

South Carolina Retirement System (SCRS) Exhibit 1a

Projection based on assumptions recommended by GRS, with a 7.50% investment return assumption

Assumes a -0.39% return for FY 2016 and 7.50% annual returns thereafter

Contribution rate increases after July 1, 2016, will maintain a funding period that does not exceed 30 years

(\$ in millions)

Projected contributions under current law

| July 1 | Maintain a 2.90% difference in employer and member rate | | Change in employer rate | Additional amount from General Fund | Unfunded liability | Funded ratio AVA/AAL | Funding period (years) | Maintain a 9.00% member rate (2.90% difference ends) | | Change in employer rate | Additional amount from General Fund |
|--------|---|--------|-------------------------|-------------------------------------|--------------------|----------------------|------------------------|--|--------|-------------------------|-------------------------------------|
| | Employer | Member | | | | | | Employer | Member | | |
| 2015 | 11.06% | 8.16% | | | \$ 16,783 | 62% | 30 | 11.06% | 8.16% | | |
| 2016 | 11.56% | 8.66% | 0.50% | \$16.7 | 18,174 | 60% | 30 | 11.56% | 8.66% | 0.50% | \$16.7 |
| 2017 | 11.56% | 8.66% | 0.00% | 0.0 | 19,498 | 58% | 30 | 11.56% | 8.66% | 0.00% | 0.0 |
| 2018 | 12.03% | 9.13% | 0.47% | 15.7 | 20,838 | 57% | 30 | 12.13% | 9.00% | 0.57% | 19.2 |
| 2019 | 12.29% | 9.39% | 0.26% | 8.7 | 22,100 | 55% | 30 | 12.60% | 9.00% | 0.47% | 15.6 |
| 2020 | 12.55% | 9.65% | 0.26% | 8.7 | 23,315 | 54% | 30 | 13.07% | 9.00% | 0.47% | 15.6 |
| 2021 | 12.76% | 9.86% | 0.21% | 7.0 | 23,587 | 54% | 28 | 13.45% | 9.00% | 0.38% | 12.6 |
| 2022 | 12.90% | 10.00% | 0.14% | 4.7 | 23,786 | 55% | 27 | 13.70% | 9.00% | 0.25% | 8.4 |
| 2023 | 12.90% | 10.00% | 0.00% | 0.0 | 23,919 | 56% | 26 | 13.70% | 9.00% | 0.00% | 0.0 |
| 2024 | 12.90% | 10.00% | 0.00% | 0.0 | 24,013 | 57% | 25 | 13.70% | 9.00% | 0.00% | 0.0 |
| 2025 | 12.90% | 10.00% | 0.00% | 0.0 | 24,064 | 58% | 24 | 13.70% | 9.00% | 0.00% | 0.0 |
| 2026 | 12.90% | 10.00% | 0.00% | 0.0 | 24,070 | 58% | 23 | 13.70% | 9.00% | 0.00% | 0.0 |

Notes:

To calculate General Fund impact, January 2016 information from the Revenue and Fiscal Affairs Office was used.

Each .50% increase in the employer rate is estimated to increase General Fund requirements by \$16.7 million.

Projection based on the July 1, 2015, census and asset information, using the actuarial assumptions recommended by GRS, with a 7.50% discount rate. The projection assumes the market value of assets will earn 7.50% each year after FY 2016. This information is provided for stakeholders to understand the financial impact based on the illustrated assumptions and emerging investment experience for decision making purposes. This projection is not documentation of compliance with the 30-year funding requirement specified in Section 9-1-1085 of South Carolina State Code because it assumes the Retirement System will incur investment losses in the actuarial value of assets in subsequent actuarial valuations.

South Carolina Retirement System (SCRS) Exhibit 2a

Projection with a 7.25% investment return assumption for all years
Assumes a -0.39% return for FY 2016 and 7.25% annual returns thereafter

Contribution rate increases after July 1, 2016, based on funding policy to increase the contribution rates in an orderly manner to attain a 20-year funding period
(\$ in millions)

| July 1 | Maintain a 9.00% member rate (2.90 difference ends) | | Change in employer rate | Additional amount from General Fund | Unfunded liability | Funded ratio AVA/AAL | Funding period (years) |
|--------|---|--------|-------------------------|-------------------------------------|--------------------|----------------------|------------------------|
| | Employer | Member | | | | | |
| 2015 | 11.06% | 8.16% | | | \$ 16,783 | 62% | 30 |
| 2016 | 11.56% | 8.66% | 0.50% | \$16.7 | 19,402 | 59% | 27 |
| 2017 | 12.56% | 9.00% | 1.00% | 33.4 | 20,806 | 57% | 25 |
| 2018 | 13.56% | 9.00% | 1.00% | 33.4 | 22,093 | 55% | 24 |
| 2019 | 14.56% | 9.00% | 1.00% | 33.4 | 23,282 | 54% | 22 |
| 2020 | 15.56% | 9.00% | 1.00% | 33.4 | 24,355 | 53% | 22 |
| 2021 | 16.56% | 9.00% | 1.00% | 33.4 | 24,407 | 54% | 21 |
| 2022 | 16.56% | 9.00% | 0.00% | 0.0 | 24,287 | 55% | 20 |
| 2023 | 16.56% | 9.00% | 0.00% | 0.0 | 24,100 | 57% | 19 |
| 2024 | 16.56% | 9.00% | 0.00% | 0.0 | 23,841 | 58% | 18 |
| 2025 | 16.56% | 9.00% | 0.00% | 0.0 | 23,503 | 60% | 17 |
| 2026 | 16.56% | 9.00% | 0.00% | 0.0 | 23,081 | 61% | 15 |

Notes:

To calculate General Fund impact, January 2016 information from the Revenue and Fiscal Affairs Office was used.

Each .50% increase in the employer rate is estimated to increase General Fund requirements by \$16.7 million.

Projection based on the July 1, 2015, census and asset information, using the actuarial assumptions recommended by GRS. This information is provided for stakeholders to understand the financial impact based on the illustrated assumptions and emerging investment experience for decision making purposes. This projection is not documentation of compliance with the 30-year funding requirement specified in Section 9-1-1085 of South Carolina State Code because it assumes the Retirement System will incur investment losses in the actuarial value of assets in subsequent actuarial valuations.

South Carolina Retirement System (SCRS) Exhibit 2b

Projection with a 7.25% investment return assumption 2016 through 2018, 7.00% return assumption in 2019 and thereafter

Assumes a -0.39% return for FY 2016 and 4.00% annual returns for FY 2017-2021 and 7.00% returns thereafter

Contribution rate increases after July 1, 2016, based on funding policy to increase the contribution rates in an orderly manner to attain a 20-year funding period
(\$ in millions)

| July 1 | Maintain a 9.00% member rate (2.90% difference ends) | | Change in employer rate | Additional amount from General Fund | Unfunded liability | Funded ratio AVA/AAL | Funding period (years) |
|--------|--|--------|-------------------------|-------------------------------------|--------------------|----------------------|------------------------|
| | Employer | Member | | | | | |
| 2015 | 11.06% | 8.16% | | | \$ 16,783 | 62% | 30 |
| 2016 | 11.56% | 8.66% | 0.50% | \$ 16.7 | 19,402 | 59% | 27 |
| 2017 | 12.56% | 9.00% | 1.00% | 33.4 | 20,959 | 56% | 25 |
| 2018 | 13.56% | 9.00% | 1.00% | 33.4 | 22,605 | 54% | 25 |
| 2019 | 14.56% | 9.00% | 1.00% | 33.4 | 24,364 | 52% | 24 |
| 2020 | 15.56% | 9.00% | 1.00% | 33.4 | 26,224 | 49% | 23 |
| 2021 | 16.56% | 9.00% | 1.00% | 33.4 | 27,285 | 49% | 21 |
| 2022 | 17.56% | 9.00% | 1.00% | 33.4 | 28,095 | 48% | 21 |
| 2023 | 18.56% | 9.00% | 1.00% | 33.4 | 28,584 | 49% | 20 |
| 2024 | 18.56% | 9.00% | 0.00% | 0.0 | 28,733 | 49% | 19 |
| 2025 | 18.56% | 9.00% | 0.00% | 0.0 | 28,650 | 51% | 18 |
| 2026 | 18.56% | 9.00% | 0.00% | 0.0 | 28,330 | 52% | 17 |

Notes:

To calculate General Fund impact, January 2016 information from the Revenue and Fiscal Affairs Office was used.

Each .50% increase in the employer rate is estimated to increase General Fund requirements by \$16.7 million.

Projection based on the July 1, 2015, census and asset information, using the actuarial assumptions recommended by GRS. This information is provided for stakeholders to understand the financial impact based on the illustrated assumptions and emerging investment experience for decision making purposes. This projection is not documentation of compliance with the 30-year funding requirement specified in Section 9-1-1085 of South Carolina State Code because it assumes the Retirement System will incur investment losses in the actuarial value of assets in subsequent actuarial valuations.

South Carolina Retirement System (SCRS) Exhibit 3a

Projection with a 7.25% investment return assumption for 2016 through 2018, 7.00% return assumption in 2019 and thereafter

Assumes a -0.39% return for FY 2016 and 7.25% annual return through FY 2018 and 7.00% returns thereafter

Contribution rate increases after July 1, 2016, based on funding policy to increase the contribution rates in an orderly manner to attain a 20-year funding period
(\$ in millions)

| July 1 | Maintain a 9.00% member rate (2.90 difference ends) | | Change in employer rate | Additional amount from General Fund | Unfunded liability | Funded ratio AVA/AAL | Funding period (years) |
|--------|---|--------|-------------------------|-------------------------------------|--------------------|----------------------|------------------------|
| | Employer | Member | | | | | |
| 2015 | 11.06% | 8.16% | | | \$ 16,783 | 62% | 30 |
| 2016 | 11.56% | 8.66% | 0.50% | \$16.7 | 19,402 | 59% | 22 |
| 2017 | 14.25% | 9.00% | 2.69% | 89.8 | 20,806 | 57% | 20 |
| 2018 | 15.25% | 9.00% | 1.00% | 33.4 | 21,910 | 56% | 19 |
| 2019 | 16.25% | 9.00% | 1.00% | 33.4 | 24,313 | 53% | 22 |
| 2020 | 17.25% | 9.00% | 1.00% | 33.4 | 25,244 | 53% | 22 |
| 2021 | 17.25% | 9.00% | 0.00% | 33.4 | 25,139 | 54% | 21 |
| 2022 | 17.25% | 9.00% | 0.00% | 33.4 | 24,969 | 55% | 20 |
| 2023 | 17.25% | 9.00% | 0.00% | 33.4 | 24,728 | 57% | 18 |
| 2024 | 17.25% | 9.00% | 0.00% | 0.0 | 24,425 | 58% | 17 |
| 2025 | 17.25% | 9.00% | 0.00% | 0.0 | 24,039 | 60% | 16 |
| 2026 | 17.25% | 9.00% | 0.00% | 0.0 | 23,565 | 61% | 15 |

Notes:

To calculate General Fund impact, January 2016 information from the Revenue and Fiscal Affairs Office was used.

Each .50% increase in the employer rate is estimated to increase General Fund requirements by \$16.7 million.

Projection based on the July 1, 2015, census and asset information, using the actuarial assumptions recommended by GRS. This information is provided for stakeholders to understand the financial impact based on the illustrated assumptions and emerging investment experience for decision making purposes. This projection is not documentation of compliance with the 30-year funding requirement specified in Section 9-1-1085 of South Carolina State Code because it assumes the Retirement System will incur investment losses in the actuarial value of assets in subsequent actuarial valuations.

South Carolina Retirement System (SCRS) Exhibit 3b

Projection with a 7.25% investment return assumption 2016 through 2018, 7.00% return assumption in 2019 and thereafter

Assumes a -0.39% return for FY 2016 and 4.00% annual returns for FY 2017-2021, and 7.00% returns thereafter

Contribution rate increases after July 1, 2016, based on funding policy to increase the contribution rates in an orderly manner to attain a 20-year funding period
(\$ in millions)

| July 1 | Maintain a 9.00% member rate (2.90% difference ends) | | Change in employer rate | Additional amount from General Fund | Unfunded liability | Funded ratio AVA/AAL | Funding period (years) |
|--------|--|--------|-------------------------|-------------------------------------|--------------------|----------------------|------------------------|
| | Employer | Member | | | | | |
| 2015 | 11.06% | 8.16% | | | \$ 16,783 | 62% | 30 |
| 2016 | 11.56% | 8.66% | 0.50% | \$ 16.7 | 19,402 | 59% | 22 |
| 2017 | 14.25% | 9.00% | 2.69% | 89.8 | 20,959 | 56% | 21 |
| 2018 | 15.25% | 9.00% | 1.00% | 33.4 | 22,422 | 54% | 20 |
| 2019 | 16.25% | 9.00% | 1.00% | 33.4 | 25,396 | 51% | 21 |
| 2020 | 17.25% | 9.00% | 1.00% | 33.4 | 27,102 | 49% | 20 |
| 2021 | 18.25% | 9.00% | 1.00% | 33.4 | 27,981 | 49% | 19 |
| 2022 | 19.25% | 9.00% | 1.00% | 33.4 | 28,589 | 49% | 19 |
| 2023 | 20.25% | 9.00% | 1.00% | 33.4 | 28,859 | 49% | 18 |
| 2024 | 20.25% | 9.00% | 0.00% | 0.0 | 28,779 | 51% | 17 |
| 2025 | 20.25% | 9.00% | 0.00% | 0.0 | 28,458 | 52% | 16 |
| 2026 | 20.25% | 9.00% | 0.00% | 0.0 | 27,886 | 54% | 15 |

Notes:

To calculate General Fund impact, January 2016 information from the Revenue and Fiscal Affairs Office was used.

Each .50% increase in the employer rate is estimated to increase General Fund requirements by \$16.7 million.

Projection based on the July 1, 2015, census and asset information, using the actuarial assumptions recommended by GRS. This information is provided for stakeholders to understand the financial impact based on the illustrated assumptions and emerging investment experience for decision making purposes. This projection is not documentation of compliance with the 30-year funding requirement specified in Section 9-1-1085 of South Carolina State Code because it assumes the Retirement System will incur investment losses in the actuarial value of assets in subsequent actuarial valuations.

Police Officers Retirement System (PORS) Exhibit 1

Projection based on assumptions recommended by GRS, with a 7.50% investment return assumption

Assumes a -0.39% return for FY 2016 and 7.50% annual returns thereafter

Contribution rate increases after July 1, 2016, will maintain a funding period that does not exceed 30 years

(\$ in millions)

Projected contributions under current law

| July 1 | Maintain a 5.00% difference in employer and member rate | | Change in employer rate | Additional amount from General Fund | Unfunded liability | Funded ratio AVA/AAL | Funding period (years) | Maintain a 9.75% member rate (5.00% difference ends) | | Change in employer rate | Additional amount from General Fund |
|--------|---|--------|-------------------------|-------------------------------------|--------------------|----------------------|------------------------|--|--------|-------------------------|-------------------------------------|
| | Employer | Member | | | | | | Employer | Member | | |
| 2015 | 13.74% | 8.74% | | | \$ 1,895 | 69% | 27 | 13.74% | 8.74% | | |
| 2016 | 14.24% | 9.24% | 0.50% | \$1.6 | 2,093 | 68% | 30 | 14.24% | 9.24% | 0.50% | \$ 1.6 |
| 2017 | 14.24% | 9.24% | 0.00% | 0.0 | 2,276 | 66% | 30 | 14.24% | 9.24% | 0.00% | 0.0 |
| 2018 | 14.32% | 9.32% | 0.08% | 0.3 | 2,459 | 65% | 30 | 14.32% | 9.32% | 0.08% | 0.3 |
| 2019 | 14.58% | 9.58% | 0.26% | 0.9 | 2,641 | 64% | 30 | 14.58% | 9.58% | 0.26% | 0.9 |
| 2020 | 14.80% | 9.80% | 0.22% | 0.7 | 2,815 | 63% | 30 | 14.84% | 9.75% | 0.26% | 0.9 |
| 2021 | 15.01% | 10.01% | 0.21% | 0.7 | 2,857 | 64% | 29 | 15.22% | 9.75% | 0.38% | 1.2 |
| 2022 | 15.19% | 10.19% | 0.18% | 0.6 | 2,890 | 65% | 27 | 15.54% | 9.75% | 0.32% | 1.1 |
| 2023 | 15.19% | 10.19% | 0.00% | 0.0 | 2,915 | 66% | 26 | 15.54% | 9.75% | 0.00% | 0.0 |
| 2024 | 15.19% | 10.19% | 0.00% | 0.0 | 2,935 | 67% | 25 | 15.54% | 9.75% | 0.00% | 0.0 |
| 2025 | 15.19% | 10.19% | 0.00% | 0.0 | 2,948 | 68% | 23 | 15.54% | 9.75% | 0.00% | 0.0 |
| 2026 | 15.19% | 10.19% | 0.00% | 0.0 | 2,956 | 69% | 22 | 15.54% | 9.75% | 0.00% | 0.0 |

Notes:

To calculate General Fund impact, January 2016 information from the Revenue and Fiscal Affairs Office was used.

Each .50% increase in the employer rate is estimated to increase General Fund requirements by \$1.6 million.

Projection based on the July 1, 2015, census and asset information, using the actuarial assumptions recommended by GRS, with a 7.50% discount rate. The projection assumes the market value of assets will earn 7.50% each year after FY 2016. This information is provided for stakeholders to understand the financial impact based on the illustrated assumptions and emerging investment experience for decision making purposes. This projection is not documentation of compliance with the 30-year funding requirement specified in Section 9-1-1085 of South Carolina State Code because it assumes the Retirement System will incur investment losses in the actuarial value of assets in subsequent actuarial valuations. The employer and member contribution rates under the alternative funding policy are based on the recently discussed analysis showing that due to the member refund feature that there is approximately a 20% greater efficiency in employer contributions than member contributions.

Police Officers Retirement System (PORS) Exhibit 2a

Projection with a 7.25% investment return assumption for all years

Assumes a -0.39% return for FY 2016 and 7.25% annual returns thereafter

Contribution rate increases after July 1, 2016, based on funding policy to increase the contribution rates in an orderly manner to attain a 20-year funding period
(\$ in millions)

| July 1 | Maintain a 9.75% member rate (5.00 difference ends) | | Change in employer rate | Additional amount from General Fund | Unfunded liability | Funded ratio AVA/AAL | Funding period (years) |
|--------|---|--------|-------------------------|-------------------------------------|--------------------|----------------------|------------------------|
| | Employer | Member | | | | | |
| 2015 | 13.74% | 8.74% | | | \$ 1,895 | 69% | 27 |
| 2016 | 14.24% | 9.24% | 0.50% | \$1.6 | 2,289 | 66% | 25 |
| 2017 | 15.24% | 9.75% | 1.00% | 3.3 | 2,488 | 64% | 23 |
| 2018 | 16.24% | 9.75% | 1.00% | 3.3 | 2,669 | 63% | 22 |
| 2019 | 17.24% | 9.75% | 1.00% | 3.3 | 2,835 | 62% | 23 |
| 2020 | 18.24% | 9.75% | 1.00% | 3.3 | 2,987 | 62% | 24 |
| 2021 | 18.24% | 9.75% | 0.00% | 0.0 | 2,995 | 63% | 23 |
| 2022 | 18.24% | 9.75% | 0.00% | 0.0 | 2,997 | 64% | 21 |
| 2023 | 18.24% | 9.75% | 0.00% | 0.0 | 2,993 | 66% | 20 |
| 2024 | 18.24% | 9.75% | 0.00% | 0.0 | 2,980 | 67% | 19 |
| 2025 | 18.24% | 9.75% | 0.00% | 0.0 | 2,959 | 68% | 18 |
| 2026 | 18.24% | 9.75% | 0.00% | 0.0 | 2,927 | 70% | 17 |

Notes:

To calculate General Fund impact, January 2016 information from the Revenue and Fiscal Affairs Office was used.

Each .50% increase in the employer rate is estimated to increase General Fund requirements by \$1.6 million.

Projection based on the July 1, 2015, census and asset information, using the actuarial assumptions recommended by GRS. This information is provided for stakeholders to understand the financial impact based on the illustrated assumptions and emerging investment experience for decision making purposes. This projection is not documentation of compliance with the 30-year funding requirement specified in Section 9-1-1085 of South Carolina State Code because it assumes the Retirement System will incur investment losses in the actuarial value of assets in subsequent actuarial valuations.

Police Officers Retirement System (PORS) Exhibit 2b

Projection with a 7.25% investment return assumption 2016 through 2018, 7.00% return assumption in 2019 and thereafter

Assumes a -0.39% return for FY 2016 and 4.00% annual returns for FY 2017-2021 and 7.00% returns thereafter

Contribution rate increases after July 1, 2016, based on funding policy to increase the contribution rates in an orderly manner to attain a 20-year funding period
(\$ in millions)

| July 1 | Maintain a 9.75% member rate (5.00% difference ends) | | Change in employer rate | Additional amount from General Fund | Unfunded liability | Funded ratio AVA/AAL | Funding period (years) |
|--------|--|--------|-------------------------|-------------------------------------|--------------------|----------------------|------------------------|
| | Employer | Member | | | | | |
| 2015 | 13.74% | 8.74% | | | \$ 1,895 | 69% | 27 |
| 2016 | 14.24% | 9.24% | 0.50% | \$ 1.6 | 2,289 | 66% | 25 |
| 2017 | 15.24% | 9.75% | 1.00% | 3.3 | 2,513 | 64% | 25 |
| 2018 | 16.24% | 9.75% | 1.00% | 3.3 | 2,753 | 62% | 23 |
| 2019 | 17.24% | 9.75% | 1.00% | 3.3 | 3,015 | 60% | 23 |
| 2020 | 18.24% | 9.75% | 1.00% | 3.3 | 3,300 | 58% | 23 |
| 2021 | 19.24% | 9.75% | 1.00% | 3.3 | 3,480 | 57% | 24 |
| 2022 | 20.24% | 9.75% | 1.00% | 3.3 | 3,628 | 57% | 24 |
| 2023 | 20.24% | 9.75% | 0.00% | 0.0 | 3,731 | 57% | 24 |
| 2024 | 20.24% | 9.75% | 0.00% | 0.0 | 3,801 | 58% | 23 |
| 2025 | 20.24% | 9.75% | 0.00% | 0.0 | 3,836 | 59% | 22 |
| 2026 | 20.24% | 9.75% | 0.00% | 0.0 | 3,836 | 60% | 21 |

Notes:

To calculate General Fund impact, January 2016 information from the Revenue and Fiscal Affairs Office was used.

Each .50% increase in the employer rate is estimated to increase General Fund requirements by \$1.6 million.

Projection based on the July 1, 2015, census and asset information, using the actuarial assumptions recommended by GRS. This information is provided for stakeholders to understand the financial impact based on the illustrated assumptions and emerging investment experience for decision making purposes. This projection is not documentation of compliance with the 30-year funding requirement specified in Section 9-1-1085 of South Carolina State Code because it assumes the Retirement System will incur investment losses in the actuarial value of assets in subsequent actuarial valuations.

Police Officers Retirement System (PORS) Exhibit 3a

Projection with a 7.25% investment return assumption for 2016 through 2018, 7.00% return assumption in 2019 and thereafter

Assumes a -0.39% return for FY 2016 and 7.25% annual return through FY 2018 and 7.00% returns thereafter

Contribution rate increases after July 1, 2016, based on funding policy to increase the contribution rates in an orderly manner to attain a 20-year funding period
(\$ in millions)

| July 1 | Maintain a 9.75% member rate (5.00 difference ends) | | Change in employer rate | Additional amount from General Fund | Unfunded liability | Funded ratio AVA/AAL | Funding period (years) |
|--------|---|--------|-------------------------|-------------------------------------|--------------------|----------------------|------------------------|
| | Employer | Member | | | | | |
| 2015 | 13.74% | 8.74% | | | \$ 1,895 | 69% | 27 |
| 2016 | 14.24% | 9.24% | 0.50% | \$1.6 | 2,289 | 66% | 21 |
| 2017 | 16.75% | 9.75% | 2.51% | 8.3 | 2,488 | 64% | 20 |
| 2018 | 17.75% | 9.75% | 1.00% | 3.3 | 2,649 | 63% | 18 |
| 2019 | 18.75% | 9.75% | 1.00% | 3.3 | 3,031 | 61% | 21 |
| 2020 | 19.75% | 9.75% | 1.00% | 3.3 | 3,177 | 60% | 22 |
| 2021 | 20.75% | 9.75% | 1.00% | 3.3 | 3,180 | 62% | 20 |
| 2022 | 20.75% | 9.75% | 0.00% | 0.0 | 3,162 | 63% | 19 |
| 2023 | 20.75% | 9.75% | 0.00% | 0.0 | 3,164 | 65% | 18 |
| 2024 | 20.75% | 9.75% | 0.00% | 0.0 | 3,096 | 67% | 17 |
| 2025 | 20.75% | 9.75% | 0.00% | 0.0 | 3,046 | 68% | 15 |
| 2026 | 20.75% | 9.75% | 0.00% | 0.0 | 2,983 | 70% | 14 |

Notes:

To calculate General Fund impact, January 2016 information from the Revenue and Fiscal Affairs Office was used.

Each .50% increase in the employer rate is estimated to increase General Fund requirements by \$1.6 million.

Projection based on the July 1, 2015, census and asset information, using the actuarial assumptions recommended by GRS. This information is provided for stakeholders to understand the financial impact based on the illustrated assumptions and emerging investment experience for decision making purposes. This projection is not documentation of compliance with the 30-year funding requirement specified in Section 9-1-1085 of South Carolina State Code because it assumes the Retirement System will incur investment losses in the actuarial value of assets in subsequent actuarial valuations.

Police Officers Retirement System (PORS) Exhibit 3b

Projection with a 7.25% investment return assumption 2016 through 2018, 7.00% return assumption in 2019 and thereafter

Assumes a -0.39% return for FY 2016 and 4.00% annual returns for FY 2017-2021, and 7.00% returns thereafter

Contribution rate increases after July 1, 2016, based on funding policy to increase the contribution rates in an orderly manner to attain a 20-year funding period
(\$ in millions)

| July 1 | Maintain a 9.75% member rate (5.00% difference ends) | | Change in employer rate | Additional amount from General Fund | Unfunded liability | Funded ratio AVA/AAL | Funding period (years) |
|--------|--|--------|-------------------------|-------------------------------------|--------------------|----------------------|------------------------|
| | Employer | Member | | | | | |
| 2015 | 13.74% | 8.74% | | | \$ 1,895 | 69% | 27 |
| 2016 | 14.24% | 9.24% | 0.50% | \$ 1.6 | 2,289 | 66% | 21 |
| 2017 | 16.75% | 9.75% | 2.51% | 8.3 | 2,513 | 64% | 19 |
| 2018 | 17.75% | 9.75% | 1.00% | 3.3 | 2,733 | 62% | 20 |
| 2019 | 18.75% | 9.75% | 1.00% | 3.3 | 3,209 | 59% | 23 |
| 2020 | 19.75% | 9.75% | 1.00% | 3.3 | 3,483 | 57% | 23 |
| 2021 | 20.75% | 9.75% | 1.00% | 3.3 | 3,650 | 56% | 21 |
| 2022 | 21.75% | 9.75% | 1.00% | 3.3 | 3,782 | 56% | 22 |
| 2023 | 22.75% | 9.75% | 1.00% | 3.3 | 3,869 | 57% | 21 |
| 2024 | 22.75% | 9.75% | 0.00% | 0.0 | 3,907 | 58% | 20 |
| 2025 | 22.75% | 9.75% | 0.00% | 0.0 | 3,909 | 59% | 19 |
| 2026 | 22.75% | 9.75% | 0.00% | 0.0 | 3,874 | 60% | 18 |

Notes:

To calculate General Fund impact, January 2016 information from the Revenue and Fiscal Affairs Office was used.

Each .50% increase in the employer rate is estimated to increase General Fund requirements by \$1.6 million.

Projection based on the July 1, 2015, census and asset information, using the actuarial assumptions recommended by GRS. This information is provided for stakeholders to understand the financial impact based on the illustrated assumptions and emerging investment experience for decision making purposes. This projection is not documentation of compliance with the 30-year funding requirement specified in Section 9-1-1085 of South Carolina State Code because it assumes the Retirement System will incur investment losses in the actuarial value of assets in subsequent actuarial valuations.