## APPENDIX

## LISTING AND BRIEF DESCRIPTION OF TABLES IN THE APPENDIX

Basic Assumptions Used for Retirement Tables [Appendix page iv]. This section describes the plan design and provides the demographic assumptions used in the retirement tables that follow in the Appendix. It also describes some underlying principles used in the tables.

Summary Payout Table [Appendix page vi]. This table shows the payouts from the Cliff Retirement Table and Tables A-1, A-2, B-1, B-2, and B-3.

Summary Present Value Table [Appendix page vii]. This table compares the actuarial value at age 70 of the benefits received before age 70 and the lifetime benefits payable after age 70 for the payouts in the Cliff Retirement Table and Tables A-1, A-2, B-1, B-2, and B-3.

Cliff Retirement Table [Appendix page viii]. This table shows benefits under a typical cliff retirement pattern for a participant who works full-time until age 70 and then retires.

Table A-1 [Appendix page ix]. This table shows the impact of phased retirement on a participant in a plan that averages compensation in the last five years of employment with no protection for those who do not work a fulltime schedule. The participant in this example works 50 percent of a full-time schedule beginning at age 60 and fully retires at age 70 . No retirement benefits are received during phased retirement.

Table A-2 [Appendix page $x$ ]. This table shows the impact of phased retirement on a participant in a plan that averages compensation in the last five years of employment and in which compensation is annualized during phased retirement and a partial year of benefit service is earned. The participant in this example works 50 percent of a full-time schedule beginning at age 60 and fully retires at age 70 . No retirement benefits are received during phased retirement.

Table B-1 [Appendix page xiii]. This table shows the impact of phased retirement on a participant in a plan that averages compensation in the last five years of employment and in which compensation is annualized during phased retirement and a partial year of benefit service is earned. The participant in this example works 50 percent of a full-time schedule beginning
at age 60 and fully retires at age 70. The participant receives 50 percent of the age 60 accrued benefit during phased retirement. Early retirement and deferred retirement benefits are actuarially adjusted. The offset for in-service benefits received is limited to 50 percent of the accrued benefit because the participant is receiving only 50 percent of the age 60 accrued benefit during phased retirement.

Table B-2 [Appendix page xiv]. This table shows the impact of phased retirement on a participant in a plan that averages compensation in the last five years of employment and in which compensation is annualized during phased retirement and a partial year of benefit service is earned. The participant in this example works 50 percent of a full-time schedule beginning at age 60 and fully retires at age 70. The participant receives 100 percent of the age 65 (normal retirement age) accrued benefit during phased retirement beginning at age 65. Early retirement and deferred retirement benefits are actuarially adjusted. The offset for in-service benefits received is applied to the full accrued benefit because the participant is receiving 100 percent of the age 65 accrued benefit.

Table B-3 [Appendix page xvi]. This table shows the impact of phased retirement on a participant in a plan that averages compensation in the last five years of employment and in which compensation is annualized during phased retirement and a partial year of benefit service is earned. The participant in this example works 50 percent of a full-time schedule beginning at age 60 and fully retires at age 70. The participant receives 50 percent of the age 65 (normal retirement age) accrued benefit during phased retirement beginning at age 65 . Early retirement and deferred retirement benefits are actuarially adjusted. The offset for in-service benefits received is limited to 50 percent of the accrued benefit because the participant is receiving only 50 percent of the age 65 accrued benefit during phased retirement.

Table C [Appendix page $\mathbf{x x}$ ]. This table compares the following definitions of final average compensation:
o Decreasing Final Average Pay: Final average pay is the average of the last five compensation amounts and final average pay decreases during phased retirement.
o Non-Decreasing Final Average Pay: Final average pay is the average of the last five compensation amounts but not less than any prior final average pay. Unlike Decreasing Final Average Pay above, final average pay remains level during phased retirement.
o Average With Phased Years Annualized: Compensation during phased retirement is annualized. Final average pay is the average of the last five compensation amounts using annualized compensation during phased retirement.
o Average Using Partial Years to Divide: A partial year is used in the divisor during phased retirement years and compensation is not annualized. Final average compensation averages the last five compensation amounts and divides it by the sum of the portions of a full-time schedule worked in those five years. For example, after two years of working 50 percent of a full-time schedule, the divisor would be four: one for each of the three years in which the participant worked full-time and $1 / 2$ for each of the two years the participant worked 50 percent of a full-time schedule.

## BASIC ASSUMPTIONS USED FOR RETIREMENT TABLES

## Underlying principles used in tables:

- Under current law, final average pay can decrease in a plan that uses the high $x$ of the last $y$ if the participant takes phased retirement and receives reduced pay for more than $y-x$ years.
- Before normal retirement, the accrued benefit can decrease as a result of decreasing pay.
- The accrued benefit payable (after early retirement reduction) cannot decrease as a result of decreasing pay.
- Benefits are payable annually at the beginning of the year.


## Plan provisions used in tables:

## Benefit Formula:

$1 \% \times$ Final Average Pay $\times$ Credited Service [No service cap]

## Normal Payment Method:

Single life annuity payable annually
Final Average Pay (FAP):
Average of the five prior compensation amounts. At age 60, final average pay is the average of the compensation amounts from age 55 through age 59.
Retirement Ages:
Normal retirement: age 65
Early retirement: age 55 with 10 years of service

## Early Retirement Reduction and Late Retirement Increase:

Actuarial adjustment using 6.15 percent interest and GATT mortality (blended GAM-83)

## Participant information assumed in table:

Hire Age: $\quad 25^{45}$<br>Salary at Hire: $\$ 25,000$<br>Annual Salary Increase: 4\%<br>Retirement Age: See individual examples

## Summary Payout Table

| Comparison of Benefit Payments |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Age | Cliff <br> Retirement | A-1 | A-2 | B-1 | B-2 | B-3 | Age |
| 60 | - | - | - | \$ 9,842 | - | - | 60 |
| 61 | - | - | - | 9,842 | - | - | 61 |
| 62 | - | - | - | 9,842 | - | - | 62 |
| 63 | - | - | - | 9,842 | - | - | 63 |
| 64 | - | - | - | 9,842 | - | - | 64 |
| 65 | - | - | - | 9,842 | \$40,076 | \$20,038 | 65 |
| 66 | - | - | - | 9,842 | 40,076 | 20,038 | 66 |
| 67 | - | - | - | 9,842 | 40,076 | 20,038 | 67 |
| 68 | - | - | - | 9,842 | 40,076 | 20,038 | 68 |
| 69 | - | - | - | 9,842 | 40,076 | 20,038 | 69 |
| 70+ | \$70,763 | \$35,383 | \$66,342 | 50,737 | 40,076 | 53,209 | 70+ |

## Summary Present Value Table

| Comparison of Actuarial Value of Benefits at Age 70 |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cliff <br> Retirement | A-1 | A-2 | B-1 | B-2 | B-3 |

## Cliff Retirement Table

## No Phased Retirement

| Age | Salary | Final <br> Average Pay | Benefit From <br> Formula | Accd Ben Adj for <br> Early or Late Ret | Accrued Benefit <br> Payable $^{46}$ | Benefit <br> Received | Age |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 60 | $\$ 98,653$ | $\$ 87,838$ | $\$ 30,743$ | $\$ 19,684$ | $\$ 19,684$ | - | 60 |
| 61 | 102,599 | 91,351 | 32,886 | 22,934 | 22,934 | - | 61 |
| 62 | 106,703 | 95,005 | 35,152 | 26,748 | 26,748 | - | 62 |
| 63 | 110,971 | 98,805 | 37,546 | 31,230 | 31,230 | - | 63 |
| 64 | 115,410 | 102,757 | 40,075 | 36,510 | 36,510 | - | 64 |
| 65 | 120,026 | 106,867 | 42,747 | 42,747 | 42,747 | - | -25 |
| 66 | 124,827 | 111,142 | 45,568 | 47,029 | 47,029 | - | - |
| 67 | 129,820 | 115,587 | 48,547 | 51,869 | 51,869 | - | 67 |
| 68 | 135,013 | 120,211 | 51,691 | 57,360 | 57,360 | - | 68 |
| 69 | 140,414 | 125,019 | 55,008 | 63,612 | 63,612 | - | 69 |
| $70+$ | - | 130,020 | 58,509 | 70,763 | 70,763 | $\$ 70,763$ | $70+$ |

Table A-1

## Benefits Payable Only After 100\% Retirement

Decreasing Final Average Pay
Full Year of Service Earned During Phased Retirement

| Age | Salary | Final <br> Average <br> Pay | Benefit <br> From <br> Formula | Adjusted <br> Accrued <br> Benefit | Accrued <br> Benefit <br> Payable | Benefit <br> Received | Age |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 60 | $\$ 49,327$ | $\$ 87,838$ | $\$ 30,743$ | $\$ 19,684$ | $\$ 19,684$ | - | 60 |
| 61 | 51,300 | 81,486 | 29,335 | 20,458 | 20,458 | - | 61 |
| 62 | 53,352 | 74,880 | 27,706 | 21,082 | 21,082 | - | 62 |
| 63 | 55,486 | 68,010 | 25,844 | 21,496 | 21,496 | - | 63 |
| 64 | 57,705 | 60,865 | 23,737 | 21,625 | 21,625 | - | 64 |
| 65 | 60,013 | 53,434 | 21,374 | 21,374 | 21,625 | - | 65 |
| 66 | 62,414 | 55,571 | 22,784 | 23,515 | 23,515 | - | 66 |
| 67 | 64,911 | 57,794 | 24,273 | 25,935 | 25,935 | - | 67 |
| 68 | 67,507 | 60,160 | 25,845 | 28,680 | 28,680 | - | 68 |
| 69 | 70,207 | 62,510 | 27,504 | 31,807 | 31,807 | - | 69 |
| $70+$ | - | 65,010 | 29,255 | 35,383 | 35,383 | $\$ 35,383$ | $70+$ |

Note: Documentation for this table follows Table A-2.

Table A-2

## Benefits Payable Only After 100\% Retirement

## Final Average Pay Based on Annualized Pay During Phased Retirement

Partial Year of Service Earned During Phased Retirement

| Age | Salary | Portion of <br> Year <br> Worked | Annualized <br> Salary | Final <br> Average <br> Pay | Credited <br> Service @ <br> Beginning <br> of Year | Benefit <br> From <br> Formula | Adjusted <br> Accrued <br> Benefit | Accrued <br> Benefit <br> Payable | Benefit <br> Received | Age <br> 60 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\$ 49,327$ | 0.5 | $\$ 98,654$ | $\$ 87,838$ | 35.0 | $\$ 30,743$ | $\$ 19,684$ | $\$ 19,684$ | - | 60 |  |
| 61 | 51,300 | 0.5 | 102,600 | 91,351 | 35.5 | 32,430 | 22,616 | 22,616 | - | 61 |
| 62 | 53,352 | 0.5 | 106,704 | 95,005 | 36.0 | 34,202 | 26,025 | 26,025 | - | 62 |
| 63 | 55,486 | 0.5 | 110,972 | 98,806 | 36.5 | 36,064 | 29,997 | 29,997 | - | 63 |
| 64 | 57,705 | 0.5 | 115,410 | 102,758 | 37.0 | 38,020 | 34,638 | 34,638 | - | 64 |
| 65 | 60,013 | 0.5 | 120,026 | 106,868 | 37.5 | 40,076 | 40,076 | 40,076 | - | 65 |
| 66 | 62,414 | 0.5 | 124,828 | 111,142 | 38.0 | 42,234 | 44,091 | 44,091 | - | 66 |
| 67 | 64,911 | 0.5 | 129,822 | 115,588 | 38.5 | 44,501 | 48,628 | 48,628 | - | 67 |
| 68 | 67,507 | 0.5 | 135,014 | 120,212 | 39.0 | 46,883 | 53,775 | 53,775 | - | 68 |
| 69 | 70,207 | 0.5 | 140,414 | 125,020 | 39.5 | 49,383 | 59,638 | 59,638 | - | 69 |
| $70+$ | - | - | - | 130,021 | 40.0 | 52,008 | 66,342 | 66,342 | $\$ 66,342$ | $70+$ |

Note: See next page for documentation of calculations in this table.

## Documentation of Tables A-1 And A-2

Phased Retirement Assumptions:

- Participant takes phased retirement and works 50 percent of a full-time schedule beginning at age 60 and fully retires at age 70 .
- No benefits are payable during phased retirement and full benefits are received at full retirement.

Salary and Final Average Pay (FAP) - Table A-1:

- Salary is $\$ 25,000$ at age 25 accumulated to current age at 4 percent salary increase.
- FAP is the average of the prior five years' salary.

Salary and Final Average Pay (FAP) - Table A-2:

- Salary is $\$ 25,000$ at age 25 accumulated to current age at 4 percent salary increase.
- Salary is annualized by dividing pay for the year by the percentage of a full-time schedule worked in the year. During phased retirement, because the participant works 50 percent of a full-time schedule, the salary is divided by 0.5.
- FAP is the average of the prior five years' annualized salary.

Credited Service @ Beginning of Year - Table A-2:

- A partial year of service equal to the portion of a full-time schedule worked during the year is credited during phased retirement.


## Adjusted Accrued Benefit:

- The accrued benefit reduced actuarially for early retirement for ages less than 65 and increased actuarially for late retirement for ages more than 65 .

Accrued Benefit Payable:

- The Adjusted Accrued Benefit for the current age, but not less than any prior accrued benefit payable.

Table B-1
Partial Benefits Payable During Phased Retirement
Full Benefits Paid at Full Retirement
Pay Annualized During Phased Retirement
Partial Year of Service Earned During Phased Retirement Offset for Benefits Paid Applies Only to Portion of Benefit Earned

| Age | Salary | FAP | Benefit <br> From <br> Formula | Adjusted <br> Accrued <br> Benefit | Cumulative <br> Offset for <br> Benefits <br> Paid | Increase <br> in Benefit <br> After <br> Adj for <br> Benefits Paid | Accd <br> Benefit <br> Payable <br> After Adj for <br> Bens Paid | Benefit <br> Received | Age |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 60 | $\$ 49,327$ | $\$ 87,838$ | $\$ 30,743$ | $\$ 19,684$ | - | $\$ 2,777$ | $\$ 19,684$ | $\$ 9,842$ | 60 |
| 61 | 51,300 | 91,351 | 32,430 | 22,616 | $\$ 878$ | 2,054 | 21,738 | 9,842 | 61 |
| 62 | 53,352 | 95,005 | 34,202 | 26,025 | 1,855 | 4,486 | 24,170 | 9,842 | 62 |
| 63 | 55,486 | 98,806 | 36,064 | 29,997 | 2,944 | 7,369 | 27,053 | 9,842 | 63 |
| 64 | 57,705 | 102,758 | 38,020 | 34,638 | 4,162 | 10,792 | 30,476 | 9,842 | 64 |
| 65 | 60,013 | 106,868 | 40,076 | 40,076 | 5,530 | 14,862 | 34,546 | 9,842 | 65 |
| 66 | 62,414 | 111,142 | 42,234 | 44,091 | 7,070 | 17,337 | 37,021 | 9,842 | 66 |
| 67 | 64,911 | 115,588 | 44,501 | 48,628 | 8,810 | 20,134 | 39,818 | 9,842 | 67 |
| 68 | 67,507 | 120,212 | 46,883 | 53,775 | 10,785 | 23,306 | 42,990 | 9,842 | 68 |
| 69 | 70,207 | 125,020 | 49,383 | 59,638 | 13,033 | 26,921 | 46,605 | 9,842 | 69 |
| $70+$ | - | 130,021 | 52,008 | 66,342 | 15,605 | 31,053 | 50,737 | 50,737 | $70+$ |

Note: Documentation of formulas and calculations for this table follow STET Table B-3.

## Table B-2

Full Benefits Payable During Phased Retirement After Normal Retirement Age
Full Benefits Paid at Full Retirement

## Pay Annualized During Phased Retirement

Partial Year of Service Earned During Phased Retirement
Offset for Benefits Paid Applies to Full Benefit Earned

| Age | Salary | FAP | Benefit <br> From <br> Formula | Adjusted <br> Accrued <br> Benefit | Cumulative <br> Offset for <br> Benefits <br> Paid | Increase <br> in Benefit <br> After <br> Adj for <br> Benefits Paid | Accd <br> Benefit <br> Payable <br> After Adj for <br> Bens Paid | Benefit <br> Received | Age |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 60 | $\$ 49,327$ | $\$ 87,838$ | $\$ 30,743$ | $\$ 19,684$ | - | $\$ 2,777$ | $\$ 19,684$ | - | 60 |
| 61 | 51,300 | 91,351 | 32,430 | 22,616 | - | 2,932 | 22,616 | - | 61 |
| 62 | 53,352 | 95,005 | 34,202 | 26,025 | - | 3,409 | 26,025 | - | 62 |
| 63 | 55,486 | 98,806 | 36,064 | 29,997 | - | 3,972 | 29,997 | - | 63 |
| 64 | 57,705 | 102,758 | 38,020 | 34,638 | - | 4,641 | 34,638 | - | 64 |
| 65 | 60,013 | 106,868 | 40,076 | 40,076 | - | 5,438 | 40,076 | $\$ 40,076$ | 65 |
| 66 | 62,414 | 111,142 | 42,234 | 44,091 | $\$ 4,015$ | - | 40,076 | 40,076 | 66 |
| 67 | 64,911 | 115,588 | 44,501 | 48,628 | 8,552 | - | 40,076 | 40,076 | 67 |
| 68 | 67,507 | 120,212 | 46,883 | 53,775 | 13,699 | - | 40,076 | 40,076 | 68 |
| 69 | 70,207 | 125,020 | 49,383 | 59,638 | 19,562 | - | 40,076 | 40,076 | 69 |
| $70+$ | - | 130,021 | 52,008 | 66,342 | 26,266 | - | 40,076 | 40,076 | $70+$ |

Note: Documentation of formulas and calculations for this table follows Table B-3.


Appendix - Page xv

Table B-3
Partial Benefits Payable During Phased Retirement After Normal Retirement Age
Full Benefits Paid at Full Retirement

## Pay Annualized During Phased Retirement

Partial Year of Service Earned During Phased Retirement Offset for Benefits Paid Applies Only to Portion of Benefit Earned

| Age | Salary | FAP | Benefit <br> From <br> Formula | Adjusted <br> Accrued <br> Benefit | Cumulative <br> Offset for <br> Benefits <br> Paid | Increase <br> in Benefit <br> After <br> Adj for <br> Benefits Paid | Accd <br> Benefit <br> Payable <br> After Adj for <br> Bens Paid | Benefit <br> Received | Age |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 60 | $\$ 49,327$ | $\$ 87,838$ | $\$ 30,743$ | $\$ 19,684$ | - | $\$ 2,777$ | $\$ 19,684$ | - | 60 |
| 61 | 51,300 | 91,351 | 32,430 | 22,616 | - | 2,932 | 22,616 | - | 61 |
| 62 | 53,352 | 95,005 | 34,202 | 26,025 | - | 3,409 | 26,025 | - | 62 |
| 63 | 55,486 | 98,806 | 36,064 | 29,997 | - | 3,972 | 29,997 | - | 63 |
| 64 | 57,705 | 102,758 | 38,020 | 34,638 | - | 4,461 | 34,638 | - | 64 |
| 65 | 60,013 | 106,868 | 40,076 | 40,076 | - | 5,438 | 40,076 | $\$ 20,038$ | 65 |
| 66 | 62,414 | 111,142 | 42,234 | 44,091 | $\$ 2,007$ | 2,008 | 42,084 | 20,038 | 66 |
| 67 | 64,911 | 115,588 | 44,501 | 48,628 | 4,276 | 4,276 | 44,352 | 20,038 | 67 |
| 68 | 67,507 | 120,212 | 46,883 | 53,775 | 6,850 | 6,850 | 46,926 | 20,038 | 68 |
| 69 | 70,207 | 125,020 | 49,383 | 59,638 | 9,781 | 9,781 | 49,857 | 20,038 | 69 |
| $70+$ | - | 130,021 | 52,008 | 66,342 | 13,133 | 13,133 | 53,209 | 53,209 | $70+$ |

Note: See next page for documentation of formulas and calculations for this table.

## Documentation of Tables B-1, B-2, and B-3

Phased Retirement Assumptions:

- Participant takes phased retirement and works 50 percent of a full-time schedule beginning at age 60 .
- Participant fully retires at age 70.

Salary and Final Average Pay:

- Salary is $\$ 25,000$ at age 25 accumulated to current age at 4 percent salary increase.
- FAP is the average of the prior five years' annualized salaried whereby annualized salary is the actual salary divided by portion of the year worked.

Benefit From Formula:

- Benefit formula shown above using final average pay and credited service whereby credited service is the sum of all prior portions of year worked.
- Partial year of service is credited during phased retirement.

Adjusted Accrued Benefit:

- The accrued benefit reduced actuarially for early retirement for ages before normal retirement age and increased actuarially for years after normal retirement age.
- Formula for early retirement reduction to age x : Benefit from Formula ${ }_{65} \frac{N_{65}}{N_{x}}$ but not less than any prior adjusted accrued benefit.
- Formula for late retirement increase to age y: Benefit from Formula ${ }_{65} \frac{N_{65}}{N_{y}}$ but not less than the benefit from formula at age $y$.


## Cumulative Offset for Benefits Paid:

- The adjustment reflects the annual benefit that could be purchased with the benefits that were received in prior years.
- Prior benefit payments are actuarially increased to the current age.
- This formula follows Example 3 of $\S 1.411(\mathrm{~b})-2$.
- PRBA = phased retirement beginning age.
- Accumulation of prior benefits paid: $\operatorname{Ben} \operatorname{Paid} \times \frac{\sum_{P R B A}^{x-1} D_{i}}{D_{x}}=\operatorname{Ben} \operatorname{Paid} \times \frac{N_{P R B A}-N_{x}}{D_{x}}$.
- Annuity purchased by accumulation of prior benefits paid: Ben Paid $\times \frac{\frac{N_{P R B A}-N_{x}}{D_{x}}}{\frac{N_{x}}{D_{x}}}=\operatorname{Ben} \operatorname{Paid} \times \frac{N_{P R B A}-N_{x}}{N_{x}}$.

Increase in Accrued Benefit After Adjustment for Benefits Paid:

- PRBA = the age at which benefit payments begin during phased retirement.
- PR \% = percentage of accrued benefit received during phased retirement.
- Before age at which benefits are paid =

Accrued Benefit Payable - Accrued Benefit Payable After Adjustment for Benefits Paid $_{x-1}$.

- Beginning with age at which benefits are first paid (this adjustment is the cumulative increase in the accrued benefit at age PRBA $)=\operatorname{Max}\left[0,\left(\right.\right.$ Accrued Benefit Payable $_{x}-$ Accrued Benefit Payable $\left._{\text {PRBA }}\right) \times P R \%-$ Cumulative Offset $\left._{x}\right]$ $+(1-P R \%) \times\left(\right.$ Accrued Benefit Payable $_{\mathrm{x}}-$ Accrued Benefit Payable $\left._{\text {PRBA }}\right)$

Accrued Benefit Payable After Adjustment for Benefits Paid:

- Before PRBA, the prior year's accrued benefit payable after adjustment for benefits paid plus the current year's increase in accrued benefit after adjustment for benefits paid.
- Beginning with the age at which benefits are first paid,

Accrued Benefit Payable PRBA + Increase in Accrued Benefit After Adjustment for Benefits Paid ${ }_{x}$

Benefit Payout Assumptions - Table B-1

- 50 percent of the accrued benefit at initial phased retirement is payable during phased retirement.
- Accrued benefit payable after adjustment for benefits paid at full retirement begins at that age.

Benefit Payout Assumptions- Table B-2:

- 100 percent of the accrued benefit is payable beginning at normal retirement.
- Accrued benefit payable after adjustment for benefits paid at full retirement begins at that age.

Benefit Payout Assumptions - Table B-3:

- 50 percent of the accrued benefit is payable beginning at normal retirement.
- Accrued benefit payable after adjustment for benefits paid at full retirement begins at that age.

Table C
Various Final Average Pay Alternatives

| Age | Salary | Decreasing <br> Final Average <br> Pay | Non-Decreasing <br> Final Average <br> Pay | Annualized <br> Phased Years | Average With <br> Phased Years <br> Annualized | Divide <br> by Partial <br> Years | Average Using <br> Partial Years to <br> Divide | Age |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 55 | $\$ 81,087$ | - | - | $\$ 81,087$ | - | 1.0 | - | 55 |
| 56 | 84,330 | - | - | 84,330 | - | 1.0 | - | 56 |
| 57 | 87,703 | - | - | 87,703 | - | 1.0 | - | 57 |
| 58 | 91,211 | - | - | 91,211 | - | 1.0 | - | 58 |
| 59 | 94,859 | - | - | 94,859 | - | 1.0 | - | 59 |
| 60 | 49,327 | $\$ 87,838$ | $\$ 87,838$ | 98,654 | $\$ 87,838$ | 0.5 | $\$ 87,838$ | 60 |
| 61 | 51,300 | 81,486 | 87,838 | 102,600 | 91,351 | 0.5 | 90,540 | 61 |
| 62 | 53,352 | 74,880 | 87,838 | 106,704 | 95,055 | 0.5 | 93,600 | 62 |
| 63 | 55,486 | 68,010 | 87,838 | 110,972 | 98,806 | 0.5 | 97,157 | 63 |
| 64 | 57,705 | 60,865 | 87,838 | 115,410 | 102,758 | 0.5 | 101,441 | 64 |
| 65 | 60,013 | 53,434 | 87,838 | 120,026 | 106,868 | 0.5 | 106,868 | 65 |
| 66 | 62,414 | 55,571 | 87,838 | 124,828 | 111,142 | 0.5 | 111,142 | 66 |
| 67 | 64,911 | 57,794 | 87,838 | 129,822 | 115,588 | 0.5 | 115,588 | 67 |
| 68 | 67,507 | 60,106 | 87,838 | 135,014 | 120,212 | 0.5 | 120,212 | 68 |
| 69 | 70,207 | 62,510 | 87,838 | 140,414 | 125,020 | 0.5 | 125,020 | 69 |
| 70 | - | 65,010 | 87,838 |  | - | 130,021 | 0.0 | 130,021 |

Note: See next page for documentation of this table.

## Documentation of Table C

Basic Assumptions:

- Hire age $=25$
- Starting salary $=\$ 25,000$
- Annual salary increase $=4 \%$
- Years to Average in Final Average Pay =5
- Percentage of Full-Time Work During Phased Retirement $=50 \%$
- Phased Retirement Beginning Age $=60$
- Full Retirement Age = 70

Salary:

- Prior year's salary multiplied by $1+$ salary increase.

Decreasing Final Average Pay:

- Final average pay is the average of the prior five years of salary.

Non-Decreasing Final Average Pay:

- Final average pay is the average of the prior five years of salary, but not less than any prior final average pay.

Annualized Phased Years:

- During phased retirement, salary is annualized by dividing the pay received by (1-\% of full-time schedule worked during phased retirement).
- Annualized salary at age 61 equals $\$ 51,300 \div(1-0.5)=\$ 106,200$

Average With Phased Years Annualized:

- Final average pay is the average of the prior five years of annualized salary.

Divide by Partial Years:

- Portion of full-time worked in current year.

Average Using Partial Years to Divide:

- Final average pay is the sum of the prior five years of salary divided by the sum of the prior five years' portions of full-time schedule worked.

