | | TOTAL (13) |
|----------------|---|---------------------|------------------|--------------|---------------|-------------|-------------|-------------|------------|----------------|
| | CITY OTHER THAN SHERIFF AND FIRE (5) | CITY SHERIFF (6) | CITY FIRE (7) | JEA (8) | JEA-WS (9) | JHA (10) | JPA (11) | JAA (12) | | |
| 1994 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1996 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2005 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 2009 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2010 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| 2011 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| 2012 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 2013 | 0 | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 78 |
| 2014 | 115 | 64 | 19 | 58 | 0 | 0 | 0 | 0 | 0 | 257 |
| 2015 | 32 | 271 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 326 |
| 2016 | 63 | 376 | 144 | 80 | 0 | 0 | 0 | 0 | 0 | 663 |
| 2017 | 156 | 901 | 272 | 195 | 0 | 31 | 0 | 0 | 0 | 1,556 |
| 2018 | 138 | 416 | 39 | 306 | 0 | 0 | 6 | 0 | 0 | 905 |
| TOTAL | \$505 | \$2,151 | \$512 | \$639 | \$0 | \$31 | \$6 | \$0 | \$0 | \$3,844 |

Notes:

- (1) - Exhibit VIII, Page 1, Column (7).
 - (2) - Per AMI calculations, see Exhibit IX, Page 8.
 - (3) = (1) x (2).
 - (4) = (1) - (3).
 - (5) - (2) x Column (5) of Exhibit VIII-A, Page 1.
 - (6) - (2) x Column (5) of Exhibit VIII-A, Page 3.
 - (7) - (2) x Column (5) of Exhibit VIII-A, Page 5.
 - (8) - (2) x Column (5) of Exhibit VIII-B, Page 1.
 - (9) - (2) x Column (5) of Exhibit VIII-C, Page 1.
 - (10) - (2) x Column (5) of Exhibit VIII-D, Page 1.
 - (11) - (2) x Column (5) of Exhibit VIII-E, Page 1.
 - (12) - (2) x Column (5) of Exhibit VIII-F, Page 1.
 - (13) - Sum of Columns (5) to (12).
- *Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF PAID LOSS CASH FLOW - FISCAL YEAR 2018/2019
WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

EXPECTED CONFIDENCE LEVEL

| ACCIDENT YEARS* | ESTIMATED UNPAID @3/31/2018 (1) | EXPECTED % PAID DURING FY 2018/2019 (2) | RESERVE METHOD PROJECTED CASHFLOW FY 2018/2019 (3) |
|-----------------|------------------------------------|--|---|
| 1977 | \$0 | 0.00% | 0 |
| 1978 | 0 | 0.00% | 0 |
| 1979 | 0 | 0.00% | 0 |
| 1980 | 0 | 0.00% | 0 |
| 1981 | 0 | 0.00% | 0 |
| 1982 | 0 | 0.00% | 0 |
| 1983 | 0 | 0.00% | 0 |
| 1984 | 0 | 0.00% | 0 |
| 1985 | 0 | 0.00% | 0 |
| 1986 | 0 | 0.00% | 0 |
| 1987 | 0 | 0.00% | 0 |
| 1988 | 0 | 0.00% | 0 |
| 1989 | 0 | 0.00% | 0 |
| 1990 | 0 | 0.00% | 0 |
| 1991 | 0 | 0.00% | 0 |
| 1992 | 0 | 0.00% | 0 |
| 1993 | 0 | 0.00% | 0 |
| 1994 | 0 | 0.00% | 0 |
| 1995 | 0 | 0.00% | 0 |
| 1996 | 0 | 0.00% | 0 |
| 1997 | 0 | 0.00% | 0 |
| 1998 | 0 | 0.00% | 0 |
| 1999 | 0 | 0.00% | 0 |
| 2000 | 237 | 0.00% | 0 |
| 2001 | 0 | 0.00% | 0 |
| 2002 | 29 | 5.18% | 2 |
| 2003 | 295 | 5.96% | 18 |
| 2004 | 506 | 5.66% | 29 |
| 2005 | 503 | 5.38% | 27 |
| 2006 | 1,309 | 5.59% | 73 |
| 2007 | 1,028 | 5.35% | 55 |
| 2008 | 356 | 4.94% | 18 |
| 2009 | 749 | 4.59% | 34 |
| 2010 | 1,180 | 4.49% | 53 |
| 2011 | 1,028 | 4.14% | 43 |
| 2012 | 2,389 | 3.82% | 91 |
| 2013 | 2,218 | 3.71% | 82 |
| 2014 | 4,061 | 3.52% | 143 |
| 2015 | 4,594 | 5.25% | 241 |
| 2016 | 5,038 | 6.35% | 320 |
| 2017 | 6,130 | 8.28% | 508 |
| 2018 | 6,625 | 8.32% | 551 |
| 2019 | 6,823 | 9.48% | 647 |
| TOTAL | \$45,101 | | \$2,934 |

Notes:

- (1) - Exhibit I, Page 1, Column (6).
- (2) - Per AMI calculation based on selected factors in Exhibit I, Page 5E-5H.
- (3) = (1) x (2).
- *Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF PAID LOSS CASH FLOW - FISCAL YEAR 2018/2019
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | ESTIMATED UNPAID @3/31/2018 (1) | EXPECTED % PAID DURING FY 2018/2019 (2) | RESERVE METHOD PROJECTED CASHFLOW FY 2018/2019 (3) |
|-------------------|--|--|---|
| 1977 | \$0 | 0.00% | \$0 |
| 1978 | 0 | 0.00% | 0 |
| 1979 | 0 | 0.00% | 0 |
| 1980 | 0 | 0.00% | 0 |
| 1981 | 42 | 0.00% | 0 |
| 1982 | 0 | 0.00% | 0 |
| 1983 | 60 | 0.00% | 0 |
| 1984 | 42 | 0.00% | 0 |
| 1985 | 0 | 0.00% | 0 |
| 1986 | 41 | 0.00% | 0 |
| 1987 | 0 | 0.00% | 0 |
| 1988 | 0 | 0.00% | 0 |
| 1989 | 136 | 0.00% | 0 |
| 1990 | 158 | 0.00% | 0 |
| 1991 | 89 | 0.00% | 0 |
| 1992 | 106 | 0.00% | 0 |
| 1993 | 76 | 0.00% | 0 |
| 1994 | 134 | 0.00% | 0 |
| 1995 | 647 | 2.70% | 17 |
| 1996 | 1,664 | 2.76% | 46 |
| 1997 | 420 | 2.83% | 12 |
| 1998 | 1,106 | 2.91% | 32 |
| 1999 | 931 | 3.00% | 28 |
| 2000 | 1,744 | 3.00% | 52 |
| 2001 | 3,131 | 4.18% | 131 |
| 2002 | 1,437 | 4.07% | 59 |
| 2003 | 1,800 | 4.69% | 84 |
| 2004 | 1,511 | 4.45% | 67 |
| 2005 | 1,788 | 4.23% | 76 |
| 2006 | 1,378 | 4.39% | 61 |
| 2007 | 1,162 | 4.21% | 49 |
| 2008 | 1,195 | 3.89% | 47 |
| 2009 | 869 | 3.61% | 31 |
| 2010 | 1,598 | 3.34% | 53 |
| 2011 | 1,626 | 3.08% | 50 |
| 2012 | 2,341 | 2.86% | 67 |
| 2013 | 2,434 | 2.65% | 65 |
| 2014 | 2,022 | 2.57% | 52 |
| 2015 | 3,684 | 4.58% | 169 |
| 2016 | 3,394 | 4.98% | 169 |
| 2017 | 3,317 | 5.94% | 197 |
| 2018 | 2,112 | 7.15% | 151 |
| 2019 | 4,469 | 7.92% | 354 |
| TOTAL | \$48,665 | | \$2,118 |

Notes:

- (1) - Exhibit II, Page 1, Column (6).
- (2) - Per AMI calculation based on selected factors in Exhibit II, Page 5E-5H.
- (3) = (1) x (2).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF PAID LOSS CASH FLOW - FISCAL YEAR 2018/2019
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | ESTIMATED UNPAID @3/31/2018 | EXPECTED % PAID DURING FY 2018/2019 | RESERVE METHOD PROJECTED CASHFLOW FY 2018/2019 |
|----------------|-----------------------------|-------------------------------------|--|
| | (1) | (2) | (3) |
| 1978 | 0 | 0.00% | 0 |
| 1979 | 47 | 0.00% | 0 |
| 1980 | 0 | 0.00% | 0 |
| 1981 | 0 | 0.00% | 0 |
| 1982 | 0 | 0.00% | 0 |
| 1983 | 1 | 0.15% | 0 |
| 1984 | 2 | 0.10% | 0 |
| 1985 | 81 | 0.00% | 0 |
| 1986 | 1 | 0.00% | 0 |
| 1987 | 6 | 0.30% | 0 |
| 1988 | 6 | 0.33% | 0 |
| 1989 | 10 | 0.39% | 0 |
| 1990 | 45 | 0.39% | 0 |
| 1991 | 40 | 0.39% | 0 |
| 1992 | 22 | 0.39% | 0 |
| 1993 | 144 | 0.39% | 1 |
| 1994 | 31 | 0.39% | 0 |
| 1995 | 25 | 0.39% | 0 |
| 1996 | 31 | 0.38% | 0 |
| 1997 | 25 | 0.38% | 0 |
| 1998 | 51 | 0.38% | 0 |
| 1999 | 125 | 0.38% | 0 |
| 2000 | 406 | 0.37% | 1 |
| 2001 | 307 | 0.36% | 1 |
| 2002 | 296 | 1.39% | 4 |
| 2003 | 627 | 2.26% | 14 |
| 2004 | 357 | 2.21% | 8 |
| 2005 | 384 | 2.15% | 8 |
| 2006 | 712 | 2.10% | 15 |
| 2007 | 575 | 2.05% | 12 |
| 2008 | 784 | 2.00% | 16 |
| 2009 | 777 | 2.36% | 18 |
| 2010 | 869 | 2.84% | 25 |
| 2011 | 960 | 3.08% | 30 |
| 2012 | 970 | 3.22% | 31 |
| 2013 | 1,257 | 3.26% | 41 |
| 2014 | 1,102 | 3.11% | 34 |
| 2015 | 1,225 | 3.88% | 48 |
| 2016 | 1,522 | 3.89% | 59 |
| 2017 | 2,366 | 5.53% | 131 |
| 2018 | 4,406 | 21.05% | 927 |
| 2019 | 4,057 | 27.75% | 1,126 |
| TOTAL | \$24,651 | | \$2,551 |

Notes:

- (1) - Exhibit III, Page 1, Column (6).
 - (2) - Per AMI calculation based on selected factors in Exhibit III, Page 5E-5H.
 - (3) = (1) x (2).
- *Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF PAID LOSS CASH FLOW - FISCAL YEAR 2018/2019
WORKERS' COMPENSATION - FIRE NON-HEART & HYPERTENSION CLAIM
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | ESTIMATED UNPAID @3/31/2018 (1) | EXPECTED % PAID DURING FY 2018/2019 (2) | RESERVE METHOD PROJECTED CASHFLOW FY 2018/2019 (3) |
|-------------------|--|--|---|
| 1978 | 0 | 0.00% | 0 |
| 1979 | 0 | 0.00% | 0 |
| 1980 | 0 | 0.00% | 0 |
| 1981 | 0 | 0.00% | 0 |
| 1982 | 0 | 0.00% | 0 |
| 1983 | 0 | 0.00% | 0 |
| 1984 | 142 | 0.00% | 0 |
| 1985 | 0 | 0.00% | 0 |
| 1986 | 9 | 0.10% | 0 |
| 1987 | 2 | 0.10% | 0 |
| 1988 | 15 | 0.10% | 0 |
| 1989 | 151 | 0.14% | 0 |
| 1990 | 12 | 0.09% | 0 |
| 1991 | 77 | 0.44% | 0 |
| 1992 | 111 | 0.52% | 1 |
| 1993 | 17 | 0.49% | 0 |
| 1994 | 134 | 0.46% | 1 |
| 1995 | 11 | 0.74% | 0 |
| 1996 | 129 | 0.90% | 1 |
| 1997 | 321 | 0.91% | 3 |
| 1998 | 63 | 1.28% | 1 |
| 1999 | 594 | 1.61% | 10 |
| 2000 | 137 | 1.62% | 2 |
| 2001 | 241 | 2.04% | 5 |
| 2002 | 401 | 1.99% | 8 |
| 2003 | 919 | 1.92% | 18 |
| 2004 | 393 | 2.26% | 9 |
| 2005 | 696 | 2.16% | 15 |
| 2006 | 307 | 2.32% | 7 |
| 2007 | 525 | 2.27% | 12 |
| 2008 | 554 | 2.87% | 16 |
| 2009 | 855 | 2.79% | 24 |
| 2010 | 1,220 | 2.69% | 33 |
| 2011 | 668 | 2.58% | 17 |
| 2012 | 928 | 3.08% | 29 |
| 2013 | 755 | 2.93% | 22 |
| 2014 | 974 | 2.79% | 27 |
| 2015 | 1,245 | 3.16% | 39 |
| 2016 | 1,570 | 2.98% | 47 |
| 2017 | 1,998 | 4.20% | 84 |
| 2018 | 2,517 | 18.58% | 468 |
| 2019 | 2,667 | 26.89% | 717 |
| TOTAL | \$21,358 | | \$1,615 |

Notes:

(1) - Exhibit IV, Page 1, Column (6).

(2) - Per AMI calculation based on selected factors in Exhibit IV, Page 5E-5H.

(3) = (1) x (2).

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF PAID LOSS CASH FLOW - FISCAL YEAR 2018/2019
WORKERS' COMPENSATION - OTHER CITY NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | ESTIMATED UNPAID @3/31/2018 | EXPECTED % PAID DURING FY 2018/2019 | RESERVE METHOD PROJECTED CASHFLOW FY 2018/2019 |
|----------------|-----------------------------|-------------------------------------|--|
| | (1) | (2) | (3) |
| 1978 and Prior | 16 | 0.00% | \$0 |
| 1979 | 0 | 0.00% | 0 |
| 1980 | 0 | 0.00% | 0 |
| 1981 | 41 | 0.00% | 0 |
| 1982 | 62 | 0.99% | 1 |
| 1983 | 13 | 0.10% | 0 |
| 1984 | 33 | 0.10% | 0 |
| 1985 | 41 | 0.10% | 0 |
| 1986 | 13 | 0.06% | 0 |
| 1987 | 30 | 0.10% | 0 |
| 1988 | 69 | 0.10% | 0 |
| 1989 | 35 | 0.19% | 0 |
| 1990 | 70 | 0.59% | 0 |
| 1991 | 65 | 0.58% | 0 |
| 1992 | 145 | 0.58% | 1 |
| 1993 | 168 | 0.58% | 1 |
| 1994 | 32 | 0.57% | 0 |
| 1995 | 28 | 0.66% | 0 |
| 1996 | 61 | 0.66% | 0 |
| 1997 | 42 | 0.68% | 0 |
| 1998 | 50 | 0.65% | 0 |
| 1999 | 133 | 0.64% | 1 |
| 2000 | 79 | 0.63% | 0 |
| 2001 | 128 | 0.64% | 1 |
| 2002 | 220 | 0.73% | 2 |
| 2003 | 117 | 0.73% | 1 |
| 2004 | 111 | 1.05% | 1 |
| 2005 | 179 | 1.05% | 2 |
| 2006 | 168 | 1.20% | 2 |
| 2007 | 155 | 1.17% | 2 |
| 2008 | 294 | 1.16% | 3 |
| 2009 | 439 | 1.16% | 5 |
| 2010 | 385 | 1.15% | 4 |
| 2011 | 295 | 1.22% | 4 |
| 2012 | 575 | 1.26% | 7 |
| 2013 | 444 | 1.41% | 6 |
| 2014 | 467 | 1.98% | 9 |
| 2015 | 758 | 2.90% | 22 |
| 2016 | 1,056 | 10.89% | 115 |
| 2017 | 1,528 | 10.60% | 162 |
| 2018 | 2,571 | 24.88% | 640 |
| 2019 | 2,932 | 26.27% | 770 |
| TOTAL | \$14,050 | | \$1,765 |

Notes:

- (1) - Exhibit V, Page 1, Column (6).
- (2) - Per AMI calculation based on selected factors in Exhibit V, Page 5E-5H.
- (3) = (1) x (2).
- *Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PAID LOSS CASH FLOW - FISCAL YEAR 2018/2019
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Electric Authority
(\$AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEARS* | ESTIMATED UNPAID @ 3/31/2018 | EXPECTED % PAID DURING FY 2018/2019 | RESERVE METHOD PROJECTED CASHFLOW FY 2018/2019 |
|--------------------|------------------------------------|---|--|
| | (1) | (2) | (3) |
| 1978 and Prior | \$0 | 0.00% | \$0 |
| 1979 | 0 | 0.00% | 0 |
| 1980 | 0 | 0.00% | 0 |
| 1981 | 0 | 0.00% | 0 |
| 1982 | 0 | 0.99% | 0 |
| 1983 | 109 | 0.08% | 0 |
| 1984 | 0 | 0.10% | 0 |
| 1985 | 0 | 0.10% | 0 |
| 1986 | 0 | 0.13% | 0 |
| 1987 | 33 | 0.10% | 0 |
| 1988 | 0 | 0.10% | 0 |
| 1989 | 34 | 0.10% | 0 |
| 1990 | 0 | 0.10% | 0 |
| 1991 | 0 | 0.14% | 0 |
| 1992 | 0 | 0.09% | 0 |
| 1993 | 0 | 0.12% | 0 |
| 1994 | 21 | 0.21% | 0 |
| 1995 | 70 | 0.58% | 0 |
| 1996 | 89 | 0.58% | 1 |
| 1997 | 0 | 0.61% | 0 |
| 1998 | 0 | 0.57% | 0 |
| 1999 | 0 | 0.57% | 0 |
| 2000 | 0 | 0.53% | 0 |
| 2001 | 0 | 0.53% | 0 |
| 2002 | 0 | 0.57% | 0 |
| 2003 | 130 | 0.55% | 1 |
| 2004 | 204 | 0.53% | 1 |
| 2005 | 76 | 0.57% | 0 |
| 2006 | 130 | 0.68% | 1 |
| 2007 | 19 | 0.76% | 0 |
| 2008 | 5 | 0.89% | 0 |
| 2009 | 0 | 0.87% | 0 |
| 2010 | 0 | 0.87% | 0 |
| 2011 | 0 | 1.12% | 0 |
| 2012 | 113 | 1.10% | 1 |
| 2013 | 93 | 1.08% | 1 |
| 2014 | 402 | 1.58% | 6 |
| 2015 | 173 | 2.07% | 4 |
| 2016 | 254 | 5.23% | 13 |
| 2017 | 947 | 16.49% | 156 |
| 2018 | 921 | 29.01% | 267 |
| 2019 | 1,062 | 29.71% | 315 |
| TOTAL | \$4,885 | | \$769 |

Notes:

- (1)- Per Exhibit VI-A, Page 1, Column (5)
- (2) - Per AMI calculation based on selected factors in Exhibit VI, Page 5E-5H.
- (3) = (1) x (2).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PAID LOSS CASH FLOW - FISCAL YEAR 2018/2019
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Electric Authority-Water and Sewer
(\$AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEARS* | ESTIMATED UNPAID @ 3/31/2018 (1) | EXPECTED % PAID DURING FY 2018/2019 (2) | RESERVE METHOD PROJECTED CASHFLOW FY 2018/2019 (3) |
|-----------------|-------------------------------------|--|---|
| 1978 and Prior | \$0 | 0.00% | \$0 |
| 1979 | 0 | 0.00% | 0 |
| 1980 | 0 | 0.00% | 0 |
| 1981 | 0 | 0.00% | 0 |
| 1982 | 0 | 0.99% | 0 |
| 1983 | 0 | 0.08% | 0 |
| 1984 | 0 | 0.10% | 0 |
| 1985 | 0 | 0.10% | 0 |
| 1986 | 0 | 0.13% | 0 |
| 1987 | 0 | 0.10% | 0 |
| 1988 | 0 | 0.10% | 0 |
| 1989 | 31 | 0.10% | 0 |
| 1990 | 0 | 0.10% | 0 |
| 1991 | 0 | 0.14% | 0 |
| 1992 | 0 | 0.09% | 0 |
| 1993 | 0 | 0.12% | 0 |
| 1994 | 0 | 0.21% | 0 |
| 1995 | 0 | 0.58% | 0 |
| 1996 | 0 | 0.58% | 0 |
| 1997 | 0 | 0.61% | 0 |
| 1998 | 0 | 0.57% | 0 |
| 1999 | 0 | 0.57% | 0 |
| 2000 | 0 | 0.53% | 0 |
| 2001 | 0 | 0.53% | 0 |
| 2002 | 0 | 0.57% | 0 |
| 2003 | 0 | 0.55% | 0 |
| 2004 | 0 | 0.53% | 0 |
| 2005 | 0 | 0.57% | 0 |
| 2006 | 0 | 0.68% | 0 |
| 2007 | 179 | 0.76% | 1 |
| 2008 | 186 | 0.89% | 2 |
| 2009 | 0 | 0.87% | 0 |
| 2010 | 0 | 0.87% | 0 |
| 2011 | 0 | 1.12% | 0 |
| 2012 | 0 | 1.10% | 0 |
| 2013 | 173 | 1.08% | 2 |
| 2014 | 0 | 1.58% | 0 |
| 2015 | 0 | 2.07% | 0 |
| 2016 | 36 | 5.23% | 2 |
| 2017 | 50 | 16.49% | 8 |
| 2018 | 224 | 29.01% | 65 |
| 2019 | 130 | 29.71% | 39 |
| TOTAL | \$1,009 | | \$119 |

Notes:

(1)- Per CITY OF JACKSONVILLE.

(2) - Per AMI calculation based on selected factors in Exhibit VI, Page 5E-5H.

(3) = (1) x (2).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PAID LOSS CASH FLOW - FISCAL YEAR 2018/2019
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Housing Authority
(\$AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEARS* | ESTIMATED UNPAID @3/31/2018 (1) | EXPECTED % PAID DURING FY 2018/2019 (2) | RESERVE METHOD PROJECTED CASHFLOW FY 2018/2019 (3) |
|--------------------|--|--|---|
| 1978 and Prior | \$0 | 0.00% | \$0 |
| 1979 | 0 | 0.00% | 0 |
| 1980 | 0 | 0.00% | 0 |
| 1981 | 0 | 0.00% | 0 |
| 1982 | 0 | 0.99% | 0 |
| 1983 | 0 | 0.08% | 0 |
| 1984 | 0 | 0.10% | 0 |
| 1985 | 0 | 0.10% | 0 |
| 1986 | 0 | 0.13% | 0 |
| 1987 | 0 | 0.10% | 0 |
| 1988 | 0 | 0.10% | 0 |
| 1989 | 0 | 0.10% | 0 |
| 1990 | 0 | 0.10% | 0 |
| 1991 | 0 | 0.14% | 0 |
| 1992 | 0 | 0.09% | 0 |
| 1993 | 0 | 0.12% | 0 |
| 1994 | 0 | 0.21% | 0 |
| 1995 | 0 | 0.58% | 0 |
| 1996 | 0 | 0.58% | 0 |
| 1997 | 0 | 0.61% | 0 |
| 1998 | 0 | 0.57% | 0 |
| 1999 | 0 | 0.57% | 0 |
| 2000 | 0 | 0.53% | 0 |
| 2001 | 0 | 0.53% | 0 |
| 2002 | 0 | 0.57% | 0 |
| 2003 | 0 | 0.55% | 0 |
| 2004 | 0 | 0.53% | 0 |
| 2005 | 0 | 0.57% | 0 |
| 2006 | 0 | 0.68% | 0 |
| 2007 | 0 | 0.76% | 0 |
| 2008 | 0 | 0.89% | 0 |
| 2009 | 165 | 0.87% | 1 |
| 2010 | 0 | 0.87% | 0 |
| 2011 | 0 | 1.12% | 0 |
| 2012 | 0 | 1.10% | 0 |
| 2013 | 0 | 1.08% | 0 |
| 2014 | 0 | 1.58% | 0 |
| 2015 | 0 | 2.07% | 0 |
| 2016 | 258 | 5.23% | 13 |
| 2017 | 87 | 16.49% | 14 |
| 2018 | 136 | 29.01% | 39 |
| 2019 | 196 | 29.71% | 58 |
| TOTAL | \$841 | | \$127 |

Notes:

- (1)- Per Exhibit VI-C, Page 1, Column (5)
- (2) - Per AMI calculation based on selected factors in Exhibit VI, Page 5E-5H.
- (3) = (1) x (2).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PAID LOSS CASH FLOW - FISCAL YEAR 2018/2019
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Port Authority
(\$AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEARS* | ESTIMATED UNPAID @ 3/31/2018 | EXPECTED % PAID DURING FY 2018/2019 | RESERVE METHOD PROJECTED CASHFLOW FY 2018/2019 |
|--------------------|------------------------------------|---|--|
| | (1) | (2) | (3) |
| 1978 and Prior | \$0 | 0.00% | \$0 |
| 1979 | 0 | 0.00% | 0 |
| 1980 | 27 | 0.00% | 0 |
| 1981 | 0 | 0.00% | 0 |
| 1982 | 0 | 0.99% | 0 |
| 1983 | 0 | 0.08% | 0 |
| 1984 | 0 | 0.10% | 0 |
| 1985 | 0 | 0.10% | 0 |
| 1986 | 0 | 0.13% | 0 |
| 1987 | 0 | 0.10% | 0 |
| 1988 | 0 | 0.10% | 0 |
| 1989 | 0 | 0.10% | 0 |
| 1990 | 0 | 0.10% | 0 |
| 1991 | 0 | 0.14% | 0 |
| 1992 | 0 | 0.09% | 0 |
| 1993 | 0 | 0.12% | 0 |
| 1994 | 0 | 0.21% | 0 |
| 1995 | 0 | 0.58% | 0 |
| 1996 | 0 | 0.58% | 0 |
| 1997 | 0 | 0.61% | 0 |
| 1998 | 0 | 0.57% | 0 |
| 1999 | 0 | 0.57% | 0 |
| 2000 | 0 | 0.53% | 0 |
| 2001 | 0 | 0.53% | 0 |
| 2002 | 0 | 0.57% | 0 |
| 2003 | 0 | 0.55% | 0 |
| 2004 | 0 | 0.53% | 0 |
| 2005 | 0 | 0.57% | 0 |
| 2006 | 0 | 0.68% | 0 |
| 2007 | 0 | 0.76% | 0 |
| 2008 | 0 | 0.89% | 0 |
| 2009 | 0 | 0.87% | 0 |
| 2010 | 0 | 0.87% | 0 |
| 2011 | 0 | 1.12% | 0 |
| 2012 | 110 | 1.10% | 1 |
| 2013 | 0 | 1.08% | 0 |
| 2014 | 0 | 1.58% | 0 |
| 2015 | 0 | 2.07% | 0 |
| 2016 | 0 | 5.23% | 0 |
| 2017 | 60 | 16.49% | 10 |
| 2018 | 156 | 29.01% | 45 |
| 2019 | 107 | 29.71% | 32 |
| TOTAL | \$461 | | \$88 |

Notes:

- (1)- Per Exhibit VI-D, Page 1, Column (5)
- (2) - Per AMI calculation based on selected factors in Exhibit VI, Page 5E-5H.
- (3) = (1) x (2).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
AS OF MARCH 31, 2018
CALCULATION OF PAID LOSS CASH FLOW - FISCAL YEAR 2018/2019
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
Jacksonville Aviation Authority
(\$AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEARS* | ESTIMATED UNPAID @3/31/2018 (1) | EXPECTED % PAID DURING FY 2018/2019 (2) | RESERVE METHOD PROJECTED CASHFLOW FY 2018/2019 (3) |
|-----------------|------------------------------------|--|---|
| 1978 and Prior | \$0 | 0.00% | 0 |
| 1979 | 0 | 0.00% | 0 |
| 1980 | 0 | 0.00% | 0 |
| 1981 | 0 | 0.00% | 0 |
| 1982 | 0 | 0.99% | 0 |
| 1983 | 0 | 0.08% | 0 |
| 1984 | 0 | 0.10% | 0 |
| 1985 | 0 | 0.10% | 0 |
| 1986 | 0 | 0.13% | 0 |
| 1987 | 0 | 0.10% | 0 |
| 1988 | 0 | 0.10% | 0 |
| 1989 | 0 | 0.10% | 0 |
| 1990 | 0 | 0.10% | 0 |
| 1991 | 0 | 0.14% | 0 |
| 1992 | 0 | 0.09% | 0 |
| 1993 | 0 | 0.12% | 0 |
| 1994 | 0 | 0.21% | 0 |
| 1995 | 0 | 0.58% | 0 |
| 1996 | 0 | 0.58% | 0 |
| 1997 | 0 | 0.61% | 0 |
| 1998 | 0 | 0.57% | 0 |
| 1999 | 0 | 0.57% | 0 |
| 2000 | 0 | 0.53% | 0 |
| 2001 | 0 | 0.53% | 0 |
| 2002 | 0 | 0.57% | 0 |
| 2003 | 0 | 0.55% | 0 |
| 2004 | 0 | 0.53% | 0 |
| 2005 | 0 | 0.57% | 0 |
| 2006 | 0 | 0.68% | 0 |
| 2007 | 0 | 0.76% | 0 |
| 2008 | 0 | 0.89% | 0 |
| 2009 | 0 | 0.87% | 0 |
| 2010 | 0 | 0.87% | 0 |
| 2011 | 0 | 1.12% | 0 |
| 2012 | 0 | 1.10% | 0 |
| 2013 | 0 | 1.08% | 0 |
| 2014 | 0 | 1.58% | 0 |
| 2015 | 184 | 2.07% | 4 |
| 2016 | 54 | 21.72% | 12 |
| 2017 | 14 | 45.50% | 7 |
| 2018 | 273 | 29.01% | 79 |
| 2019 | 300 | 29.71% | 89 |
| TOTAL | \$824 | | \$190 |

Notes:

- (1)- Per Exhibit VI-D, Page 1, Column (5)
- (2) - Per AMI calculation based on selected factors in Exhibit VI, Page 5E-5H.
- (3) = (1) x (2).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF EXPECTED INCURRED BETWEEN 9/30/2018 and 9/30/2019
WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | INCURRED LOSS @3/31/2018 (1) | EXPECTED INCURRED LOSS AT 9/30/2018 (2) | EXPECTED INCURRED LOSS AT 9/30/2019 (3) | EXPECTED INCURRED BETWEEN 9/30/2018 AND 9/30/2019 (4) |
|-------------------|------------------------------------|---|---|---|
| 1977 | \$0 | \$0 | \$0 | \$0 |
| 1978 | 0 | 0 | 0 | 0 |
| 1979 | 0 | 0 | 0 | 0 |
| 1980 | 2 | 2 | 2 | 0 |
| 1981 | 0 | 0 | 0 | 0 |
| 1982 | 16 | 16 | 16 | 0 |
| 1983 | 0 | 0 | 0 | 0 |
| 1984 | 0 | 0 | 0 | 0 |
| 1985 | 0 | 0 | 0 | 0 |
| 1986 | 0 | 0 | 0 | 0 |
| 1987 | 0 | 0 | 0 | 0 |
| 1988 | 0 | 0 | 0 | 0 |
| 1989 | 0 | 0 | 0 | 0 |
| 1990 | 0 | 0 | 0 | 0 |
| 1991 | 0 | 0 | 0 | 0 |
| 1992 | 0 | 0 | 0 | 0 |
| 1993 | 0 | 0 | 0 | 0 |
| 1994 | 1 | 1 | 1 | 0 |
| 1995 | 0 | 0 | 0 | 0 |
| 1996 | 32 | 32 | 32 | 0 |
| 1997 | 174 | 174 | 174 | 0 |
| 1998 | 0 | 0 | 0 | 0 |
| 1999 | 2 | 2 | 2 | 0 |
| 2000 | 658 | 658 | 658 | 0 |
| 2001 | 3 | 3 | 3 | 0 |
| 2002 | 444 | 444 | 444 | 0 |
| 2003 | 1,891 | 1,891 | 1,891 | 0 |
| 2004 | 1,696 | 1,696 | 1,696 | 0 |
| 2005 | 1,374 | 1,374 | 1,374 | 0 |
| 2006 | 3,492 | 3,590 | 3,590 | 0 |
| 2007 | 3,020 | 3,110 | 3,285 | 174 |
| 2008 | 1,890 | 1,947 | 2,064 | 117 |
| 2009 | 1,310 | 1,349 | 1,430 | 81 |
| 2010 | 2,346 | 2,417 | 2,562 | 145 |
| 2011 | 1,017 | 1,047 | 1,110 | 63 |
| 2012 | 3,542 | 3,648 | 3,867 | 219 |
| 2013 | 2,028 | 2,089 | 2,214 | 125 |
| 2014 | 3,891 | 4,133 | 4,380 | 247 |
| 2015 | 3,822 | 4,108 | 4,620 | 512 |
| 2016 | 2,748 | 3,337 | 3,835 | 499 |
| 2017 | 2,012 | 2,412 | 3,445 | 1,033 |
| 2018 | 590 | 1,049 | 1,466 | 416 |
| TOTAL | \$38,003 | \$40,530 | \$44,161 | \$3,631 |

Notes:

- (1)- Per CITY OF JACKSONVILLE.
- (2) - Incurred losses 3/31/2018, developed for 6 additional months.
- (3) - Incurred losses 3/31/2018, developed for 18 additional months.
- (4) = (3) - (2).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF EXPECTED INCURRED BETWEEN 9/30/2018 and 9/30/2019
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | INCURRED LOSS @3/31/2018 | EXPECTED INCURRED LOSS AT 9/30/2018 | EXPECTED INCURRED LOSS AT 9/30/2019 | EXPECTED INCURRED BETWEEN 9/30/2018 AND 9/30/2019 |
|----------------|--------------------------|-------------------------------------|-------------------------------------|---|
| | (1) | (2) | (3) | (4) |
| 1977 | \$0 | \$0 | \$0 | \$0 |
| 1978 | 358 | 358 | 358 | 0 |
| 1979 | 5 | 5 | 5 | 0 |
| 1980 | 505 | 505 | 505 | 0 |
| 1981 | 1,507 | 1,507 | 1,507 | 0 |
| 1982 | 1,625 | 1,625 | 1,625 | 0 |
| 1983 | 2,096 | 2,096 | 2,096 | 0 |
| 1984 | 2,250 | 2,250 | 2,250 | 0 |
| 1985 | 906 | 906 | 906 | 0 |
| 1986 | 1,034 | 1,034 | 1,034 | 0 |
| 1987 | 94 | 94 | 94 | 0 |
| 1988 | 2,401 | 2,401 | 2,401 | 0 |
| 1989 | 1,187 | 1,187 | 1,187 | 0 |
| 1990 | 2,201 | 2,201 | 2,201 | 0 |
| 1991 | 1,649 | 1,649 | 1,649 | 0 |
| 1992 | 411 | 411 | 411 | 0 |
| 1993 | 646 | 646 | 646 | 0 |
| 1994 | 2,813 | 2,832 | 2,832 | 0 |
| 1995 | 4,014 | 4,043 | 4,098 | 55 |
| 1996 | 9,219 | 9,290 | 9,425 | 135 |
| 1997 | 4,415 | 4,515 | 4,585 | 70 |
| 1998 | 4,417 | 4,516 | 4,719 | 203 |
| 1999 | 3,203 | 3,275 | 3,422 | 147 |
| 2000 | 5,006 | 5,118 | 5,348 | 230 |
| 2001 | 7,459 | 7,626 | 7,970 | 343 |
| 2002 | 3,427 | 3,547 | 3,707 | 160 |
| 2003 | 3,086 | 3,194 | 3,418 | 224 |
| 2004 | 2,319 | 2,400 | 2,568 | 168 |
| 2005 | 2,484 | 2,571 | 2,751 | 180 |
| 2006 | 1,099 | 1,137 | 1,217 | 80 |
| 2007 | 419 | 433 | 464 | 30 |
| 2008 | 1,393 | 1,442 | 1,543 | 101 |
| 2009 | 441 | 456 | 488 | 32 |
| 2010 | 1,128 | 1,167 | 1,249 | 82 |
| 2011 | 875 | 906 | 969 | 63 |
| 2012 | 1,500 | 1,552 | 1,661 | 109 |
| 2013 | 1,312 | 1,364 | 1,459 | 95 |
| 2014 | 533 | 557 | 602 | 45 |
| 2015 | 3,765 | 3,943 | 4,298 | 355 |
| 2016 | 1,078 | 1,263 | 1,383 | 119 |
| 2017 | 637 | 789 | 1,061 | 272 |
| 2018 | 379 | 528 | 780 | 252 |
| TOTAL | \$85,294 | \$87,341 | \$90,891 | \$3,550 |

Notes:

- (1)- Per CITY OF JACKSONVILLE.
- (2) - Incurred losses 3/31/2018, developed for 6 additional months.
- (3) - Incurred losses 3/31/2018, developed for 18 additional months.
- (4) = (3) - (2).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF EXPECTED INCURRED BETWEEN 9/30/2018 and 9/30/2019
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | INCURRED LOSS @ 3/31/2018 | EXPECTED INCURRED LOSS AT 9/30/2018 | EXPECTED INCURRED LOSS AT 9/30/2019 | EXPECTED INCURRED BETWEEN 9/30/2018 AND 9/30/2019 |
|----------------|---------------------------|-------------------------------------|-------------------------------------|---|
| | (1) | (2) | (3) | (4) |
| 1978 | \$797 | \$797 | \$797 | \$0 |
| 1979 | 1,461 | 1,461 | 1,461 | 0 |
| 1980 | 934 | 934 | 934 | 0 |
| 1981 | 690 | 690 | 690 | 0 |
| 1982 | 1,309 | 1,309 | 1,309 | 0 |
| 1983 | 619 | 619 | 619 | 0 |
| 1984 | 1,715 | 1,715 | 1,715 | 0 |
| 1985 | 1,031 | 1,031 | 1,031 | 0 |
| 1986 | 559 | 559 | 559 | 0 |
| 1987 | 1,649 | 1,650 | 1,650 | 0 |
| 1988 | 1,036 | 1,037 | 1,040 | 2 |
| 1989 | 1,078 | 1,079 | 1,081 | 2 |
| 1990 | 3,739 | 3,743 | 3,751 | 7 |
| 1991 | 2,657 | 2,660 | 2,666 | 5 |
| 1992 | 1,232 | 1,233 | 1,236 | 3 |
| 1993 | 4,114 | 4,118 | 4,127 | 8 |
| 1994 | 1,268 | 1,269 | 1,272 | 3 |
| 1995 | 922 | 922 | 924 | 2 |
| 1996 | 930 | 931 | 933 | 2 |
| 1997 | 727 | 728 | 730 | 2 |
| 1998 | 551 | 551 | 553 | 2 |
| 1999 | 2,183 | 2,191 | 2,197 | 7 |
| 2000 | 3,302 | 3,318 | 3,341 | 23 |
| 2001 | 3,161 | 3,177 | 3,208 | 31 |
| 2002 | 3,111 | 3,133 | 3,164 | 31 |
| 2003 | 4,023 | 4,051 | 4,109 | 58 |
| 2004 | 2,526 | 2,545 | 2,581 | 36 |
| 2005 | 2,375 | 2,393 | 2,429 | 36 |
| 2006 | 3,729 | 3,757 | 3,813 | 56 |
| 2007 | 1,839 | 1,862 | 1,890 | 28 |
| 2008 | 3,780 | 3,827 | 3,923 | 96 |
| 2009 | 2,765 | 2,799 | 2,869 | 70 |
| 2010 | 2,780 | 2,781 | 2,850 | 70 |
| 2011 | 3,048 | 3,089 | 3,089 | 0 |
| 2012 | 2,593 | 2,629 | 2,698 | 69 |
| 2013 | 2,840 | 2,881 | 2,961 | 80 |
| 2014 | 2,027 | 2,027 | 2,085 | 59 |
| 2015 | 2,176 | 2,176 | 2,176 | 0 |
| 2016 | 2,994 | 3,058 | 3,058 | 0 |
| 2017 | 4,598 | 4,995 | 5,208 | 213 |
| TOTAL | \$84,868 | \$85,726 | \$86,726 | \$1,000 |

Notes:

- (1)- Per CITY OF JACKSONVILLE.
- (2) - Incurred losses 3/31/2018, developed for 6 additional months.
- (3) - Incurred losses 3/31/2018, developed for 18 additional months.
- (4) = (3) - (2).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF EXPECTED INCURRED BETWEEN 9/30/2018 and 9/30/2019
WORKERS' COMPENSATION - FIRE NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | INCURRED LOSS @3/31/2018 | EXPECTED INCURRED LOSS AT 9/30/2018 | EXPECTED INCURRED LOSS AT 9/30/2019 | EXPECTED INCURRED BETWEEN 9/30/2018 AND 9/30/2019 |
|----------------|--------------------------|-------------------------------------|-------------------------------------|---|
| | (1) | (2) | (3) | (4) |
| 1978 | \$509 | \$509 | \$509 | \$0 |
| 1979 | 657 | 657 | 657 | 0 |
| 1980 | 745 | 745 | 745 | 0 |
| 1981 | 815 | 815 | 815 | 0 |
| 1982 | 687 | 687 | 687 | 0 |
| 1983 | 368 | 368 | 368 | 0 |
| 1984 | 1,043 | 1043 | 1,043 | 0 |
| 1985 | 860 | 860 | 860 | 0 |
| 1986 | 902 | 902 | 902 | 0 |
| 1987 | 1,316 | 1316 | 1,316 | 0 |
| 1988 | 1,914 | 1914 | 1,914 | 0 |
| 1989 | 4,187 | 4187 | 4,187 | 0 |
| 1990 | 589 | 590 | 590 | 0 |
| 1991 | 1,505 | 1507 | 1,511 | 4 |
| 1992 | 1,942 | 1944 | 1,948 | 4 |
| 1993 | 1,084 | 1086 | 1,088 | 2 |
| 1994 | 2,231 | 2236 | 2,244 | 8 |
| 1995 | 408 | 409 | 411 | 2 |
| 1996 | 862 | 864 | 870 | 5 |
| 1997 | 2,253 | 2253 | 2,266 | 13 |
| 1998 | 1,175 | 1179 | 1,179 | 0 |
| 1999 | 3,269 | 3291 | 3,312 | 21 |
| 2000 | 1,382 | 1418 | 1,438 | 19 |
| 2001 | 2,279 | 2284 | 2,404 | 121 |
| 2002 | 2,785 | 2805 | 2,816 | 11 |
| 2003 | 4,396 | 4429 | 4,495 | 66 |
| 2004 | 1,996 | 2011 | 2,041 | 30 |
| 2005 | 2,543 | 2568 | 2,607 | 39 |
| 2006 | 1,028 | 1038 | 1,059 | 21 |
| 2007 | 1,383 | 1397 | 1,425 | 28 |
| 2008 | 1,496 | 1511 | 1,541 | 30 |
| 2009 | 2,307 | 2330 | 2,376 | 47 |
| 2010 | 3,198 | 3230 | 3,295 | 65 |
| 2011 | 1,121 | 1144 | 1,167 | 23 |
| 2012 | 1,661 | 1695 | 1,762 | 68 |
| 2013 | 1,038 | 1058 | 1,101 | 42 |
| 2014 | 1,234 | 1259 | 1,309 | 50 |
| 2015 | 1,411 | 1440 | 1,497 | 58 |
| 2016 | 1,920 | 1958 | 2,037 | 78 |
| 2017 | 1,794 | 1878 | 1,953 | 75 |
| 2018 | 833 | 1341 | 1,466 | 125 |
| TOTAL | \$65,125 | \$66,155 | \$67,210 | \$1,055 |

Notes:

- (1)- Per CITY OF JACKSONVILLE.
- (2) - Incurred losses 3/31/2018, developed for 6 additional months.
- (3) - Incurred losses 3/31/2018, developed for 18 additional months.
- (4) = (3) - (2).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF EXPECTED INCURRED BETWEEN 9/30/2018 and 9/30/2019
WORKERS' COMPENSATION - OTHER CITY NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| ACCIDENT YEAR* | INCURRED LOSS @3/31/2018 | EXPECTED INCURRED LOSS AT 9/30/2018 | EXPECTED INCURRED LOSS AT 9/30/2019 | FUTURE EXPECTED INCURRED BETWEEN 9/30/2018 AND 9/30/2019 |
|----------------|--------------------------|-------------------------------------|-------------------------------------|--|
| | (1) | (2) | (3) | (4) |
| 1978 and Prior | \$426 | \$426 | \$426 | \$0 |
| 1979 | 902 | 902 | 902 | 0 |
| 1980 | 2,945 | 2945 | 2,945 | 0 |
| 1981 | 2,118 | 2118 | 2,118 | 0 |
| 1982 | 2,135 | 2136 | 2,136 | 0 |
| 1983 | 1,456 | 1457 | 1,458 | 1 |
| 1984 | 4,408 | 4410 | 4,414 | 4 |
| 1985 | 1,899 | 1900 | 1,902 | 2 |
| 1986 | 1,419 | 1420 | 1,421 | 2 |
| 1987 | 2,948 | 2949 | 2,952 | 3 |
| 1988 | 4,930 | 4931 | 4,936 | 5 |
| 1989 | 2,453 | 2454 | 2,454 | 1 |
| 1990 | 4,391 | 4390 | 4,392 | 2 |
| 1991 | 3,393 | 3394 | 3,394 | 0 |
| 1992 | 3,537 | 3538 | 3,540 | 2 |
| 1993 | 2,682 | 2684 | 2,685 | 2 |
| 1994 | 1,864 | 1867 | 1,869 | 2 |
| 1995 | 1,232 | 1234 | 1,238 | 4 |
| 1996 | 2,210 | 2213 | 2,220 | 7 |
| 1997 | 1,264 | 1266 | 1,270 | 4 |
| 1998 | 1,305 | 1307 | 1,312 | 4 |
| 1999 | 1,736 | 1739 | 1,743 | 5 |
| 2000 | 1,625 | 1628 | 1,633 | 5 |
| 2001 | 2,155 | 2160 | 2,168 | 7 |
| 2002 | 2,442 | 2449 | 2,460 | 12 |
| 2003 | 1,675 | 1680 | 1,689 | 9 |
| 2004 | 1,614 | 1619 | 1,629 | 9 |
| 2005 | 1,729 | 1736 | 1,746 | 10 |
| 2006 | 1,247 | 1253 | 1,263 | 11 |
| 2007 | 1,075 | 1081 | 1,090 | 9 |
| 2008 | 1,622 | 1635 | 1,652 | 17 |
| 2009 | 2,656 | 2679 | 2,723 | 44 |
| 2010 | 1,487 | 1500 | 1,526 | 26 |
| 2011 | 1,024 | 1033 | 1,051 | 18 |
| 2012 | 3,005 | 3032 | 3,088 | 56 |
| 2013 | 1,906 | 1923 | 1,958 | 35 |
| 2014 | 1,741 | 1760 | 1,792 | 32 |
| 2015 | 2,075 | 2135 | 2,183 | 48 |
| 2016 | 1,936 | 1936 | 2,049 | 112 |
| 2017 | 1,574 | 1730 | 1,730 | 0 |
| 2018 | 1,047 | 1419 | 1,700 | 282 |
| TOTAL | \$85,289 | \$86,068 | \$86,859 | \$791 |

Notes:

- (1)- Per CITY OF JACKSONVILLE.
- (2) - Incurred losses @3/31/2018, developed for 6 additional months.
- (3) - Incurred losses @3/31/2018, developed for 18 additional months.
- (4) = (3) - (2).

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
CALCULATION OF EXPECTED INCURRED BETWEEN 9/30/2018 and 9/30/2019
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

ALL NON-CITY AGENCIES COMBINED

| ACCIDENT YEAR* | INCURRED LOSS @ 3/31/2018 (1) | EXPECTED INCURRED LOSS AT 9/30/2018 (2) | EXPECTED INCURRED LOSS AT 9/30/2019 (3) | EXPECTED INCURRED BETWEEN 9/30/2018 AND 9/30/2019 (4) |
|----------------|----------------------------------|--|--|--|
| 1978 and Prior | \$536 | \$536 | \$536 | \$0 |
| 1979 | 680 | 680 | 680 | 0 |
| 1980 | 1,104 | 1104 | 1,104 | 0 |
| 1981 | 3,095 | 3095 | 3,095 | 0 |
| 1982 | 817 | 817 | 817 | 0 |
| 1983 | 2,178 | 2178 | 2,178 | 0 |
| 1984 | 1,136 | 1136 | 1,136 | 0 |
| 1985 | 1,516 | 1516 | 1,516 | 0 |
| 1986 | 1,101 | 1101 | 1,101 | 0 |
| 1987 | 3,163 | 3163 | 3,163 | 0 |
| 1988 | 2,591 | 2593 | 2,593 | 0 |
| 1989 | 1,601 | 1601 | 1,603 | 2 |
| 1990 | 2,618 | 2620 | 2,621 | 2 |
| 1991 | 2,306 | 2307 | 2,310 | 2 |
| 1992 | 2,747 | 2748 | 2,751 | 2 |
| 1993 | 1,589 | 1591 | 1,593 | 2 |
| 1994 | 1,435 | 1438 | 1,441 | 3 |
| 1995 | 1,921 | 1925 | 1,933 | 8 |
| 1996 | 1,781 | 1785 | 1,792 | 7 |
| 1997 | 1,408 | 1411 | 1,417 | 6 |
| 1998 | 1,191 | 1194 | 1,199 | 5 |
| 1999 | 649 | 651 | 653 | 3 |
| 2000 | 672 | 674 | 676 | 3 |
| 2001 | 772 | 774 | 777 | 3 |
| 2002 | 2,068 | 2072 | 2,080 | 8 |
| 2003 | 1,633 | 1637 | 1,644 | 7 |
| 2004 | 1,089 | 1091 | 1,095 | 4 |
| 2005 | 817 | 819 | 822 | 3 |
| 2006 | 687 | 689 | 692 | 3 |
| 2007 | 890 | 894 | 898 | 4 |
| 2008 | 952 | 956 | 962 | 7 |
| 2009 | 1,412 | 1418 | 1,429 | 11 |
| 2010 | 495 | 498 | 502 | 4 |
| 2011 | 417 | 419 | 423 | 4 |
| 2012 | 1,253 | 1259 | 1,272 | 12 |
| 2013 | 996 | 1002 | 1,012 | 10 |
| 2014 | 1,744 | 1762 | 1,782 | 21 |
| 2015 | 1,078 | 1090 | 1,112 | 23 |
| 2016 | 1,548 | 1597 | 1,632 | 35 |
| 2017 | 1,333 | 1518 | 1,613 | 96 |
| 2018 | 465 | 593 | 758 | 164 |
| TOTAL | \$57,486 | \$57,951 | \$58,414 | \$463 |

Notes:

- (1)- Per CITY OF JACKSONVILLE.
- (2) - Incurred losses @3/31/2018, developed for 6 additional months.
- (3) - Incurred losses @3/31/2018, developed for 18 additional months.
- (4) = (3) - (2).

Section VII – Appendix

**CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
LIST OF LARGE CLAIMS
INCURRED LOSSES GREATER THAN \$150,000
WORKERS' COMPENSATION - SHERIFF HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018**

| CLAIM NUMBER (1) | DATE OF LOSS (2) | ACCIDENT YEAR (3) | SPECIFIC SELF INSURED RETENTION (4) | UNLIMITED PAID LOSSES (5) | UNLIMITED CASE RESERVES (6) | UNLIMITED INCURRED LOSSES (7) |
|---------------------|---------------------|----------------------|--|------------------------------|--------------------------------|----------------------------------|
| 97W00706 00 | 10/17/1996 | 1997 | \$1,000,000 | \$172,210 | \$0 | \$172,210 |
| 12 255 | 8/9/2000 | 2000 | 1,000,000 | 398,779 | 172,212 | 570,991 |
| 03 295 | 2/13/2003 | 2003 | 1,200,000 | 280,070 | 0 | 280,070 |
| 03 1845 | 9/23/2003 | 2003 | 1,200,000 | 994,435 | 370,017 | 1,364,452 |
| 03 2111 | 11/10/2003 | 2004 | 1,200,000 | 84,475 | 86,025 | 170,500 |
| 04 223 | 2/7/2004 | 2004 | 1,200,000 | 296,389 | 0 | 296,389 |
| 04 530 | 3/29/2004 | 2004 | 1,200,000 | 308,729 | 82,635 | 391,364 |
| 05 414 | 3/1/2005 | 2005 | 1,200,000 | 282,559 | 180,806 | 463,364 |
| 05 1217 | 7/5/2005 | 2005 | 1,200,000 | 64,658 | 113,870 | 178,527 |
| 05 2187 | 8/21/2005 | 2005 | 1,200,000 | 113,897 | 119,365 | 233,263 |
| 05 2068 | 10/6/2005 | 2006 | 1,200,000 | 128,375 | 132,644 | 261,019 |
| 06 364 | 2/13/2006 | 2006 | 1,200,000 | 248,746 | 17,754 | 266,500 |
| 06 641 | 4/13/2006 | 2006 | 1,200,000 | 196,599 | 0 | 196,599 |
| 06 1191 | 7/5/2006 | 2006 | 1,200,000 | 161,103 | 0 | 161,103 |
| 06 1600 | 8/4/2006 | 2006 | 1,200,000 | 233,727 | 85,340 | 319,067 |
| 06 1515 | 8/24/2006 | 2006 | 1,200,000 | 584,113 | 552,145 | 1,136,258 |
| 07 72 | 9/11/2006 | 2006 | 1,200,000 | 46,352 | 105,103 | 151,455 |
| 06 1835 | 10/21/2006 | 2007 | 1,200,000 | 229,606 | 0 | 229,606 |
| 06 1960 | 11/8/2006 | 2007 | 1,200,000 | 206,365 | 87,170 | 293,536 |
| 07 15 | 12/30/2006 | 2007 | 1,200,000 | 58,277 | 126,077 | 184,354 |
| 07 91 | 1/17/2007 | 2007 | 1,200,000 | 183,817 | 128,349 | 312,166 |
| 07 274 | 2/6/2007 | 2007 | 1,200,000 | 115,222 | 102,576 | 217,798 |
| 07 349 | 2/28/2007 | 2007 | 1,200,000 | 505,418 | 0 | 505,418 |
| 07 1027 | 7/17/2007 | 2007 | 1,200,000 | 157,286 | 0 | 157,286 |
| 07 1233 | 8/22/2007 | 2007 | 1,200,000 | 148,738 | 97,527 | 246,265 |
| 07 1721 | 11/1/2007 | 2008 | 1,200,000 | 151,888 | 11,750 | 163,637 |
| 10 240 | 5/6/2008 | 2008 | 1,200,000 | 1,226,331 | 0 | 1,226,331 |
| 08 1691 | 11/1/2008 | 2009 | 1,200,000 | 86,965 | 63,627 | 150,592 |
| 08 1877 | 12/12/2008 | 2009 | 1,200,000 | 289,880 | 0 | 289,880 |
| 09 571 | 4/10/2009 | 2009 | 1,200,000 | 175,415 | 0 | 175,415 |
| 1410 00745 | 6/7/2009 | 2009 | 1,200,000 | 112,512 | 127,531 | 240,044 |
| 09 2091 | 11/4/2009 | 2010 | 1,200,000 | 165,887 | 0 | 165,887 |
| 12 123 | 11/30/2009 | 2010 | 1,200,000 | 96,246 | 84,303 | 180,549 |
| 09 2260 | 12/3/2009 | 2010 | 1,200,000 | 199,442 | 0 | 199,442 |
| 12 43 | 5/15/2010 | 2010 | 1,200,000 | 578,774 | 46,324 | 625,098 |
| 10 1237 | 8/23/2010 | 2010 | 1,200,000 | 166,321 | 113,692 | 280,013 |
| 12 423 | 9/13/2010 | 2010 | 1,200,000 | 414,404 | 0 | 414,404 |
| 11 788 | 6/1/2011 | 2011 | 1,200,000 | 138,369 | 98,613 | 236,981 |
| 11 868 | 6/21/2011 | 2011 | 1,200,000 | 150,500 | 0 | 150,500 |
| 12 429 | 10/11/2011 | 2012 | 1,200,000 | 156,506 | 160,368 | 316,875 |
| 11 1488 | 10/26/2011 | 2012 | 1,200,000 | 162,165 | 0 | 162,165 |
| 11 1612 | 11/24/2011 | 2012 | 1,200,000 | 254,030 | 70,977 | 325,008 |
| 11 1693 | 12/9/2011 | 2012 | 1,200,000 | 218,300 | 0 | 218,300 |
| 12 136 | 1/19/2012 | 2012 | 1,200,000 | 34,624 | 122,012 | 156,636 |
| 12 174 | 1/30/2012 | 2012 | 1,200,000 | 134,285 | 56,443 | 190,728 |
| 12 237 | 2/22/2012 | 2012 | 1,200,000 | 34,382 | 221,218 | 255,600 |
| 12 457 | 3/24/2012 | 2012 | 1,200,000 | 334,189 | 0 | 334,189 |
| 12 487 | 4/6/2012 | 2012 | 1,200,000 | 151,902 | 0 | 151,902 |
| 12 979 | 7/16/2012 | 2012 | 1,200,000 | 184,600 | 0 | 184,600 |
| 12 1066 | 8/6/2012 | 2012 | 1,200,000 | 181,753 | 0 | 181,753 |
| 12 1331 | 10/2/2012 | 2013 | 1,200,000 | 386,868 | 99,933 | 486,802 |
| 1310 00981 | 8/12/2013 | 2013 | 1,200,000 | 113,387 | 71,342 | 184,730 |
| 1310 00962 | 8/12/2013 | 2013 | 1,200,000 | 131,226 | 211,600 | 342,825 |
| 1310 01162 | 9/20/2013 | 2013 | 1,200,000 | 31,180 | 151,331 | 182,512 |
| 1410 00054 | 1/3/2014 | 2014 | 1,250,000 | 184,680 | 124,113 | 308,793 |
| 1410 00234 | 1/28/2014 | 2014 | 1,250,000 | 156,613 | 97,190 | 253,803 |
| 1410 00216 | 2/23/2014 | 2014 | 1,250,000 | 57,541 | 282,956 | 340,496 |
| 1410 00285 | 2/27/2014 | 2014 | 1,250,000 | 153,188 | 91,709 | 244,897 |
| 1410 00373 | 4/2/2014 | 2014 | 1,250,000 | 59,548 | 115,848 | 175,396 |
| 1410 00514 | 5/2/2014 | 2014 | 1,250,000 | 188,514 | 56,684 | 245,198 |
| 1410 00706 | 6/16/2014 | 2014 | 1,250,000 | 403,208 | 147,152 | 550,360 |
| 1410 00728 | 6/24/2014 | 2014 | 1,250,000 | 47,901 | 133,519 | 181,420 |
| 1410 00890 | 7/28/2014 | 2014 | 1,250,000 | 294,307 | 190,094 | 484,401 |
| 1410 01344 | 11/18/2014 | 2015 | 1,500,000 | 472,184 | 174,029 | 646,213 |
| 1510 00137 | 2/10/2015 | 2015 | 1,500,000 | 94,256 | 56,125 | 150,381 |
| 1610 00511 | 3/14/2015 | 2015 | 1,500,000 | 95,782 | 82,860 | 178,642 |
| 1510 00344 | 3/17/2015 | 2015 | 1,500,000 | 164,456 | 90,081 | 254,537 |
| 1510 00699 | 5/19/2015 | 2015 | 1,500,000 | 140,126 | 37,201 | 177,327 |
| 1510 00930 | 7/7/2015 | 2015 | 1,500,000 | 84,274 | 86,826 | 171,100 |
| 1510 00932 | 7/22/2015 | 2015 | 1,500,000 | 24,691 | 195,809 | 220,500 |
| 1510 01207 | 9/8/2015 | 2015 | 1,500,000 | 182,358 | 103,862 | 286,220 |
| 1510 01283 | 9/21/2015 | 2015 | 1,500,000 | 119,541 | 200,616 | 320,156 |
| 1510 01463 | 11/16/2015 | 2016 | 1,500,000 | 272,744 | 137,734 | 410,478 |
| 1510 01564 | 12/5/2015 | 2016 | 1,500,000 | 151,784 | 139,589 | 291,373 |
| 1610 00268 | 3/1/2016 | 2016 | 1,500,000 | 148,103 | 49,273 | 197,376 |
| 1610 00342 | 3/25/2016 | 2016 | 1,500,000 | 96,052 | 55,848 | 151,900 |
| 1610 00362 | 3/27/2016 | 2016 | 1,500,000 | 195,742 | 38,748 | 234,489 |
| 1610 00956 | 8/15/2016 | 2016 | 1,500,000 | 271,764 | 44,971 | 316,735 |
| 1610 01367 | 11/28/2016 | 2017 | 1,500,000 | 70,794 | 107,466 | 178,260 |
| 1710 00666 | 6/20/2017 | 2017 | 1,500,000 | 99,902 | 78,567 | 178,470 |
| 1710 01104 | 9/19/2017 | 2017 | 1,500,000 | 109,425 | 136,208 | 245,633 |

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
LIST OF LARGE CLAIMS
INCURRED LOSSES GREATER THAN \$150,000
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018

| CLAIM NUMBER | DATE OF LOSS | ACCIDENT YEAR | SPECIFIC SELF INSURED RETENTION | UNLIMITED PAID LOSSES | UNLIMITED CASE RESERVES | UNLIMITED INCURRED LOSSES |
|--------------|--------------|---------------|---------------------------------|-----------------------|-------------------------|---------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 79W00415 00 | 6/17/1978 | 1978 | 500,000 | 357,906 | 0 | 357,906 |
| 80W02150 00 | 10/1/1979 | 1980 | 500,000 | 590,810 | 0 | 590,810 |
| 80W00697 00 | 1/31/1981 | 1981 | 1,000,000 | 965,586 | 140,528 | 1,106,114 |
| 81W00065 00 | 9/20/1981 | 1981 | 1,000,000 | 338,635 | 0 | 338,635 |
| 81W01302 00 | 3/23/1982 | 1982 | 1,000,000 | 639,544 | 0 | 639,544 |
| 81W01322 00 | 4/1/1982 | 1982 | 1,000,000 | 650,168 | 0 | 650,168 |
| 82W00326 00 | 11/9/1982 | 1983 | 250,000 | 501,331 | 0 | 501,331 |
| 82W00562 00 | 12/18/1982 | 1983 | 250,000 | 314,168 | 0 | 314,168 |
| 82W00709 00 | 1/14/1983 | 1983 | 250,000 | 516,564 | 80,249 | 596,813 |
| 82W01461 00 | 5/7/1983 | 1983 | 250,000 | 287,059 | 0 | 287,059 |
| 82W02282 00 | 8/11/1983 | 1983 | 250,000 | 484,960 | 0 | 484,960 |
| 82W02361 00 | 8/29/1983 | 1983 | 250,000 | 431,632 | 0 | 431,632 |
| 83W01055 00 | 3/5/1984 | 1984 | 250,000 | 270,543 | 0 | 270,543 |
| 83W01125 00 | 3/20/1984 | 1984 | 250,000 | 539,012 | 0 | 539,012 |
| 83W01221 00 | 3/27/1984 | 1984 | 250,000 | 274,386 | 55,624 | 330,010 |
| 83W01512 00 | 5/17/1984 | 1984 | 250,000 | 322,161 | 0 | 322,161 |
| 83W01783 00 | 6/1/1984 | 1984 | 250,000 | 184,629 | 0 | 184,629 |
| 83W01820 00 | 6/1/1984 | 1984 | 250,000 | 158,276 | 0 | 158,276 |
| 83W01979 00 | 7/4/1984 | 1984 | 250,000 | 687,967 | 0 | 687,967 |
| 84W01152 00 | 3/1/1985 | 1985 | 250,000 | 162,388 | 0 | 162,388 |
| 84W01608 00 | 5/7/1985 | 1985 | 250,000 | 809,976 | 0 | 809,976 |
| 84W01637 00 | 5/15/1985 | 1985 | 250,000 | 224,790 | 0 | 224,790 |
| 84W01907 00 | 6/18/1985 | 1985 | 250,000 | 192,142 | 0 | 192,142 |
| 86W00434 00 | 1/1/1986 | 1986 | 250,000 | 422,938 | 0 | 422,938 |
| 85W01096 00 | 2/16/1986 | 1986 | 250,000 | 290,706 | 223,130 | 513,836 |
| 85W01352 00 | 2/26/1986 | 1986 | 250,000 | 379,803 | 201,271 | 581,073 |
| 85W01951 00 | 8/17/1986 | 1986 | 250,000 | 194,726 | 203,128 | 397,854 |
| 87W00860 00 | 1/22/1988 | 1988 | 1,000,000 | 1,145,917 | 289,457 | 1,435,373 |
| 87W00896 00 | 2/16/1988 | 1988 | 1,000,000 | 1,061,312 | 0 | 1,061,312 |
| 87W00930 00 | 2/25/1988 | 1988 | 1,000,000 | 395,614 | 0 | 395,614 |
| 88W00466 00 | 11/13/1988 | 1989 | 1,000,000 | 243,795 | 0 | 243,795 |
| 88W00995 00 | 1/11/1989 | 1989 | 1,000,000 | 514,785 | 181,721 | 696,506 |
| 89W00438 00 | 11/12/1989 | 1990 | 1,000,000 | 1,860,633 | 0 | 1,860,633 |
| 89W01355 00 | 4/4/1990 | 1990 | 1,000,000 | 200,530 | 120,694 | 321,224 |
| 89W01446 00 | 4/8/1990 | 1990 | 1,000,000 | 376,931 | 48,762 | 425,693 |
| 90W00136 00 | 9/16/1990 | 1990 | 1,000,000 | 237,867 | 0 | 237,867 |
| 90W00493 00 | 11/23/1990 | 1991 | 1,000,000 | 259,939 | 89,387 | 349,326 |
| 90W01051 00 | 3/5/1991 | 1991 | 1,000,000 | 234,091 | 0 | 234,091 |
| 90W01288 00 | 4/10/1991 | 1991 | 1,000,000 | 1,019,524 | 151,630 | 1,171,153 |
| 91W02004 00 | 7/18/1992 | 1992 | 1,000,000 | 163,675 | 141,562 | 305,237 |
| 92W00704 00 | 1/19/1993 | 1993 | 1,000,000 | 288,146 | 0 | 288,146 |
| 92W01134 00 | 3/11/1993 | 1993 | 1,000,000 | 84,481 | 101,958 | 186,439 |
| 93W00561 00 | 12/2/1993 | 1994 | 1,000,000 | 1,205,280 | 153,394 | 1,358,674 |
| 93W02493 00 | 9/8/1994 | 1994 | 1,000,000 | 998,623 | 157,699 | 1,156,322 |
| 93W02478 00 | 9/8/1994 | 1994 | 1,000,000 | 502,235 | 17,576 | 519,811 |
| 94W00263 00 | 11/4/1994 | 1995 | 1,000,000 | 251,407 | 0 | 251,407 |
| 94W00361 00 | 11/24/1994 | 1995 | 1,000,000 | 220,392 | 61,494 | 281,885 |
| 94W00546 00 | 12/29/1994 | 1995 | 1,000,000 | 449,492 | 154,547 | 604,039 |
| 94W00640 00 | 1/14/1995 | 1995 | 1,000,000 | 197,107 | 70,688 | 267,795 |

Notes:

(1) to (6) - Per CITY OF JACKSONVILLE.

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
LIST OF LARGE CLAIMS
INCURRED LOSSES GREATER THAN \$150,000
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018

| CLAIM NUMBER | DATE OF LOSS | ACCIDENT YEAR | SPECIFIC SELF INSURED RETENTION | UNLIMITED PAID LOSSES | UNLIMITED CASE RESERVES | UNLIMITED INCURRED LOSSES |
|--------------|--------------|---------------|---------------------------------|-----------------------|-------------------------|---------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 94W01093 00 | 3/4/1995 | 1995 | 1,000,000 | 397,006 | 124,501 | 521,507 |
| 97W00818 00 | 5/25/1995 | 1995 | 1,000,000 | 67,667 | 89,379 | 157,046 |
| 95W00657 00 | 6/15/1995 | 1995 | 1,000,000 | 1,168,158 | 170,967 | 1,339,126 |
| 94W01763 00 | 6/29/1995 | 1995 | 1,000,000 | 104,932 | 47,377 | 152,310 |
| 95W00217 00 | 9/23/1995 | 1995 | 1,000,000 | 197,469 | 214,762 | 412,231 |
| 98W00504 00 | 12/12/1995 | 1996 | 1,000,000 | 192,435 | 65,809 | 258,243 |
| 95W00811 00 | 1/6/1996 | 1996 | 1,000,000 | 388,713 | 225,004 | 613,717 |
| 95W00813 00 | 1/18/1996 | 1996 | 1,000,000 | 255,099 | 51,608 | 306,707 |
| 95W01029 00 | 2/19/1996 | 1996 | 1,000,000 | 52,614 | 121,144 | 173,758 |
| 95W01109 00 | 2/19/1996 | 1996 | 1,000,000 | 126,793 | 58,673 | 185,466 |
| 95W01112 00 | 2/29/1996 | 1996 | 1,000,000 | 611,895 | 249,491 | 861,387 |
| 95W01376 00 | 3/11/1996 | 1996 | 1,000,000 | 1,089,127 | 0 | 1,089,127 |
| 95W01967 00 | 3/12/1996 | 1996 | 1,000,000 | 85,996 | 120,583 | 206,579 |
| 95W01443 00 | 4/12/1996 | 1996 | 1,000,000 | 848,684 | 229,491 | 1,078,175 |
| 95W02049 00 | 7/10/1996 | 1996 | 1,000,000 | 227,818 | 0 | 227,818 |
| 95W02008 00 | 7/10/1996 | 1996 | 1,000,000 | 592,480 | 262,714 | 855,194 |
| 95W02040 00 | 7/25/1996 | 1996 | 1,000,000 | 195,509 | 0 | 195,509 |
| 95W02228 00 | 8/2/1996 | 1996 | 1,000,000 | 358,802 | 247,360 | 606,162 |
| 95W02266 00 | 8/12/1996 | 1996 | 1,000,000 | 407,601 | 0 | 407,601 |
| 95W02263 00 | 8/27/1996 | 1996 | 1,000,000 | 305,071 | 88,060 | 393,132 |
| 95W02455 00 | 9/18/1996 | 1996 | 1,000,000 | 460,902 | 135,028 | 595,931 |
| 96W00001 00 | 9/23/1996 | 1996 | 1,000,000 | 1,938,273 | 0 | 1,938,273 |
| 96W00340 00 | 10/14/1996 | 1997 | 1,000,000 | 1,085,087 | 0 | 1,085,087 |
| 96W00161 00 | 10/20/1996 | 1997 | 1,000,000 | 249,812 | 0 | 249,812 |
| 96W00494 00 | 12/12/1996 | 1997 | 1,000,000 | 320,649 | 71,787 | 392,436 |
| 96W00520 00 | 12/17/1996 | 1997 | 1,000,000 | 568,979 | 0 | 568,979 |
| 96W00851 00 | 2/23/1997 | 1997 | 1,000,000 | 1,116,954 | 237,676 | 1,354,631 |
| 96W01106 00 | 4/11/1997 | 1997 | 1,000,000 | 1,154,419 | 0 | 1,154,419 |
| 97W00159 00 | 10/22/1997 | 1998 | 1,000,000 | 254,177 | 139,020 | 393,198 |
| 97W00273 00 | 11/4/1997 | 1998 | 1,000,000 | 145,514 | 177,068 | 322,582 |
| 97W00398 00 | 11/28/1997 | 1998 | 1,000,000 | 164,567 | 86,455 | 251,023 |
| 97W00557 00 | 12/26/1997 | 1998 | 1,000,000 | 396,235 | 0 | 396,235 |
| 97W00618 00 | 1/13/1998 | 1998 | 1,000,000 | 83,312 | 79,592 | 162,905 |
| 97W01238 00 | 4/22/1998 | 1998 | 1,000,000 | 118,252 | 79,098 | 197,349 |
| 97W01308 00 | 5/5/1998 | 1998 | 1,000,000 | 101,558 | 119,834 | 221,392 |
| 97W01455 00 | 6/5/1998 | 1998 | 1,000,000 | 2,134,500 | 457,281 | 2,591,781 |
| 97W01861 00 | 8/7/1998 | 1998 | 1,000,000 | 194,660 | 30,467 | 225,127 |
| 97W01969 00 | 8/20/1998 | 1998 | 1,000,000 | 480,824 | 153,415 | 634,239 |
| 97W02073 00 | 9/14/1998 | 1998 | 1,000,000 | 86,205 | 77,161 | 163,367 |
| 98W00123 00 | 10/20/1998 | 1999 | 1,000,000 | 131,660 | 91,303 | 222,963 |
| 98W00644 00 | 1/28/1999 | 1999 | 1,000,000 | 985,581 | 173,852 | 1,159,433 |
| 98W00911 00 | 3/11/1999 | 1999 | 1,000,000 | 69,939 | 107,202 | 177,142 |
| 98W00908 00 | 3/17/1999 | 1999 | 1,000,000 | 291,165 | 0 | 291,165 |
| 98W01239 00 | 5/20/1999 | 1999 | 1,000,000 | 134,640 | 122,203 | 256,843 |
| 98W01235 00 | 5/20/1999 | 1999 | 1,000,000 | 105,535 | 103,861 | 209,397 |
| 98W01467 00 | 6/21/1999 | 1999 | 1,000,000 | 49,001 | 117,548 | 166,549 |
| 99 300 | 8/1/1999 | 1999 | 1,000,000 | 109,658 | 85,422 | 195,080 |
| 99 500 | 11/9/1999 | 2000 | 1,000,000 | 113,406 | 48,445 | 161,851 |
| 99 547 | 11/17/1999 | 2000 | 1,000,000 | 158,840 | 0 | 158,840 |
| 00 86 | 1/7/2000 | 2000 | 1,000,000 | 163,028 | 32,280 | 195,308 |

Notes:

(1) to (6) - Per CITY OF JACKSONVILLE.

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
LIST OF LARGE CLAIMS
INCURRED LOSSES GREATER THAN \$150,000
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018

| CLAIM NUMBER | DATE OF LOSS | ACCIDENT YEAR | SPECIFIC SELF INSURED RETENTION | UNLIMITED PAID LOSSES | UNLIMITED CASE RESERVES | UNLIMITED INCURRED LOSSES |
|--------------|--------------|---------------|---------------------------------|-----------------------|-------------------------|---------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 00 158 | 1/22/2000 | 2000 | 1,000,000 | 290,977 | 106,244 | 397,220 |
| 00 134 | 1/23/2000 | 2000 | 1,000,000 | 171,419 | 182,977 | 354,396 |
| 00 219 | 2/3/2000 | 2000 | 1,000,000 | 104,060 | 86,088 | 190,148 |
| 00 923 | 7/2/2000 | 2000 | 1,000,000 | 167,924 | 0 | 167,924 |
| 00 950 | 7/6/2000 | 2000 | 1,000,000 | 191,689 | 25,402 | 217,091 |
| 00 1184 | 7/18/2000 | 2000 | 1,000,000 | 104,376 | 54,004 | 158,380 |
| 00 1095 | 8/1/2000 | 2000 | 1,000,000 | 175,554 | 0 | 175,554 |
| 00 1149 | 8/8/2000 | 2000 | 1,000,000 | 128,053 | 43,702 | 171,755 |
| 00 1226 | 8/22/2000 | 2000 | 1,000,000 | 224,713 | 52,235 | 276,948 |
| 00 1377 | 9/22/2000 | 2000 | 1,000,000 | 141,825 | 137,960 | 279,785 |
| 00 1397 | 9/24/2000 | 2000 | 1,000,000 | 209,975 | 23,558 | 233,534 |
| 00 1566 | 11/7/2000 | 2001 | 1,000,000 | 199,352 | 183,618 | 382,970 |
| 00 1651 | 11/21/2000 | 2001 | 1,000,000 | 131,543 | 83,011 | 214,553 |
| 00 1772 | 12/14/2000 | 2001 | 1,000,000 | 304,105 | 236,230 | 540,335 |
| 01 19 | 12/29/2000 | 2001 | 1,000,000 | 95,422 | 85,622 | 181,044 |
| 01 159 | 1/16/2001 | 2001 | 1,000,000 | 959,158 | 0 | 959,158 |
| 01 233 | 2/1/2001 | 2001 | 1,000,000 | 233,254 | 37,473 | 270,727 |
| 01 287 | 2/13/2001 | 2001 | 1,000,000 | 92,196 | 89,461 | 181,657 |
| 01 395 | 2/20/2001 | 2001 | 1,000,000 | 84,909 | 114,385 | 199,294 |
| 01 412 | 3/10/2001 | 2001 | 1,000,000 | 99,806 | 213,387 | 313,194 |
| 01 458 | 3/17/2001 | 2001 | 1,000,000 | 122,018 | 179,028 | 301,047 |
| 01 594 | 4/6/2001 | 2001 | 1,000,000 | 175,162 | 214,471 | 389,634 |
| 01 804 | 5/10/2001 | 2001 | 1,000,000 | 173,353 | 109,837 | 283,191 |
| 01 981 | 5/31/2001 | 2001 | 1,000,000 | 110,284 | 105,259 | 215,543 |
| 01 992 | 6/5/2001 | 2001 | 1,000,000 | 143,586 | 97,599 | 241,184 |
| 01 1121 | 6/28/2001 | 2001 | 1,000,000 | 2,761,478 | 457,978 | 3,219,456 |
| 01 1162 | 7/5/2001 | 2001 | 1,000,000 | 206,989 | 209,506 | 416,495 |
| 01 1386 | 8/9/2001 | 2001 | 1,000,000 | 203,070 | 84,710 | 287,780 |
| 01 1385 | 8/9/2001 | 2001 | 1,000,000 | 103,927 | 152,670 | 256,597 |
| 01 1796 | 10/9/2001 | 2002 | 1,000,000 | 1,148,708 | 62,902 | 1,211,610 |
| 01 2058 | 12/12/2001 | 2002 | 1,000,000 | 330,005 | 5,072 | 335,077 |
| 02 256 | 2/19/2002 | 2002 | 1,000,000 | 207,622 | 116,882 | 324,504 |
| 02 806 | 4/23/2002 | 2002 | 1,000,000 | 151,985 | 0 | 151,985 |
| 02 775 | 5/22/2002 | 2002 | 1,000,000 | 363,553 | 137,896 | 501,449 |
| 02 1402 | 8/22/2002 | 2002 | 1,000,000 | 64,480 | 93,510 | 157,990 |
| 02 1620 | 9/24/2002 | 2002 | 1,000,000 | 259,809 | 15,518 | 275,327 |
| 02 1986 | 11/21/2002 | 2003 | 1,200,000 | 302,713 | 110,853 | 413,566 |
| 02 2018 | 11/25/2002 | 2003 | 1,200,000 | 199,701 | 34,371 | 234,073 |
| 03 696 | 4/16/2003 | 2003 | 1,200,000 | 67,663 | 91,008 | 158,672 |
| 03 1275 | 6/20/2003 | 2003 | 1,200,000 | 130,322 | 144,770 | 275,092 |
| 03 1247 | 7/10/2003 | 2003 | 1,200,000 | 317,108 | 349,156 | 666,264 |
| 03 1879 | 10/6/2003 | 2004 | 1,200,000 | 74,989 | 96,008 | 170,996 |
| 03 2155 | 11/18/2003 | 2004 | 1,200,000 | 122,161 | 56,807 | 178,968 |
| 04 471 | 3/11/2004 | 2004 | 1,200,000 | 326,361 | 176,541 | 502,903 |
| 04 635 | 4/12/2004 | 2004 | 1,200,000 | 350,914 | 87,164 | 438,078 |
| 04 886 | 5/20/2004 | 2004 | 1,200,000 | 107,890 | 133,648 | 241,539 |
| 04 1133 | 6/25/2004 | 2004 | 1,200,000 | 33,820 | 116,481 | 150,301 |
| 04 1585 | 8/19/2004 | 2004 | 1,200,000 | 52,093 | 123,721 | 175,814 |
| 04 1918 | 10/7/2004 | 2005 | 1,200,000 | 937,211 | 390,655 | 1,327,866 |
| 04 1940 | 10/11/2004 | 2005 | 1,200,000 | 81,950 | 99,745 | 181,695 |

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
LIST OF LARGE CLAIMS
INCURRED LOSSES GREATER THAN \$150,000
WORKERS' COMPENSATION - FIRE HEART AND HYPERTENSION CLAIMS
AS OF MARCH 31, 2018

| CLAIM NUMBER | DATE OF LOSS | ACCIDENT YEAR | SPECIFIC SELF INSURED RETENTION | UNLIMITED PAID LOSSES | UNLIMITED CASE RESERVES | UNLIMITED INCURRED LOSSES |
|--------------|--------------|---------------|---------------------------------|-----------------------|-------------------------|---------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 05 531 | 3/25/2005 | 2005 | 1,200,000 | 125,921 | 157,320 | 283,241 |
| 05 778 | 5/9/2005 | 2005 | 1,200,000 | 139,549 | 104,984 | 244,533 |
| 06 820 | 1/31/2006 | 2006 | 1,200,000 | 118,139 | 76,884 | 195,023 |
| 06 1264 | 7/20/2006 | 2006 | 1,200,000 | 273,042 | 225,624 | 498,666 |
| 07 17 | 12/27/2006 | 2007 | 1,200,000 | 99,271 | 59,879 | 159,150 |
| 08 765 | 5/26/2008 | 2008 | 1,200,000 | 2,961,328 | 89,199 | 3,050,527 |
| 08 1873 | 12/11/2008 | 2009 | 1,200,000 | 150,525 | 27,753 | 178,277 |
| 09 2237 | 11/28/2009 | 2010 | 1,200,000 | 147,806 | 10,050 | 157,856 |
| 10 25 | 1/6/2010 | 2010 | 1,200,000 | 250,982 | 61,140 | 312,122 |
| 10 927 | 7/1/2010 | 2010 | 1,200,000 | 222,916 | 124,848 | 347,764 |
| 10 1706 | 11/18/2010 | 2011 | 1,200,000 | 71,921 | 96,294 | 168,215 |
| 10 1789 | 12/5/2010 | 2011 | 1,200,000 | 120,520 | 94,323 | 214,843 |
| 11 801 | 6/5/2011 | 2011 | 1,200,000 | 135,111 | 165,125 | 300,236 |
| 12 1379 | 10/13/2011 | 2012 | 1,200,000 | 352,304 | 127,845 | 480,148 |
| 12 704 | 5/18/2012 | 2012 | 1,200,000 | 128,699 | 90,984 | 219,682 |
| 12 796 | 6/5/2012 | 2012 | 1,200,000 | 120,312 | 47,639 | 167,951 |
| 12 1206 | 9/6/2012 | 2012 | 1,200,000 | 38,797 | 148,725 | 187,522 |
| 12 1629 | 12/5/2012 | 2013 | 1,200,000 | 96,451 | 57,644 | 154,095 |
| 13 357 | 3/9/2013 | 2013 | 1,200,000 | 397,711 | 216,457 | 614,168 |
| 1310 01202 | 9/29/2013 | 2013 | 1,200,000 | 223,526 | 40,900 | 264,426 |
| 1410 00359 | 12/30/2013 | 2014 | 1,250,000 | 165,596 | 5,000 | 170,596 |
| 1410 01338 | 11/17/2014 | 2015 | 1,500,000 | 126,046 | 181,182 | 307,228 |
| 1510 00032 | 12/1/2014 | 2015 | 1,500,000 | 212,433 | 57,820 | 270,253 |
| 1510 00827 | 2/23/2015 | 2015 | 1,500,000 | 305,837 | 54,845 | 360,682 |
| 1510 00555 | 4/30/2015 | 2015 | 1,500,000 | 39,948 | 122,828 | 162,776 |
| 1510 00592 | 5/10/2015 | 2015 | 1,500,000 | 897,439 | 461,609 | 1,359,049 |
| 1510 00669 | 5/25/2015 | 2015 | 1,500,000 | 212,858 | 97,472 | 310,330 |
| 1510 01241 | 9/29/2015 | 2015 | 1,500,000 | 99,336 | 171,581 | 270,917 |
| 1610 00334 | 2/18/2016 | 2016 | 1,500,000 | 101,137 | 89,663 | 190,800 |
| 1610 00447 | 4/19/2016 | 2016 | 1,500,000 | 252,755 | 227,041 | 479,797 |
| 1610 00913 | 8/5/2016 | 2016 | 1,500,000 | 68,295 | 82,705 | 151,000 |
| 1710 00215 | 2/23/2017 | 2017 | 1,500,000 | 97,800 | 116,060 | 213,860 |

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
LIST OF LARGE CLAIMS
INCURRED LOSSES GREATER THAN \$150,000
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| CLAIM NUMBER | DATE OF LOSS | ACCIDENT YEAR | SPECIFIC SELF INSURED RETENTION | UNLIMITED PAID LOSSES | UNLIMITED CASE RESERVES | UNLIMITED INCURRED LOSSES |
|--------------|--------------|---------------|---------------------------------|-----------------------|-------------------------|---------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 77W01942 00 | 7/1/1978 | 1978 | \$500,000 | \$1,805,132 | \$293,085 | \$2,098,217 |
| 78W05327 00 | 4/27/1979 | 1979 | 500,000 | 591,912 | 23,503 | 615,415 |
| 78W05450 00 | 6/11/1979 | 1979 | 500,000 | 437,453 | 67,898 | 505,351 |
| 79W01762 00 | 8/22/1980 | 1980 | 500,000 | 352,113 | 0 | 352,113 |
| 79W01902 00 | 9/12/1980 | 1980 | 500,000 | 357,777 | 0 | 357,777 |
| 80W00443 00 | 12/15/1980 | 1981 | 1,000,000 | 345,280 | 0 | 345,280 |
| 81W00944 00 | 2/10/1982 | 1982 | 1,000,000 | 327,702 | 0 | 327,702 |
| 81W01139 00 | 3/15/1982 | 1982 | 1,000,000 | 364,806 | 0 | 364,806 |
| 83W00647 00 | 1/6/1984 | 1984 | 250,000 | 1,001,899 | 0 | 1,001,899 |
| 83W01747 00 | 6/4/1984 | 1984 | 250,000 | 161,664 | 0 | 161,664 |
| 83W02331 00 | 8/13/1984 | 1984 | 250,000 | 254,014 | 0 | 254,014 |
| 84W00415 00 | 11/20/1984 | 1985 | 250,000 | 142,929 | 271,895 | 414,824 |
| 84W01676 00 | 5/24/1985 | 1985 | 250,000 | 283,812 | 0 | 283,812 |
| 84W02420 00 | 8/26/1985 | 1985 | 250,000 | 4,402,488 | 36,462 | 4,438,950 |
| 86W00445 00 | 6/3/1986 | 1986 | 250,000 | 913,151 | 151,463 | 1,064,613 |
| 86W01009 00 | 3/11/1987 | 1987 | 1,000,000 | 1,568,781 | 31,711 | 1,600,491 |
| 86W01064 00 | 3/15/1987 | 1987 | 1,000,000 | 267,372 | 0 | 267,372 |
| 87W00829 00 | 2/3/1988 | 1988 | 1,000,000 | 356,522 | 0 | 356,522 |
| 87W01452 00 | 5/9/1988 | 1988 | 1,000,000 | 232,625 | 0 | 232,625 |
| 88W00969 00 | 12/1/1988 | 1989 | 1,000,000 | 161,667 | 0 | 161,667 |
| 88W00942 00 | 2/21/1989 | 1989 | 1,000,000 | 273,379 | 0 | 273,379 |
| 89W00078 00 | 10/9/1989 | 1990 | 1,000,000 | 246,987 | 0 | 246,987 |
| 89W00175 00 | 10/10/1989 | 1990 | 1,000,000 | 243,035 | 0 | 243,035 |
| 89W00335 00 | 11/1/1989 | 1990 | 1,000,000 | 164,952 | 0 | 164,952 |
| 89W00530 00 | 11/21/1989 | 1990 | 1,000,000 | 244,943 | 0 | 244,943 |
| 89W01478 00 | 4/24/1990 | 1990 | 1,000,000 | 951,275 | 0 | 951,275 |
| 89W01832 00 | 6/14/1990 | 1990 | 1,000,000 | 169,757 | 0 | 169,757 |
| 89W02044 00 | 7/12/1990 | 1990 | 1,000,000 | 152,745 | 0 | 152,745 |
| 89W02179 00 | 7/24/1990 | 1990 | 1,000,000 | 1,974,049 | 693,360 | 2,667,408 |
| 90W00564 00 | 11/19/1990 | 1991 | 1,000,000 | 217,152 | 0 | 217,152 |
| 90W01069 00 | 1/13/1991 | 1991 | 1,000,000 | 179,078 | 0 | 179,078 |
| 90W01253 00 | 3/31/1991 | 1991 | 1,000,000 | 1,025,713 | 696,672 | 1,722,385 |
| 90W02056 00 | 7/9/1991 | 1991 | 1,000,000 | 170,244 | 0 | 170,244 |
| 90W02585 00 | 9/3/1991 | 1991 | 1,000,000 | 211,586 | 0 | 211,586 |
| 91W00718 00 | 1/14/1992 | 1992 | 1,000,000 | 205,324 | 0 | 205,324 |
| 91W01278 00 | 4/3/1992 | 1992 | 1,000,000 | 195,233 | 0 | 195,233 |
| 92W00260 00 | 10/24/1992 | 1993 | 1,000,000 | 268,252 | 116,853 | 385,105 |
| 92W00804 00 | 1/25/1993 | 1993 | 1,000,000 | 1,350,301 | 0 | 1,350,301 |
| 92W01296 00 | 4/5/1993 | 1993 | 1,000,000 | 289,850 | 0 | 289,850 |
| 92W01970 00 | 6/1/1993 | 1993 | 1,000,000 | 160,442 | 0 | 160,442 |
| 92W01841 00 | 6/14/1993 | 1993 | 1,000,000 | 163,501 | 0 | 163,501 |
| 92W02175 00 | 7/20/1993 | 1993 | 1,000,000 | 368,370 | 0 | 368,370 |
| 92W02410 00 | 8/23/1993 | 1993 | 1,000,000 | 314,067 | 0 | 314,067 |
| 93W00097 00 | 9/28/1993 | 1993 | 1,000,000 | 251,880 | 0 | 251,880 |
| 93W00665 00 | 12/29/1993 | 1994 | 1,000,000 | 269,911 | 0 | 269,911 |
| 94W01486 00 | 5/26/1995 | 1995 | 1,000,000 | 157,078 | 0 | 157,078 |
| 96W01263 00 | 5/2/1997 | 1997 | 1,000,000 | 209,946 | 0 | 209,946 |
| 98W01232 00 | 2/6/1999 | 1999 | 1,000,000 | 672,834 | 0 | 672,834 |
| 01 17 | 9/10/1999 | 1999 | 1,000,000 | 520,606 | 0 | 520,606 |
| 00 9 | 12/9/1999 | 2000 | 1,000,000 | 543,054 | 0 | 543,054 |

Notes:

(1) to (6) - Per CITY OF JACKSONVILLE.

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
LIST OF LARGE CLAIMS
INCURRED LOSSES GREATER THAN \$150,000
WORKERS' COMPENSATION - SHERIFF NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018
(AMTS IN THOUSANDS)
LIMITED TO RETENTION

| CLAIM NUMBER | DATE OF LOSS | ACCIDENT YEAR | SPECIFIC SELF INSURED RETENTION | UNLIMITED PAID LOSSES | UNLIMITED CASE RESERVES | UNLIMITED INCURRED LOSSES |
|--------------|--------------|---------------|---------------------------------|-----------------------|-------------------------|---------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 00 81 | 1/10/2000 | 2000 | 1,000,000 | 337,919 | 0 | 337,919 |
| 00 711 | 5/12/2000 | 2000 | 1,000,000 | 165,607 | 0 | 165,607 |
| 00 1157 | 7/28/2000 | 2000 | 1,000,000 | 398,752 | 0 | 398,752 |
| 00 1390 | 9/15/2000 | 2000 | 1,000,000 | 583,008 | 717,581 | 1,300,589 |
| 01 209 | 1/5/2001 | 2001 | 1,000,000 | 203,985 | 0 | 203,985 |
| 01 165 | 1/15/2001 | 2001 | 1,000,000 | 169,755 | 0 | 169,755 |
| 01 393 | 2/23/2001 | 2001 | 1,000,000 | 165,656 | 0 | 165,656 |
| 01 1173 | 7/9/2001 | 2001 | 1,000,000 | 155,616 | 0 | 155,616 |
| 01 1223 | 7/16/2001 | 2001 | 1,000,000 | 103,391 | 158,542 | 261,932 |
| 01 1431 | 8/16/2001 | 2001 | 1,000,000 | 167,876 | 65,677 | 233,553 |
| 01 1571 | 9/10/2001 | 2001 | 1,000,000 | 220,139 | 0 | 220,139 |
| 01 1982 | 11/27/2001 | 2002 | 1,000,000 | 120,022 | 57,601 | 177,623 |
| 01 2075 | 12/7/2001 | 2002 | 1,000,000 | 256,339 | 0 | 256,339 |
| 02 961 | 6/19/2002 | 2002 | 1,000,000 | 938,943 | 454,146 | 1,393,089 |
| 02 1583 | 9/17/2002 | 2002 | 1,000,000 | 425,682 | 0 | 425,682 |
| 03 243 | 2/6/2003 | 2003 | 1,200,000 | 1,238,420 | 0 | 1,238,420 |
| 03 758 | 4/24/2003 | 2003 | 1,200,000 | 395,272 | 412,449 | 807,721 |
| 03 957 | 5/30/2003 | 2003 | 1,200,000 | 331,884 | 51,360 | 383,244 |
| 03 1418 | 8/3/2003 | 2003 | 1,200,000 | 273,882 | 0 | 273,882 |
| 04 616 | 2/18/2004 | 2004 | 1,200,000 | 328,368 | 0 | 328,368 |
| 04 895 | 5/7/2004 | 2004 | 1,200,000 | 536,886 | 0 | 536,886 |
| 04 1025 | 6/9/2004 | 2004 | 1,200,000 | 115,263 | 145,394 | 260,657 |
| 04 1752 | 9/11/2004 | 2004 | 1,200,000 | 155,327 | 0 | 155,327 |
| 05 231 | 2/3/2005 | 2005 | 1,200,000 | 926,987 | 0 | 926,987 |
| 05 2226 | 12/15/2005 | 2006 | 1,200,000 | 93,959 | 79,273 | 173,232 |
| 06 47 | 1/9/2006 | 2006 | 1,200,000 | 638,431 | 0 | 638,431 |
| 06 211 | 2/3/2006 | 2006 | 1,200,000 | 271,312 | 56,151 | 327,464 |
| 06 1179 | 7/6/2006 | 2006 | 1,200,000 | 447,458 | 0 | 447,458 |
| 06 1335 | 7/27/2006 | 2006 | 1,200,000 | 172,359 | 207,794 | 380,152 |
| 06 1904 | 10/31/2006 | 2007 | 1,200,000 | 95,047 | 61,317 | 156,365 |
| 07 1372 | 9/12/2007 | 2007 | 1,200,000 | 131,674 | 31,842 | 163,516 |
| 07 1378 | 9/13/2007 | 2007 | 1,200,000 | 139,368 | 141,859 | 281,227 |
| 07 1858 | 12/8/2007 | 2008 | 1,200,000 | 201,966 | 0 | 201,966 |
| 08 124 | 1/26/2008 | 2008 | 1,200,000 | 225,453 | 0 | 225,453 |
| 08 151 | 1/31/2008 | 2008 | 1,200,000 | 46,941 | 128,443 | 175,384 |
| 08 261 | 2/23/2008 | 2008 | 1,200,000 | 228,788 | 0 | 228,788 |
| 08 532 | 4/4/2008 | 2008 | 1,200,000 | 155,754 | 0 | 155,754 |
| 08 574 | 4/17/2008 | 2008 | 1,200,000 | 265,363 | 0 | 265,363 |
| 08 1385 | 9/4/2008 | 2008 | 1,200,000 | 160,176 | 0 | 160,176 |
| 08 1398 | 9/7/2008 | 2008 | 1,200,000 | 227,874 | 39,334 | 267,208 |
| 09 532 | 4/3/2009 | 2009 | 1,200,000 | 384,420 | 0 | 384,420 |
| 09 1731 | 9/13/2009 | 2009 | 1,200,000 | 156,364 | 142,325 | 298,689 |
| 09 2131 | 11/10/2009 | 2010 | 1,200,000 | 203,859 | 0 | 203,859 |
| 10 292 | 3/1/2010 | 2010 | 1,200,000 | 633,136 | 73,758 | 706,894 |
| 11 558 | 4/20/2011 | 2011 | 1,200,000 | 811,684 | 0 | 811,684 |
| 11 845 | 6/7/2011 | 2011 | 1,200,000 | 192,130 | 0 | 192,130 |
| 11 872 | 6/22/2011 | 2011 | 1,200,000 | 151,824 | 0 | 151,824 |
| 12 227 | 2/20/2012 | 2012 | 1,200,000 | 314,990 | 0 | 314,990 |
| 12 1475 | 10/26/2012 | 2013 | 1,200,000 | 129,887 | 109,133 | 239,021 |
| 12 1481 | 10/27/2012 | 2013 | 1,200,000 | 27,640 | 142,166 | 169,807 |
| 1310 00564 | 5/13/2013 | 2013 | 1,200,000 | 208,685 | 0 | 208,685 |
| 1310 01189 | 9/19/2013 | 2013 | 1,200,000 | 81,621 | 217,958 | 299,579 |
| 1310 01707 | 12/19/2013 | 2014 | 1,250,000 | 63,889 | 139,747 | 203,636 |
| 1410 00372 | 4/2/2014 | 2014 | 1,250,000 | 230,447 | 0 | 230,447 |
| 1510 00105 | 1/28/2015 | 2015 | 1,500,000 | 169,149 | 17,322 | 186,470 |
| 1510 01587 | 42359 | 2016 | 1500000 | 97,693 | 132,942 | 230634.9 |
| 1610 00278 | 3/9/2016 | 2016 | 1,500,000 | 197,579 | 0 | 197,579 |
| 1610 01194 | 10/7/2016 | 2017 | 1,500,000 | 433,934 | 283,652 | 717,587 |
| 1710 00013 | 1/3/2017 | 2017 | 1,500,000 | 101,941 | 86,051 | 187,991 |
| 1710 00032 | 1/6/2017 | 2017 | 1,500,000 | 161,633 | 0 | 161,633 |
| 1710 00824 | 7/25/2017 | 2017 | 1,500,000 | 225,498 | 216,776 | 442,274 |
| 1710 00942 | 8/18/2017 | 2017 | 1,500,000 | 120,411 | 108,219 | 228,630 |
| 1710 00941 | 8/18/2017 | 2017 | 1,500,000 | 119,491 | 97,130 | 216,621 |
| 1810 00001 | 1/2/2018 | 2018 | 1,500,000 | 217,371 | 297,629 | 515,000 |

Notes:

(1) to (6) - Per CITY OF JACKSONVILLE.

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
LIST OF LARGE CLAIMS
INCURRED LOSSES GREATER THAN \$150,000
WORKERS' COMPENSATION - FIRE NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018

| CLAIM NUMBER | DATE OF LOSS | ACCIDENT YEAR | SPECIFIC SELF INSURED RETENTION | UNLIMITED PAID LOSSES | UNLIMITED CASE RESERVES | UNLIMITED INCURRED LOSSES |
|--------------|--------------|---------------|---------------------------------|-----------------------|-------------------------|---------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 77W02530 00 | 8/29/1978 | 1978 | \$500,000 | \$358,223 | \$0 | \$358,223 |
| 78W06824 00 | 7/27/1979 | 1979 | 500,000 | 179,638 | 0 | 179,638 |
| 78W06427 00 | 8/29/1979 | 1979 | 500,000 | 160,332 | 0 | 160,332 |
| 79W00845 00 | 5/6/1980 | 1980 | 500,000 | 648,575 | 0 | 648,575 |
| 80W01666 00 | 7/3/1981 | 1981 | 1,000,000 | 205,729 | 0 | 205,729 |
| 80W01697 00 | 7/11/1981 | 1981 | 1,000,000 | 304,069 | 0 | 304,069 |
| 83W00516 00 | 12/14/1983 | 1984 | 250,000 | 575,675 | 189,796 | 765,470 |
| 84W01411 00 | 4/16/1985 | 1985 | 250,000 | 697,495 | 0 | 697,495 |
| 84W01813 00 | 6/9/1985 | 1985 | 250,000 | 477,194 | 0 | 477,194 |
| 85W00626 00 | 1/1/1986 | 1986 | 250,000 | 172,300 | 0 | 172,300 |
| 85W00780 00 | 2/4/1986 | 1986 | 250,000 | 264,338 | 0 | 264,338 |
| 86W00236 00 | 11/6/1986 | 1987 | 1,000,000 | 371,422 | 0 | 371,422 |
| 86W01605 00 | 6/3/1987 | 1987 | 1,000,000 | 326,237 | 0 | 326,237 |
| 87W00935 00 | 2/26/1988 | 1988 | 1,000,000 | 244,715 | 0 | 244,715 |
| 87W01523 00 | 5/24/1988 | 1988 | 1,000,000 | 799,189 | 0 | 799,189 |
| 87W01711 00 | 6/23/1988 | 1988 | 1,000,000 | 383,807 | 0 | 383,807 |
| 88W01954 00 | 11/22/1988 | 1989 | 1,000,000 | 1,464,479 | 79,533 | 1,544,012 |
| 88W00527 00 | 12/21/1988 | 1989 | 1,000,000 | 224,907 | 0 | 224,907 |
| 88W00529 00 | 12/21/1988 | 1989 | 1,000,000 | 146,235 | 61,830 | 208,066 |
| 88W00701 00 | 1/10/1989 | 1989 | 1,000,000 | 303,437 | 44,971 | 348,408 |
| 88W00845 00 | 1/28/1989 | 1989 | 1,000,000 | 370,251 | 0 | 370,251 |
| 88W00896 00 | 1/30/1989 | 1989 | 1,000,000 | 771,859 | 0 | 771,859 |
| 88W01824 00 | 4/24/1989 | 1989 | 1,000,000 | 272,579 | 0 | 272,579 |
| 90W00071 00 | 9/16/1990 | 1990 | 1,000,000 | 229,857 | 0 | 229,857 |
| 90W00290 00 | 10/24/1990 | 1991 | 1,000,000 | 194,383 | 93,645 | 288,029 |
| 90W00657 00 | 12/27/1990 | 1991 | 1,000,000 | 327,224 | 0 | 327,224 |
| 90W02606 00 | 9/13/1991 | 1991 | 1,000,000 | 154,877 | 0 | 154,877 |
| 91W00588 00 | 12/16/1991 | 1992 | 1,000,000 | 300,289 | 0 | 300,289 |
| 91W01183 00 | 3/26/1992 | 1992 | 1,000,000 | 569,050 | 0 | 569,050 |
| 92W00538 00 | 9/6/1992 | 1992 | 1,000,000 | 156,660 | 130,613 | 287,272 |
| 91W02443 00 | 9/16/1992 | 1992 | 1,000,000 | 214,657 | 0 | 214,657 |
| 92W00552 00 | 12/8/1992 | 1993 | 1,000,000 | 170,469 | 0 | 170,469 |
| 93W00173 00 | 10/15/1993 | 1994 | 1,000,000 | 328,995 | 0 | 328,995 |
| 93W01128 00 | 3/7/1994 | 1994 | 1,000,000 | 1,005,432 | 194,568 | 1,200,000 |
| 93W01600 00 | 5/14/1994 | 1994 | 1,000,000 | 172,862 | 68,426 | 241,288 |
| 95W01618 00 | 5/17/1996 | 1996 | 1,000,000 | 219,660 | 119,554 | 339,214 |

Notes:

(1) to (6) - Per CITY OF JACKSONVILLE.

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

*Accident year 2018 is a 6-month partial year from 10/1/2017 to 3/31/2018.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
LIST OF LARGE CLAIMS
INCURRED LOSSES GREATER THAN \$150,000
WORKERS' COMPENSATION - OTHER CITY NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018

| CLAIM NUMBER | DATE OF LOSS | ACCIDENT YEAR | SPECIFIC SELF INSURED RETENTION | UNLIMITED PAID LOSSES | UNLIMITED CASE RESERVES | UNLIMITED INCURRED LOSSES | |
|--------------|--------------|---------------|---------------------------------|-----------------------|-------------------------|---------------------------|-----------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | |
| 78W05655 | 00 | 6/27/1979 | 1979 | \$500,000 | \$809,595 | \$166,934 | \$976,529 |
| 79W07763 | 00 | 10/26/1979 | 1980 | 500,000 | 229,253 | 0 | 229,253 |
| 80W00829 | 00 | 11/21/1979 | 1980 | 500,000 | 417,548 | 0 | 417,548 |
| 79W00452 | 00 | 2/27/1980 | 1980 | 500,000 | 203,263 | 0 | 203,263 |
| 79W00736 | 00 | 4/11/1980 | 1980 | 500,000 | 954,508 | 0 | 954,508 |
| 79W01004 | 00 | 5/19/1980 | 1980 | 500,000 | 150,836 | 0 | 150,836 |
| 79W01257 | 00 | 6/24/1980 | 1980 | 500,000 | 540,387 | 128,946 | 669,333 |
| 81W00552 | 00 | 1/26/1981 | 1981 | 1,000,000 | 232,396 | 0 | 232,396 |
| 80W00871 | 00 | 3/6/1981 | 1981 | 1,000,000 | 155,596 | 0 | 155,596 |
| 80W00903 | 00 | 3/9/1981 | 1981 | 1,000,000 | 260,299 | 0 | 260,299 |
| 80W00966 | 00 | 3/10/1981 | 1981 | 1,000,000 | 164,980 | 0 | 164,980 |
| 80W01672 | 00 | 7/10/1981 | 1981 | 1,000,000 | 391,009 | 0 | 391,009 |
| 80W00407 | 00 | 12/1/1980 | 1981 | 1,000,000 | 208,549 | 51,178 | 259,727 |
| 81W00379 | 00 | 11/14/1981 | 1982 | 1,000,000 | 530,363 | 0 | 530,363 |
| 81W01535 | 00 | 4/29/1982 | 1982 | 1,000,000 | 364,133 | 0 | 364,133 |
| 81W02116 | 00 | 7/15/1982 | 1982 | 1,000,000 | 330,914 | 0 | 330,914 |
| 81W01240 | 00 | 3/19/1982 | 1982 | 1,000,000 | 431,359 | 75,363 | 506,722 |
| 82W00809 | 00 | 1/24/1983 | 1983 | 250,000 | 391,286 | 0 | 391,286 |
| 82W00766 | 00 | 1/28/1983 | 1983 | 250,000 | 515,471 | 0 | 515,471 |
| 82W02013 | 00 | 7/22/1983 | 1983 | 250,000 | 385,275 | 0 | 385,275 |
| 83W00067 | 00 | 10/5/1983 | 1984 | 250,000 | 355,850 | 0 | 355,850 |
| 83W00422 | 00 | 11/25/1983 | 1984 | 250,000 | 2,961,948 | 0 | 2,961,948 |
| 83W01874 | 00 | 6/29/1984 | 1984 | 250,000 | 477,892 | 0 | 477,892 |
| 83W02427 | 00 | 8/28/1984 | 1984 | 250,000 | 224,994 | 0 | 224,994 |
| 84W01441 | 00 | 4/23/1985 | 1985 | 250,000 | 167,792 | 0 | 167,792 |
| 84W01451 | 00 | 4/23/1985 | 1985 | 250,000 | 666,410 | 0 | 666,410 |
| 84W01563 | 00 | 4/30/1985 | 1985 | 250,000 | 164,618 | 0 | 164,618 |
| 84W01529 | 00 | 5/2/1985 | 1985 | 250,000 | 495,759 | 203,533 | 699,293 |
| 85W00246 | 00 | 10/17/1985 | 1986 | 250,000 | 302,479 | 0 | 302,479 |
| 85W00389 | 00 | 12/4/1985 | 1986 | 250,000 | 420,567 | 0 | 420,567 |
| 86W00072 | 00 | 10/2/1986 | 1987 | 250,000 | 290,266 | 0 | 290,266 |
| 86W00890 | 00 | 2/19/1987 | 1987 | 1,000,000 | 356,668 | 0 | 356,668 |
| 86W01500 | 00 | 5/14/1987 | 1987 | 1,000,000 | 603,829 | 0 | 603,829 |
| 86W01598 | 00 | 5/28/1987 | 1987 | 1,000,000 | 477,550 | 0 | 477,550 |
| 86W02001 | 00 | 7/14/1987 | 1987 | 1,000,000 | 505,589 | 0 | 505,589 |
| 86W02314 | 00 | 9/14/1987 | 1987 | 1,000,000 | 175,443 | 0 | 175,443 |
| 87W01289 | 00 | 4/18/1988 | 1988 | 1,000,000 | 1,068,154 | 0 | 1,068,154 |
| 87W01426 | 00 | 4/24/1988 | 1988 | 1,000,000 | 311,260 | 0 | 311,260 |
| 87W01601 | 00 | 6/6/1988 | 1988 | 1,000,000 | 325,213 | 0 | 325,213 |

Notes:

(1) to (6) - Per CITY OF JACKSONVILLE.

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
LIST OF LARGE CLAIMS
INCURRED LOSSES GREATER THAN \$150,000
WORKERS' COMPENSATION - OTHER CITY NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018

| CLAIM NUMBER | DATE OF LOSS | ACCIDENT YEAR | SPECIFIC SELF INSURED RETENTION | UNLIMITED PAID LOSSES | UNLIMITED CASE RESERVES | UNLIMITED INCURRED LOSSES |
|--------------|--------------|---------------|---------------------------------|-----------------------|-------------------------|---------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 87W01777 00 | 6/29/1988 | 1988 | 1,000,000 | 248,409 | 0 | 248,409 |
| 87W01849 00 | 7/6/1988 | 1988 | 1,000,000 | 743,641 | 0 | 743,641 |
| 87W02290 00 | 8/23/1988 | 1988 | 1,000,000 | 949,809 | 0 | 949,809 |
| 88W00689 00 | 1/6/1989 | 1989 | 1,000,000 | 214,718 | 0 | 214,718 |
| 88W01710 00 | 5/8/1989 | 1989 | 1,000,000 | 416,725 | 0 | 416,725 |
| 88W02404 00 | 7/26/1989 | 1989 | 1,000,000 | 169,209 | 0 | 169,209 |
| 89W00296 00 | 10/9/1989 | 1990 | 1,000,000 | 253,727 | 0 | 253,727 |
| 89W00963 00 | 2/21/1990 | 1990 | 1,000,000 | 155,898 | 0 | 155,898 |
| 89W01129 00 | 3/9/1990 | 1990 | 1,000,000 | 162,043 | 0 | 162,043 |
| 89W01439 00 | 4/19/1990 | 1990 | 1,000,000 | 153,124 | 0 | 153,124 |
| 89W01670 00 | 5/12/1990 | 1990 | 1,000,000 | 176,856 | 0 | 176,856 |
| 89W01652 00 | 5/14/1990 | 1990 | 1,000,000 | 155,227 | 0 | 155,227 |
| 89W02012 00 | 6/28/1990 | 1990 | 1,000,000 | 175,149 | 0 | 175,149 |
| 89W02159 00 | 7/25/1990 | 1990 | 1,000,000 | 246,370 | 0 | 246,370 |
| 89W02192 00 | 7/30/1990 | 1990 | 1,000,000 | 1,497,624 | 117,328 | 1,614,951 |
| 90W00680 00 | 1/7/1991 | 1991 | 1,000,000 | 215,002 | 0 | 215,002 |
| 90W00860 00 | 2/5/1991 | 1991 | 1,000,000 | 279,663 | 0 | 279,663 |
| 90W00973 00 | 2/27/1991 | 1991 | 1,000,000 | 162,624 | 0 | 162,624 |
| 90W01059 00 | 3/7/1991 | 1991 | 1,000,000 | 464,322 | 0 | 464,322 |
| 90W02214 00 | 5/13/1991 | 1991 | 1,000,000 | 268,423 | 0 | 268,423 |
| 90W02574 00 | 8/9/1991 | 1991 | 1,000,000 | 184,668 | 0 | 184,668 |
| 91W00995 00 | 3/9/1992 | 1992 | 1,000,000 | 285,323 | 0 | 285,323 |
| 91W01456 00 | 5/5/1992 | 1992 | 1,000,000 | 317,162 | 0 | 317,162 |
| 91W01476 00 | 5/11/1992 | 1992 | 1,000,000 | 307,401 | 0 | 307,401 |
| 91W01610 00 | 5/25/1992 | 1992 | 1,000,000 | 273,852 | 0 | 273,852 |
| 91W01874 00 | 7/9/1992 | 1992 | 1,000,000 | 549,188 | 0 | 549,188 |
| 91W00170 00 | 10/15/1991 | 1992 | 1,000,000 | 575,003 | 132,947 | 707,949 |
| 92W01771 00 | 5/25/1993 | 1993 | 1,000,000 | 218,572 | 0 | 218,572 |
| 92W01769 00 | 6/10/1993 | 1993 | 1,000,000 | 450,250 | 0 | 450,250 |
| 92W02064 00 | 7/14/1993 | 1993 | 1,000,000 | 172,160 | 0 | 172,160 |
| 92W02371 00 | 8/18/1993 | 1993 | 1,000,000 | 242,278 | 0 | 242,278 |
| 92W02214 00 | 8/4/1993 | 1993 | 1,000,000 | 648,516 | 192,068 | 840,584 |
| 93W00573 00 | 12/2/1993 | 1994 | 1,000,000 | 1,319,491 | 311,258 | 1,630,749 |
| 94W01286 00 | 4/6/1995 | 1995 | 1,000,000 | 231,146 | 0 | 231,146 |
| 94W01514 00 | 6/6/1995 | 1995 | 1,000,000 | 189,616 | 0 | 189,616 |
| 95W00478 00 | 11/27/1995 | 1996 | 1,000,000 | 591,982 | 0 | 591,982 |
| 95W00626 00 | 12/28/1995 | 1996 | 1,000,000 | 831,145 | 0 | 831,145 |
| 95W01971 00 | 7/10/1996 | 1996 | 1,000,000 | 169,163 | 0 | 169,163 |
| 96W00588 00 | 12/16/1996 | 1997 | 1,000,000 | 181,427 | 0 | 181,427 |
| 96W00958 00 | 3/6/1997 | 1997 | 1,000,000 | 415,065 | 0 | 415,065 |

Notes:

(1) to (6) - Per CITY OF JACKSONVILLE.

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
LIST OF LARGE CLAIMS
INCURRED LOSSES GREATER THAN \$150,000
WORKERS' COMPENSATION - OTHER CITY NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018

| CLAIM NUMBER | DATE OF LOSS | ACCIDENT YEAR | SPECIFIC SELF INSURED RETENTION | UNLIMITED PAID LOSSES | UNLIMITED CASE RESERVES | UNLIMITED INCURRED LOSSES |
|--------------|--------------|---------------|---------------------------------|-----------------------|-------------------------|---------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 96W01846 00 | 8/3/1997 | 1997 | 1,000,000 | 203,592 | 0 | 203,592 |
| 97W00683 00 | 12/16/1997 | 1998 | 1,000,000 | 253,849 | 0 | 253,849 |
| 97W01522 00 | 6/9/1998 | 1998 | 1,000,000 | 182,639 | 0 | 182,639 |
| 97W01717 00 | 7/2/1998 | 1998 | 1,000,000 | 210,791 | 0 | 210,791 |
| 98W01498 00 | 7/19/1999 | 1999 | 1,000,000 | 242,379 | 0 | 242,379 |
| 99 360 | 8/25/1999 | 1999 | 1,000,000 | 387,511 | 0 | 387,511 |
| 98W00472 00 | 1/1/1999 | 1999 | 1,000,000 | 106,155 | 114,072 | 220,227 |
| 00 87 | 1/6/2000 | 2000 | 1,000,000 | 488,744 | 0 | 488,744 |
| 00 1745 | 11/29/2000 | 2001 | 1,000,000 | 203,974 | 0 | 203,974 |
| 00 1785 | 12/11/2000 | 2001 | 1,000,000 | 156,965 | 0 | 156,965 |
| 01 1917 | 11/5/2001 | 2002 | 1,000,000 | 170,343 | 0 | 170,343 |
| 02 178 | 1/29/2002 | 2002 | 1,000,000 | 165,676 | 0 | 165,676 |
| 02 849 | 6/4/2002 | 2002 | 1,000,000 | 225,217 | 0 | 225,217 |
| 01 1975 | 11/25/2001 | 2002 | 1,000,000 | 53,443 | 150,304 | 203,747 |
| 03 1493 | 8/7/2003 | 2003 | 1,200,000 | 209,539 | 0 | 209,539 |
| 05 43 | 1/5/2005 | 2005 | 1,200,000 | 178,600 | 0 | 178,600 |
| 05 1696 | 9/15/2005 | 2005 | 1,200,000 | 82,023 | 83,315 | 165,339 |
| 07 945 | 6/28/2007 | 2007 | 1,200,000 | 168,776 | 0 | 168,776 |
| 08 213 | 2/13/2008 | 2008 | 1,200,000 | 212,556 | 0 | 212,556 |
| 08 419 | 3/25/2008 | 2008 | 1,200,000 | 157,500 | 0 | 157,500 |
| 08 1498 | 9/23/2008 | 2008 | 1,200,000 | 137,987 | 63,528 | 201,515 |
| 08 500 | 4/4/2008 | 2008 | 1,200,000 | 64,514 | 99,571 | 164,086 |
| 09 1584 | 8/31/2009 | 2009 | 1,200,000 | 187,619 | 0 | 187,619 |
| 09 1827 | 9/24/2009 | 2009 | 1,200,000 | 1,460,581 | 0 | 1,460,581 |
| 09 1587 | 8/31/2009 | 2009 | 1,200,000 | 134,915 | 120,383 | 255,298 |
| 08 1816 | 11/25/2008 | 2009 | 1,200,000 | 98,632 | 99,053 | 197,685 |
| 10 1044 | 7/29/2010 | 2010 | 1,200,000 | 263,992 | 0 | 263,992 |
| 10 1073 | 7/2/2010 | 2010 | 1,200,000 | 63,053 | 107,531 | 170,583 |
| 09 2322 | 12/9/2009 | 2010 | 1,200,000 | 69,880 | 108,085 | 177,965 |
| 11 1559 | 11/11/2011 | 2012 | 1,200,000 | 531,544 | 0 | 531,544 |
| 12 02 | 12/28/2011 | 2012 | 1,200,000 | 194,601 | 0 | 194,601 |
| 12 575 | 3/15/2012 | 2012 | 1,200,000 | 459,271 | 0 | 459,271 |
| 12 1281 | 9/21/2012 | 2012 | 1,200,000 | 191,857 | 0 | 191,857 |
| 12 1246 | 9/14/2012 | 2012 | 1,200,000 | 148,359 | 94,103 | 242,461 |
| 1410 01453 | 12/17/2014 | 2015 | 1,500,000 | 155,443 | 0 | 155,443 |
| 1410 01279 | 10/27/2014 | 2015 | 1,500,000 | 497,325 | 53,964 | 551,290 |
| 1610 00177 | 2/4/2016 | 2016 | 1,500,000 | 96,619 | 0 | 254,133 |

Notes:

(1) to (6) - Per CITY OF JACKSONVILLE.

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
LIST OF LARGE CLAIMS
INCURRED LOSSES GREATER THAN \$150,000
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018

| CLAIM NUMBER | DATE OF LOSS | ACCIDENT YEAR | SPECIFIC SELF INSURED RETENTION | UNLIMITED PAID LOSSES | UNLIMITED CASE RESERVES | UNLIMITED INCURRED LOSSES |
|--------------|--------------|---------------|---------------------------------|-----------------------|-------------------------|---------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 79W00255 00 | 1/21/1980 | 1980 | \$500,000 | \$259,344 | \$0 | \$259,344 |
| 80W01011 00 | 3/12/1981 | 1981 | 1,000,000 | 165,490 | 0 | 165,490 |
| 84W02155 00 | 7/24/1985 | 1985 | 250,000 | 338,930 | 0 | 338,930 |
| 86W01106 00 | 1/1/1987 | 1987 | 1,000,000 | 1,898,004 | 0 | 1,898,004 |
| 97W01559 00 | 6/15/1998 | 1998 | 1,000,000 | 227,348 | 0 | 227,348 |
| 09 1067 | 6/22/2009 | 2009 | 1,200,000 | 153,829 | 0 | 153,829 |
| 81W01260 00 | 2/26/1982 | 1982 | 1,000,000 | 271,986 | 0 | 271,986 |
| 83W01054 00 | 3/4/1984 | 1984 | 250,000 | 255,460 | 0 | 255,460 |
| 84W00621 00 | 12/10/1984 | 1985 | 250,000 | 237,159 | 0 | 237,159 |
| 84W02395 00 | 8/21/1985 | 1985 | 250,000 | 270,075 | 0 | 270,075 |
| 86W01578 00 | 6/1/1987 | 1987 | 1,000,000 | 236,580 | 0 | 236,580 |
| 87W00515 00 | 11/12/1987 | 1988 | 1,000,000 | 185,671 | 0 | 185,671 |
| 87W00612 00 | 12/14/1987 | 1988 | 1,000,000 | 183,595 | 0 | 183,595 |
| 87W02473 00 | 9/13/1988 | 1988 | 1,000,000 | 494,953 | 0 | 494,953 |
| 88W01054 00 | 3/7/1989 | 1989 | 1,000,000 | 226,412 | 0 | 226,412 |
| 90W00381 00 | 11/10/1990 | 1991 | 1,000,000 | 265,554 | 0 | 265,554 |
| 90W02494 00 | 9/9/1991 | 1991 | 1,000,000 | 1,651,819 | 0 | 1,651,819 |
| 91W01044 00 | 3/9/1992 | 1992 | 1,000,000 | 266,010 | 0 | 266,010 |
| 91W02140 00 | 8/3/1992 | 1992 | 1,000,000 | 210,495 | 0 | 210,495 |
| 91W02434 00 | 9/9/1992 | 1992 | 1,000,000 | 323,962 | 0 | 323,962 |
| 94W00735 00 | 1/20/1995 | 1995 | 1,000,000 | 150,330 | 0 | 150,330 |
| 96W00956 00 | 3/18/1997 | 1997 | 1,000,000 | 276,443 | 0 | 276,443 |
| 96W01047 00 | 3/18/1997 | 1997 | 1,000,000 | 165,416 | 0 | 165,416 |
| 96W01421 00 | 5/9/1997 | 1997 | 1,000,000 | 205,414 | 0 | 205,414 |
| 97W00950 00 | 3/10/1998 | 1998 | 1,000,000 | 164,931 | 0 | 164,931 |
| 97W01063 00 | 3/26/1998 | 1998 | 1,000,000 | 400,590 | 0 | 400,590 |
| 00 1309 | 9/14/2000 | 2000 | 1,000,000 | 192,399 | 0 | 192,399 |
| 01 1925 | 11/9/2001 | 2002 | 1,000,000 | 1,413,304 | 0 | 1,413,304 |
| 02 604 | 4/20/2002 | 2002 | 1,000,000 | 205,019 | 0 | 205,019 |
| 02 1338 | 8/12/2002 | 2002 | 1,000,000 | 312,076 | 0 | 312,076 |
| 02 1838 | 10/29/2002 | 2003 | 1,200,000 | 395,873 | 0 | 395,873 |
| 03 272 | 1/7/2003 | 2003 | 1,200,000 | 224,918 | 0 | 224,918 |
| 08 655 | 5/2/2008 | 2008 | 1,200,000 | 151,228 | 0 | 151,228 |
| 09 111 | 1/22/2009 | 2009 | 1,200,000 | 500,507 | 0 | 500,507 |
| 11 1407 | 10/6/2011 | 2012 | 1,200,000 | 222,777 | 0 | 222,777 |
| 1510 00959 | 7/27/2015 | 2015 | 1,500,000 | 196,296 | 0 | 196,296 |
| 82W00789 00 | 1/25/1983 | 1983 | 250,000 | 294,338 | 137,981 | 432,319 |

Notes:

(1) to (6) - Per CITY OF JACKSONVILLE.

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
LIST OF LARGE CLAIMS
INCURRED LOSSES GREATER THAN \$150,000
WORKERS' COMPENSATION - NON-CITY AGENCIES NON-HEART & HYPERTENSION CLAIMS
AS OF MARCH 31, 2018

| CLAIM NUMBER | DATE OF LOSS | ACCIDENT YEAR | SPECIFIC SELF INSURED RETENTION | UNLIMITED PAID LOSSES | UNLIMITED CASE RESERVES | UNLIMITED INCURRED LOSSES |
|--------------|--------------|---------------|---------------------------------|-----------------------|-------------------------|---------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 87W01126 00 | 3/9/1988 | 1988 | 1,000,000 | 1,269,775 | 177,621 | 1,447,396 |
| 88W02535 00 | 8/14/1989 | 1989 | 1,000,000 | 469,463 | 39,882 | 509,345 |
| 91W02354 00 | 8/13/1992 | 1992 | 1,000,000 | 1,004,197 | 462,339 | 1,466,536 |
| 04 1743 | 9/11/2004 | 2004 | 1,200,000 | 65,227 | 171,599 | 236,826 |
| 06 1255 | 7/18/2006 | 2006 | 1,200,000 | 162,649 | 70,980 | 233,629 |
| 1410 00494 | 4/25/2014 | 2014 | 1,250,000 | 641,923 | 233,122 | 875,045 |
| 1410 01197 | 10/4/2014 | 2015 | 1,500,000 | 112,915 | 55,468 | 168,383 |
| 1610 00411 | 4/11/2016 | 2016 | 1,500,000 | 303,635 | 83,656 | 387,291 |
| 1710 00303 | 3/16/2017 | 2017 | 1,500,000 | 327,012 | 204,597 | 531,610 |
| 03 773 | 4/26/2003 | 2003 | 1,200,000 | 145,147 | 57,954 | 203,101 |
| 95W01428 00 | 4/10/1996 | 1996 | 1,000,000 | 723,670 | 0 | 723,670 |
| 95W02237 00 | 8/24/1996 | 1996 | 1,000,000 | 156,760 | 0 | 156,760 |
| 1610 00961 | 8/10/2016 | 2016 | 1,500,000 | 168,264 | 0 | 168,264 |
| 82W00726 00 | 1/19/1983 | 1983 | 250,000 | 166,611 | 0 | 166,611 |
| 82W01731 00 | 6/7/1983 | 1983 | 250,000 | 284,533 | 0 | 284,533 |
| 82W02168 00 | 7/26/1983 | 1983 | 250,000 | 160,434 | 0 | 160,434 |
| 79W01184 00 | 6/20/1980 | 1980 | 500,000 | 260,410 | 36,650 | 297,060 |
| 86W00658 00 | 1/8/1987 | 1987 | 1,000,000 | 1,299,642 | 431,002 | 1,730,644 |
| 78W03249 00 | 11/13/1978 | 1979 | 500,000 | 295,633 | 0 | 295,633 |
| 80W00658 00 | 1/14/1981 | 1981 | 1,000,000 | 329,424 | 0 | 329,424 |
| 80W01988 00 | 8/18/1981 | 1981 | 1,000,000 | 1,157,840 | 0 | 1,157,840 |
| 83W00519 00 | 12/9/1983 | 1984 | 250,000 | 253,364 | 0 | 253,364 |
| 84W01044 00 | 2/11/1985 | 1985 | 250,000 | 227,009 | 0 | 227,009 |
| 85W00486 00 | 12/12/1985 | 1986 | 250,000 | 169,157 | 0 | 169,157 |
| 85W01638 00 | 6/24/1986 | 1986 | 250,000 | 279,346 | 0 | 279,346 |
| 86W01788 00 | 6/25/1987 | 1987 | 1,000,000 | 215,367 | 0 | 215,367 |
| 89W01210 00 | 3/5/1990 | 1990 | 1,000,000 | 293,777 | 0 | 293,777 |
| 91W00705 00 | 3/29/1990 | 1990 | 1,000,000 | 841,039 | 0 | 841,039 |
| 89W01660 00 | 5/24/1990 | 1990 | 1,000,000 | 631,900 | 0 | 631,900 |
| 91W02498 00 | 9/3/1992 | 1992 | 1,000,000 | 270,684 | 0 | 270,684 |
| 92W00473 00 | 12/1/1992 | 1993 | 1,000,000 | 153,344 | 0 | 153,344 |
| 92W02452 00 | 8/21/1993 | 1993 | 1,000,000 | 317,880 | 0 | 317,880 |
| 93W00759 00 | 1/14/1994 | 1994 | 1,000,000 | 246,919 | 0 | 246,919 |
| 93W01312 00 | 2/24/1994 | 1994 | 1,000,000 | 511,180 | 0 | 511,180 |
| 94W01493 00 | 6/2/1995 | 1995 | 1,000,000 | 783,352 | 0 | 783,352 |
| 04 1947 | 9/24/2004 | 2004 | 1,200,000 | 192,199 | 0 | 192,199 |
| 08 146 | 1/22/2008 | 2008 | 1,200,000 | 217,278 | 0 | 217,278 |
| 10 1418 | 9/22/2010 | 2010 | 1,200,000 | 202,610 | 0 | 202,610 |
| 80W01399 00 | 5/19/1981 | 1981 | 1,000,000 | 1,259,385 | 321,041 | 1,580,426 |
| 88W01038 00 | 2/18/1989 | 1989 | 1,000,000 | 217,346 | 36,324 | 253,670 |
| 1310 00573 | 5/14/2013 | 2013 | 1,200,000 | 133,649 | 108,894 | 242,543 |
| 07 1155 | 8/6/2007 | 2007 | 1,200,000 | 82,816 | 174,910 | 257,726 |
| 08 914 | 39608 | 2008 | 1200000 | 99779.1 | 163,300 | 263078.82 |

Notes:

(1) to (6) - Per CITY OF JACKSONVILLE.

*Accident years prior to 2018 are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
LIST OF LARGE CLAIMS
GENERAL LIABILITY
AS OF MARCH 31, 2018

| CLAIM NUMBER | DATE OF LOSS | ACCIDENT YEAR | RETENTION LIMIT | UNLIMITED PAID LOSSES | UNLIMITED CASE RESERVES | UNLIMITED INCURRED LOSSES |
|----------------|--------------|---------------|-----------------|-----------------------|-------------------------|---------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 78L00690 00 | 6/1/1978 | 1978 | \$500,000 | \$155,004 | \$0 | \$155,004 |
| 78L00087 00 | 5/3/1978 | 1978 | 500,000 | 224,378 | 0 | 224,378 |
| 78L00666 00 | 7/11/1979 | 1979 | 500,000 | 810,392 | 0 | 810,392 |
| 80L00373 00 | 11/8/1980 | 1981 | 1,000,000 | 664,843 | 0 | 664,843 |
| 81L00891 00 | 2/23/1982 | 1982 | 1,000,000 | 1,007,169 | 0 | 1,007,169 |
| 82L00560 00 | 7/23/1982 | 1982 | 1,000,000 | 265,239 | 0 | 265,239 |
| 81L01008 00 | 9/14/1982 | 1982 | 1,000,000 | 200,061 | 0 | 200,061 |
| 84L00201 00 | 9/20/1984 | 1984 | 250,000 | 202,676 | 0 | 202,676 |
| 84L00550 00 | 2/3/1985 | 1985 | 250,000 | 182,092 | 0 | 182,092 |
| 84L01145 00 | 6/10/1985 | 1985 | 250,000 | 208,935 | 0 | 208,935 |
| 85L01472 00 | 7/15/1986 | 1986 | 250,000 | 200,007 | 0 | 200,007 |
| 86L01523 00 | 7/14/1987 | 1987 | 1,000,000 | 205,532 | 0 | 205,532 |
| 86L01737 00 | 8/17/1987 | 1987 | 1,000,000 | 203,092 | 0 | 203,092 |
| 87L01869 00 | 9/24/1988 | 1988 | 1,000,000 | 206,711 | 0 | 206,711 |
| 90L00553 00 | 2/2/1991 | 1991 | 1,000,000 | 253,699 | 0 | 253,699 |
| 92L00167 01 | 9/1/1992 | 1992 | 1,000,000 | 560,956 | 0 | 560,956 |
| 93L01554 00 | 5/20/1993 | 1993 | 1,000,000 | 198,902 | 0 | 198,902 |
| 94L00816 00 | 12/19/1994 | 1995 | 1,000,000 | 175,181 | 0 | 175,181 |
| 95L01602 02 | 6/20/1996 | 1996 | 1,000,000 | 191,250 | 0 | 191,250 |
| 96L02041 00 | 6/5/1997 | 1997 | 1,000,000 | 154,217 | 0 | 154,217 |
| 97L01002 00 | 3/13/1998 | 1998 | 1,000,000 | 213,363 | 0 | 213,363 |
| 00 600 | 7/4/1998 | 1998 | 1,000,000 | 426,226 | 0 | 426,226 |
| 97L01648 00 | 7/7/1998 | 1998 | 1,000,000 | 202,411 | 0 | 202,411 |
| 99 843 | 12/16/1998 | 1999 | 1,000,000 | 312,123 | 0 | 312,123 |
| 01 658 | 10/31/1999 | 2000 | 1,000,000 | 170,096 | 0 | 170,096 |
| 00 56 | 10/6/1999 | 2000 | 1,000,000 | 204,545 | 0 | 204,545 |
| 99 1606 | 10/31/1999 | 2000 | 1,000,000 | 497,180 | 0 | 497,180 |
| 01 290 | 5/7/2000 | 2000 | 1,000,000 | 785,571 | 0 | 785,571 |
| 01 1261 | 3/20/2001 | 2001 | 1,000,000 | 434,951 | 0 | 434,951 |
| 00 2105 | 12/15/2000 | 2001 | 1,000,000 | 185,990 | 0 | 185,990 |
| 04 1616 | 4/5/2003 | 2003 | 5,000,000 | 201,884 | 0 | 201,884 |
| 04 2599 | 12/3/2004 | 2005 | 5,000,000 | 453,766 | 0 | 453,766 |
| 05 788 | 2/22/2005 | 2005 | 5,000,000 | 288,894 | 0 | 288,894 |
| 05 2151 | 3/2/2005 | 2005 | 5,000,000 | 215,284 | 0 | 215,284 |
| 06 278 | 3/13/2005 | 2005 | 5,000,000 | 200,089 | 0 | 200,089 |
| 07 152 | 1/27/2007 | 2007 | 5,000,000 | 205,190 | 0 | 205,190 |
| 10 636 | 4/16/2008 | 2008 | 5,000,000 | 187,920 | 0 | 187,920 |
| 09 1420 | 8/10/2009 | 2009 | 5,000,000 | 219,222 | 0 | 219,222 |
| 10 1958 | 11/15/2010 | 2011 | 5,000,000 | 200,000 | 0 | 200,000 |
| 11 953 | 6/27/2011 | 2011 | 5,000,000 | 3,024,215 | 500,000 | 3,524,215 |
| 11 1188 | 8/7/2011 | 2011 | 5,000,000 | 177,311 | 0 | 177,311 |
| 12 583 | 5/9/2012 | 2012 | 5,000,000 | 1,951,089 | 0 | 1,951,089 |
| 1420 00135 | 9/12/2012 | 2012 | 5,000,000 | 152,144 | 0 | 152,144 |
| 13 120 | 1/28/2013 | 2013 | 5,000,000 | 229,923 | 0 | 229,923 |
| 1520 00469 | 6/1/2013 | 2013 | 5,000,000 | 158,475 | 0 | 158,475 |
| 13 1133 | 6/23/2013 | 2013 | 5,000,000 | 151,281 | 0 | 151,281 |
| 1420 00136 | 9/24/2013 | 2013 | 5,000,000 | 161,252 | 0 | 161,252 |
| 1420 01045 | 7/2/2014 | 2014 | 1,500,000 | 200,000 | 0 | 200,000 |
| 1420 00619 | 4/25/2014 | 2014 | 1,500,000 | 162,122 | 0 | 162,122 |
| 1420 00619 001 | 4/25/2014 | 2014 | 1,500,000 | 190,000 | 0 | 190,000 |
| 1520 01748 | 10/18/2014 | 2015 | 1,500,000 | 154,127 | 0 | 154,127 |
| 1520 00715 | 4/23/2015 | 2015 | 1,500,000 | 192,482 | 0 | 192,482 |
| 1520 01289 | 7/23/2015 | 2015 | 1,500,000 | 151,203 | 0 | 151,203 |
| 1720 00752 | 7/1/2015 | 2015 | 1,500,000 | 25 | 199,975 | 200,000 |
| 1520 01742 | 7/21/2015 | 2015 | 1,500,000 | 175,000 | 0 | 175,000 |

Notes:

(1) to (6) - Per CITY OF JACKSONVILLE.

(7) = (5) - (6).

*Accident years are 12-month periods ending 9/30 of the stated year.

CITY OF JACKSONVILLE
SELF-INSURANCE PROGRAM ACTUARIAL REVIEW
LIST OF LARGE CLAIMS
INCURRED LOSSES GREATER THAN \$150,000
AUTOMOBILE LIABILITY
AS OF MARCH 31, 2018

| CLAIM NUMBER | DATE OF LOSS | ACCIDENT YEAR | RETENTION LIMIT | UNLIMITED PAID LOSSES | UNLIMITED CASE RESERVES | UNLIMITED INCURRED LOSSES |
|--------------|--------------|---------------|-----------------|-----------------------|-------------------------|---------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 84L00376 00 | 12/18/1984 | 1985 | \$250,000 | \$216,991 | \$0 | \$216,991 |
| 85L01195 00 | 5/27/1986 | 1986 | \$250,000 | 201,927 | 0 | 201,927 |
| 90L01319 00 | 11/5/1990 | 1991 | \$1,000,000 | 151,016 | 0 | 151,016 |
| 90L01680 00 | 8/9/1991 | 1991 | \$1,000,000 | 229,304 | 0 | 229,304 |
| 95L01206 00 | 1/9/1995 | 1995 | \$1,000,000 | 182,853 | 0 | 182,853 |
| 94L01621 00 | 5/22/1995 | 1995 | \$1,000,000 | 238,455 | 0 | 238,455 |
| 95L00118 00 | 10/12/1995 | 1996 | \$1,000,000 | 210,345 | 0 | 210,345 |
| 01 1332 | 7/24/2001 | 2001 | \$1,000,000 | 165,035 | 0 | 165,035 |
| 02 1637 | 9/19/2002 | 2002 | \$1,000,000 | 156,073 | 0 | 156,073 |
| 04 485 01 | 3/25/2004 | 2004 | \$1,200,000 | 159,628 | 0 | 159,628 |
| 05 1227 | 6/24/2005 | 2005 | \$1,200,000 | 724,029 | 0 | 724,029 |
| 08 2145 | 9/7/2008 | 2008 | \$1,200,000 | 205,455 | 0 | 205,455 |
| 08 2811 | 11/21/2008 | 2009 | \$1,200,000 | 204,748 | 0 | 204,748 |
| 09 81 | 1/14/2009 | 2009 | \$1,200,000 | 204,431 | 0 | 204,431 |
| 12 342 | 3/12/2012 | 2012 | \$1,200,000 | 157,480 | 205,328 | 157,480 |
| 13 628 | 4/25/2013 | 2013 | \$1,200,000 | 155,059 | 0 | 155,059 |
| 1330 01228 | 11/12/2013 | 2014 | \$1,500,000 | 173,676 | 0 | 173,676 |
| 1530 00092 | 1/2/2015 | 2015 | \$1,500,000 | 302,552 | 0 | 302,552 |
| 1530 01591 | 8/30/2015 | 2015 | \$1,500,000 | 180,790 | | 180,790 |

Notes:

(1) to (6) - Per CITY OF JACKSONVILLE.

*Accident years are 12-month periods ending 9/30 of the stated year.