Bay County Retiree Health Care Plan

Actuarial Valuation Report For County Employers Other Than BABH as of December 31, 2021



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April 14, 2023

Bay County Voluntary Employees' Beneficiary Association (VEBA) – Board of Trustees Bay City, Michigan

Re: Bay County Retiree Health Care Plan – Excluding BABH Actuarial Funding Valuation as of December 31, 2021

Dear Board Members:

The results of the December 31, 2021 Biennial Actuarial Funding Valuation of the Bay County Voluntary Employees' Beneficiary Association – Excluding BABH are presented in this report.

This report was prepared at the request of the Board and is intended for use by the VEBA, Bay County, each Employer, and those designated or approved by the Board. This report may be provided to parties other than the VEBA, only in its entirety and only with the permission of the Board. GRS is not responsible for unauthorized use of this report.

The purposes of the valuation are to measure the Plan's funding progress and to determine the Actuarially Determined Contribution for the fiscal years ending December 31, 2024 and December 31, 2025. This report should not be relied on for any purpose other than the purposes described herein. Determinations of financial results, associated with the benefits described in this report, for purposes other than those identified above may be significantly different. This report does not include actuarial information needed to satisfy reporting requirements under Governmental Accounting Standards Board (GASB) Statement No. 75.

This valuation assumed the continuing ability of the plan sponsors to make the contributions necessary to fund this plan. A determination regarding whether or not the plan sponsors are actually able to do so is outside our scope of expertise and was not performed.

Results presented in this report are developed using the actuarial assumptions and methods disclosed in this report. Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status); and changes in plan provisions or applicable law. This report does not include a robust assessment of the risks of future experience not meeting the actuarial assumptions. Additional assessment of risks was outside the scope of this assignment. We encourage a review and assessment of the investment and other significant risks that may have a material effect on the plan's financial condition.

Bay County VEBA Board Members April 14, 2023 Page 2

The findings in this report are based on information furnished by Bay County and each Employer concerning retiree health care benefits, financial transactions, plan provisions and active members, terminated members, retirees and beneficiaries. We checked for internal reasonability and year-to-year consistency, but did not audit the data. We are not responsible for the accuracy or completeness of the information provided by Bay County and the Employers.

This report was prepared using assumptions adopted by the Board. All actuarial assumptions used in this report are reasonable for the purposes of this valuation. All actuarial assumptions and methods used in the valuation follow the guidance in the applicable Actuarial Standards of Practice. Additional information about the actuarial assumptions is included in the section of this report titled Actuarial Cost Methods and Actuarial Assumptions.

This report was prepared using our proprietary valuation model and related software which, in our professional judgment, has the capability to provide results that are consistent with the purposes of the valuation and has no material limitations or known weaknesses. We performed tests to ensure that the model reasonably represents that which is intended to be modeled.

This report has been prepared by actuaries who have substantial experience valuing public retiree health programs. To the best of our knowledge, the information contained in this report is accurate and fairly presents the actuarial position of the Bay County Retiree Health Care Plan - Excluding BABH as of the valuation date. All calculations have been made in conformity with generally accepted actuarial principles and practices, and with the Actuarial Standards of Practice issued by the Actuarial Standards Board.

James D. Anderson, Shana M. Neeson, and Stephanie Sullivan are Members of the American Academy of Actuaries (MAAA). These actuaries meet the Academy's Qualification Standards to render the actuarial opinions contained herein. The signing actuaries are independent of the plan sponsor.

Respectfully submitted,
Gabriel, Roeder, Smith & Company

James D. Circlerson

James D. Anderson, FSA, EA, FCA, MAAA

Stephanie Sullivan

Shana M. Neeson, ASA, FCA, MAAA

Shana M Nelson

Stephanie Sullivan, ASA, MAAA

JDA/SMN/SS:di





Executive Summary

Actuarially Determined Contribution

We have calculated the Actuarially Determined Contribution for the fiscal years ending December 31, 2024 and December 31, 2025 under an interest rate assumption of 7.00%. Below is a summary of the results. The Actuarially Determined Contributions and estimated claims and premiums shown below include the impact of any implicit rate subsidy present in your pre-65 rates.

Fiscal Year Ending	Actuarially Determined Contribution	Estimated Claims and Premiums Paid for Retirees		
December 31, 2024	\$ 3,157,869	\$ 5,179,262		
December 31, 2025	3,108,446	5,370,680		

For additional details please see the section titled "Valuation Results."

Liabilities and Assets – as of December 31, 2021

Present Value of Future Benefit Payments	\$79,300,149
2. Actuarial Accrued Liability	72,075,733
3. Plan Assets	66,193,009
4. Unfunded Actuarial Accrued Liability (2) – (3)	5,882,724
5. Funded Ratio (3)/(2)	91.8%

The Present Value of Future Benefit Payments (PVFB) is the present value of all benefits projected to be paid from the plan for past and future service to current members. The Actuarial Accrued Liability is the portion of the PVFB allocated to past service by the Plan's funding method (see the section titled "Actuarial Cost Methods and Actuarial Assumptions").



SECTION A

VALUATION RESULTS

Bay County Retiree Health Care Plan – Excluding BABH Results by Division as of December 31, 2021

				Medical Care	Sheriff's	Road	
	General County	DWS	Library	Facility	Deptment	Commission	Total
A. Present Value of Future Benefits							
i) Retirees and Beneficiaries	\$ 14,598,632	\$ 6,409,299	\$ 1,049,064	\$ 9,583,192	\$ 4,864,075	\$ 9,717,714	\$ 46,221,976
ii) Vested Terminated Members	0	0	0	0	0	0	0
iii) Active Members	10,213,255	4,752,220	1,504,985	5,761,636	3,709,221	7,136,856	33,078,173
Total Present Value of Future Benefits	24,811,887	11,161,519	2,554,049	15,344,828	8,573,296	16,854,570	79,300,149
B. Present Value of Future Normal Costs	1,669,890	2,030,312	493,933	715,960	675,792	1,638,529	7,224,416
C. Actuarial Accrued Liability (AB.)	23,141,997	9,131,207	2,060,116	14,628,868	7,897,504	15,216,041	72,075,733
D. Actuarial Value of Assets	22,477,663	9,787,627	3,453,896	19,532,784	7,068,264	3,872,775	66,193,009
E. Unfunded Actuarial Accrued Liability (CD.)	664,334	(656,420)	(1,393,780)	(4,903,916)	829,240	11,343,266	5,882,724
F. Funded Ratio (D./C.)	97.1%	107.2%	167.7%	133.5%	89.5%	25.5%	91.8%
G. Fiscal Year Ending December 31, 2024							
i) Employer Normal Cost	\$ 325,358	\$ 265,011	\$ 68,617	\$ 123,992	\$ 112,148	\$ 246,386	\$ 1,141,512
ii) Amortization of UAAL*	73,084	<u>(57,487)</u>	(153,331)	<u>(574,458)</u>	91,226	2,102,143	1,481,177
Actuarially Determined Contribution	\$ 398,442	\$ 207,524	\$ 0	\$ 0	\$ 203,374	\$ 2,348,529	\$ 3,157,869
H. Fiscal Year Ending December 31, 2025							
Actuarially Determined Contribution	\$ 368,229	\$ 214,269	\$ 0	\$ 0	\$ 194,084	\$ 2,331,864	\$ 3,108,446

^{*} The Unfunded Actuarial Accrued Liabilities (UAAL) were amortized over a closed period for all Employers. The UAAL was amortized for each Employer as follows for the fiscal year ending December 31, 2024 and decreasing by one each year thereafter:

Employer	Method	Period
General County	Level Dollar	18 years
DWS	Level Percent of Payroll	18 years
Library	Level Dollar	18 years
Medical Care Facility	Level Dollar	16 years
Sheriff's Deptment	Level Dollar	18 years
Road Commission	Level Dollar	8 years

The long-term rate of investment return used in this valuation is 7.00%.



Comments

Comment A: The Actuarial Accrued Liability, Present Value of Future Benefit Payments (PVFB), and Actuarially Determined Contribution decreased since the prior valuation.

Reasons for the decrease in liability, PVFB, and Actuarially Determined Contribution include, but are not limited to the following:

- Favorable investment performance;
- Favorable pre-65 claims and premium experience for the General County, Medical Care Facility, Sheriff's Department, and Road Commission;
- Favorable post-65 claims and premium experience for all divisions; and
- A benefit change: General County members retiring after January 1, 2023 are no longer eligible for life insurance in retirement.

Partially offsetting these factors was unfavorable experience due to:

- Unfavorable pre-65 claims and premium experience for the DWS and Library; and
- An assumption change: Adjustment to the health care cost trend rates.

The impact of the assumption change noted above increased the liabilities by approximately \$1,850,000. The impact of the benefit change noted above decreased the liabilities by approximately \$155,000.

Comment B: One of the key assumptions used in any valuation of the cost of postemployment benefits is the rate of return on the assets that will be used to pay Plan benefits. Higher assumed investment returns will result in a lower Actuarially Determined Contribution. Lower returns will tend to increase the Actuarially Determined Contribution. We have calculated the liability and the resulting Actuarially Determined Contribution using an assumed annual rate of investment return of 7.00%. The investment return assumption should not exceed reasonable market expectations.

Comment C: The plan sponsor is required by GASB to perform actuarial valuations at least biennially or more frequent if significant changes in the OPEB are made in the interim.

Comment D: The contribution amounts shown include amortization of the unfunded actuarial accrued liability over a closed 8-year period for Road Commission, a closed 16-year period for Medical Care Facility, and a closed 18-year period for all other groups for the fiscal year ending December 31, 2024 and decreasing by one each year thereafter. For this valuation, assets represent 91.8% of accrued liabilities; for the last valuation, the ratio was 48.1%. Given the funded status of the DWS, the MCF, and the Library, these employers should consider starting to pay benefits from the trust, if the Plan document allows.

Comment E: The asset split between the various groups was provided by the County.

Comment F: This valuation covers the retiree health benefits provided by all units of the Bay County Voluntary Employees' Beneficiary Association, excluding the Bay-Arenac Behavioral Health Authority. These benefits differ between the various groups but in general include: medical, dental, vision, prescription drug coverage and life insurance.



Comments

Comment G: The GASB issued Statement Nos. 74 and 75 for OPEB valuations, GASB Statement No. 74 for the plan OPEB disclosures is effective for fiscal years beginning after June 15, 2016. GASB Statement No. 75 for employer OPEB disclosures is effective for employer fiscal years beginning after June 15, 2017. The GASB implementation guides for Statement Nos. 74 and 75 provide additional clarification related to the implementation of these Statements. It is our understanding that the County needs to comply with GASB Statement No. 75 for each measurement date ending December 31st. The basis for the December 31, 2022 and December 31, 2023 GASB Statement No. 75 reporting information is expected to be this valuation (as of December 31, 2021) where roll-forward techniques will be applied.

Comment H: The Michigan State Treasurer has established uniform actuarial assumptions as required by Public Act 202 (PA 202) of 2017 for use with annual Form 5572 (Retirement System Annual Report). The use of the uniform assumptions for reporting purposes is required for each future fiscal year ending December 31st. Consistent with past practice, GRS plans to provide the necessary PA 202 uniform assumption information as part of the GASB Statement No. 75 reports.

Comment I: Unless otherwise indicated, a funded status measurement presented in this report is based upon the actuarial accrued liability and the market value of assets. Unless otherwise indicated, with regards to any funded status measurements presented in this report:

- The measurement is inappropriate for assessing the sufficiency of plan assets to cover the estimated cost of settling the plan's benefit obligations,
- A funded status measurement of 100% is not synonymous with no required future contributions. If the funded status were 100%, the Plan would still require future normal cost contributions (i.e., contributions to cover the cost of the active membership accruing an additional year of service credit). In the instance of the Library and the Medical Care Facility, the contribution requirement is \$0 because the over funding credit is more than sufficient to offset the normal cost contribution; and
- The measurement is inappropriate for assessing the need for or the amount of future employer contributions.





RETIREE PREMIUM RATE DEVELOPMENT

Initial retiree premiums rates were developed for two classes of retirees (pre-65 and post-65), and for each of the following Bay County Divisions:

- 1. Library (fully-insured)
- 2. Bay Medical Care Facility (partially fully-insured and self-insured)
- 3. Road Commission (partially fully-insured and self-insured)
- 4. Department of Water and Sewer DWS (partially fully-insured and self-insured)
- 5. General and Sheriff's Divisions (partially fully-insured and self-insured)

Fully-Insured Rate Development

Library

Initial premium rates were developed for the two classes of retirees (pre-65 and post-65). Blue Cross Blue Shield and Benistar fully-insured rates provided by Bay County Library were utilized to determine the appropriate premium rates. The pre-65 fully-insured premiums are blended rates based on the combined experience of active and pre-65 retired members; therefore, there is an implicit employer subsidy for the non-Medicare eligible retirees since the average cost of providing health care benefits to retirees under age 65 is higher than the average cost of providing health care benefits to active employees. The true per capita cost for the pre-65 retirees is developed by adjusting the demographic differences between the active employees and retirees to reflect this implicit rate subsidy for the retirees. The pre-65 rates include an adjustment for the HRA benefit that covers 80% of the in-network deductible. For the post-65 retirees, the fully-insured premium rate was used as the basis of the initial per capita cost without adjustments since the rate reflects the demographics of the post-65 retiree group.

For the current active employees, the only group/division available upon retirement is BCBS division 0008 pre-65 and The Benistar plan post-65 with Express Scripts Group Medicare Part D Program.



Blended Rate Development

Medical Care Facility

Premium rates for the Medical Care Facility were developed separately for the pre-65 self-insured portion and the post-65 Medicare Advantage fully-insured portion.

The pre-65 rates were calculated using paid claims and exposure data for the period of January 2020 through December 2022, adjusted for catastrophic claims, plus the load for administration, network access fee, and stop loss premiums. The self-insured medical and prescription drug data were provided by the Medical Care Facility. The medical data was analyzed for the pre-65 and post-65 participants separately since Medicare is available for the post-65 participants who have moved to a fully-insured Medicare Advantage plan. Furthermore, since the prescription drug claims and the medical claims exhibit different trends and claim payment patterns, we analyzed these claims separately as well. Due to the very small number of retirees, the experience from the active employees and their dependents was incorporated into the premium development.

For the post-65 retirees, the initial premium rates were developed using the fully-insured Medicare Advantage rates, effective January 1, 2023 through December 31, 2023, provided by the Medical Care Facility.

In a Medicare Advantage Program, the liability is based on the difference between the present value of future claims minus the present value of future reimbursements from CMS. CMS' reimbursement is based on a very competitive bid process and has resulted in recent Medicare Advantage premiums trending at low rates of increase. Previously, a margin has been added to Medicare Advantage rates to recognize that increases in CMS reimbursements may lag behind the trends for healthcare costs. For the near term, we believe this margin is no longer necessary and we will monitor the Medicare Advantage environment and revisit the need for an additional margin at the time of the next valuation.

For current active employees, the only plans available upon retirement is BCBS groups 0023, 0024, and 0025. We have developed separate premium rates for future retirees to reflect the benefit differences.



Road Commission

The pre-65 rates were calculated using incurred claims and exposure data for the period of January 2019 through December 2021, paid through April 2022, adjusted for catastrophic claims, plus the load for administration, network access fee, and stop loss premiums. The self-insured medical and prescription drug data were provided by the Road Commission. The medical data was analyzed for the pre-65 and post-65 participants separately since Medicare is available for the post-65 participants who have moved to a fully-insured Medicare Advantage plan. Furthermore, since the prescription drug claims and the medical claims exhibit different trends and claim payment patterns, we analyzed these claims separately as well. The experience from the active employees and their dependents was used as a reference point when developing the initial pre-65 retiree premium rates.

For the post-65 retirees, the initial premium rates were developed using the fully-insured Medicare Advantage rates, effective January 1, 2023 through December 31, 2023, provided by the Road Commission.

In a Medicare Advantage Program, the liability is based on the difference between the present value of future claims minus the present value of future reimbursements from CMS. CMS' reimbursement is based on a very competitive bid process and has resulted in recent Medicare Advantage premiums trending at low rates of increase. Previously, a margin has been added to Medicare Advantage rates to recognize that increases in CMS reimbursements may lag behind the trends for healthcare costs. For the near term, we believe this margin is no longer necessary and we will monitor the Medicare Advantage environment and revisit the need for an additional margin at the time of the next valuation.

For current active employees, the plans available upon retirement are BCBS groups 0046 and 0050 for pre-65 participants and group Option II: 601 for post-65 participants. We have developed separate premium rates for future retirees to reflect the benefit differences.



Department of Water and Sewer - DWS

Premium rates for the Department of Water and Sewer were developed separately for the self-insured and the post-65 Medicare Advantage fully-insured portion.

The self-insured initial premium rates were developed for pre-65 coverage only. The pre-65 rates were calculated by using incurred claims and exposure data for the period of January 2019 through December 2021, paid through April, 2022, adjusted for catastrophic claims, plus the load for administration, network access fee, and stop loss premiums. The self-insured medical and prescription drug data were provided by the Department of Water and Sewer. The medical data was analyzed for the pre-65 and post-65 participants separately since Medicare is available for the post-65 participants who have moved to a fully-insured Medicare Advantage plan. Furthermore, since the prescription drug claims and the medical claims exhibit different trends and claim payment patterns, we analyzed these claims separately as well. The experience from the active employees and their dependents was used as a reference point when developing the initial pre-65 retiree premium rates.

For the post-65 retirees, the initial premium rates were developed using the fully-insured Medicare Advantage rates, effective January 1, 2021 through December 31, 2021, provided by the Department of Water and Sewer.

In a Medicare Advantage Program, the liability is based on the difference between the present value of future claims minus the present value of future reimbursements from CMS. CMS' reimbursement is based on a very competitive bid process and has resulted in recent Medicare Advantage premiums trending at low rates of increase. Previously, a margin has been added to Medicare Advantage rates to recognize that increases in CMS reimbursements may lag behind the trends for healthcare costs. For the near term, we believe this margin is no longer necessary and we will monitor the Medicare Advantage environment and revisit the need for an additional margin at the time of the next valuation.

For current active employees, the only plans available upon retirement are BCBS groups 0025, 0026, 0052, and 0054 for pre-65 participants and suffix 601 for post-65 participants. We have developed separate premium rates for future retirees to reflect the benefit differences.



Bay County General and Sheriff

Premium rates for Bay County General and Sheriff were developed separately for the pre-65 self-insured portion and the post-65 Medicare Advantage fully-insured portion.

The pre-65 rates were calculated using incurred medical claims and exposure data for the period of January 2019 through December 2021, paid through April 30, 2022, and paid prescription drug claims for the period of January 2019 through December 2021. The rates were adjusted for catastrophic claims, plus the load for administration, network access fee, and stop loss premiums. The self-insured medical and prescription drug data were provided by the County. The medical data was analyzed for the pre-65 and post-65 participants separately since Medicare is available for the post-65 participants and has a significant impact on the claim experience. Furthermore, since the prescription drug claims and the medical claims exhibit different trends and claim payment patterns, we analyzed these claims separately as well. Due to the very small number of retirees, the experience from the active employees and their dependents was incorporated into the premium development.

For the post-65 retirees, the initial premium rates were developed using the fully-insured Medicare Advantage rates, effective January 1, 2023 through December 31, 2023, provided by the County.

In a Medicare Advantage Program, the liability is based on the difference between the present value of future claims minus the present value of future reimbursements from CMS. CMS' reimbursement is based on a very competitive bid process and has resulted in recent Medicare Advantage premiums trending at low rates of increase. Previously, a margin has been added to Medicare Advantage rates to recognize that increases in CMS reimbursements may lag behind the trends for healthcare costs. For the near term, we believe this margin is no longer necessary and we will monitor the Medicare Advantage environment and revisit the need for an additional margin at the time of the next valuation.

For current active employees, the only plan available upon retirement is BCBS group 0011 for pre-65 participants and group Option 0 for post-65 participants. We have developed separate premium rates for future retirees to reflect the benefit differences.



All Groups

Age graded and sex distinct premiums are utilized in this valuation. The premiums developed by the preceding processes are appropriate for the unique age and sex distribution currently existing. Over the future years covered by this valuation, the age and sex distribution will most likely change. Therefore, our process "distributes" the average premium over all age/sex combinations and assigns a unique premium for each specific age/sex combination. The age/sex specific premiums more accurately reflect the health care utilization and cost at that age.

Future Retirees

Expected Health Care Cost by Age for Medical and Prescription Drugs								
	General County		DV	VS	Library			
Age	Male	Female	Male Female		Male	Female		
45	\$ 499.34	\$ 689.15	\$ 664.60	\$ 917.24	\$ 398.40	\$ 549.85		
50	650.19	800.98	865.39	1,066.07	518.77	639.07		
55	855.58	934.17	1,138.75	1,243.35	682.64	745.34		
60	1,105.03	1,088.08	1,470.76	1,448.20	881.67	868.14		
64	1,343.75	1,268.13	1,788.49	1,687.85	1,072.13	1,011.80		
65	283.93	267.80	309.94	292.33	428.03	403.72		
70	309.30	299.30	337.63	326.71	466.28	451.20		
75	332.20	324.15	362.62	353.84	500.79	488.67		

	Expected Health Care Cost by Age for Medical and Prescription Drugs									
	Medic	al Care	Sher	iff's	Road					
	Fac	ility	Depart	tment	Comm	ission				
Age	Male	Female	Male Female		Male	Female				
45	\$ 525.50	\$ 725.26	\$ 499.34	\$ 689.15	\$ 481.55	\$ 664.60				
50	684.26	842.94	650.19	800.98	627.03	772.44				
55	900.41	983.12	855.58	934.17	825.10	900.89				
60	1,162.93	1,145.09	1,105.03	1,088.08	1,065.67	1,049.31				
64	1,414.15	1,334.58	1,343.75	1,268.13	1,295.88	1,222.96				
65	83.13	78.41	283.93	267.80	294.93	278.17				
70	90.56	87.63	309.30	299.30	321.28	310.89				
75	97.27	94.91	332.20	324.15	345.06	336.70				



Current Retirees

	Expected Health Care Cost by Age for Medical and Prescription Drugs								
	General County		DV	ws	Library				
Age	Male	Female	Male Female		Male	Female			
45	\$ 499.34	\$ 689.15	\$ 665.42	\$ 918.37	\$ 398.40	\$ 549.85			
50	650.19	800.98	866.46	1,067.39	518.77	639.07			
55	855.58	934.17	1,140.16	1,244.89	682.64	745.34			
60	1,105.03	1,088.08	1,472.58	1,449.99	881.67	868.14			
64	1,343.75	1,268.13	1,790.70	1,689.93	1,072.13	1,011.80			
65	283.93	267.80	369.74	348.74	428.03	403.72			
70	309.30	299.30	402.78	389.76	466.28	451.20			
75	332.20	324.15	432.60	422.12	500.79	488.67			

Expected Health Care Cost by Age for Medical and Prescription Drugs								
	Medic	al Care	Shei	riff's	Roa	ad		
	Facility		Depar	tment	Comm	ission		
Age	Male	Female	Male Female		Male	Female		
45	\$ 525.52	\$ 725.29	\$ 499.34	\$ 689.15	\$ 478.79	\$ 660.79		
50	684.29	842.98	650.19	800.98	623.43	768.01		
55	900.45	983.16	855.58	934.17	820.37	895.72		
60	1,162.98	1,145.14	1,105.03	1,088.08	1,059.55	1,043.29		
64	1,414.22	1,334.64	1,343.75	1,268.13	1,288.44	1,215.94		
65	83.13	78.41	283.93	267.80	332.55	313.66		
70	90.56	87.63	309.30	299.30	362.27	350.55		
75	97.27	94.91	332.20	324.15	389.08	379.66		

The dental and vision premium rates were not "age graded" for this valuation because dental and vision claims do not vary significantly by age. The monthly dental and vision premium rates used in this valuation are shown below:

		Dental and Vision							
	Pre	e-65	Post-65						
Group	One-Person	Two-Person	One-Person	Two-Person					
Road Commission	\$41.12	\$82.24	\$36.29	\$72.58					
DWS	41.12	82.24	37.97	75.94					
Medical Care Facility	30.77	57.30	29.83	55.43					



Health Care Cost Trend Assumption

The health care cost trend rate is the rate of change in per capita health care claims over time as a result of factors such as medical inflation, utilization of health care services, plan design, and technological improvements. It is a crucial economic assumption that is required for measuring retiree health care benefit obligations.

Retiree health care valuations use a health care cost trend assumption (trend vector) that changes over the years. The trend vector used in this valuation begins with a near-term trend assumption and declines over a time to an ultimate trend rate. The near-term rates reflect the increases in the current cost of health care goods and services. The process of trending down to a lower ultimate trend relies on the theory that premiums will moderate over the long term, otherwise the healthcare sector would eventually consume the entire GDP. It is on this basis that we project premium rate increases will continue to exceed wage inflation for the next twelve years, but by less each year until leveling off at an ultimate rate, assumed to be 3.50% in this valuation.

While experience is often the best starting point for future costs, GRS does not rely on a group's experience in setting the near-term trend assumptions since trends vary significantly from year to year and are not credible for most groups. Therefore, professional judgment, trends from GRS' book of business and industry benchmarks (e.g., trend reports from various Pharmacy Benefit Management (PBM) organizations and national healthcare benefit consulting firms) are used in conjunction with a group's historical experience to establish the trend assumptions.

The combined medical and prescription drug per capita costs are projected to increase as shown in the table below:

	Hea	Health Care Trend Inflation Rates						
Year After	Medica	al/Drug						
Valuation	Non-Medicare (Pre-65)	Medicare (Post-65)	Dental/Vision					
1	7.50%	6.25%	3.50%					
2	7.25%	6.00%	3.50%					
3	6.75%	5.75%	3.50%					
4	6.50%	5.50%	3.50%					
5	6.00%	5.25%	3.50%					
6	5.75%	5.00%	3.50%					
7	5.25%	4.75%	3.50%					
8	5.00%	4.50%	3.50%					
9	4.50%	4.25%	3.50%					
10	4.25%	4.00%	3.50%					
11	3.75%	3.75%	3.50%					
12	3.50%	3.50%	3.50%					
13	3.50%	3.50%	3.50%					
14	3.50%	3.50%	3.50%					
15	3.50%	3.50%	3.50%					
16+	3.50%	3.50%	3.50%					



Actuarial Disclosures

The premium rates used in this valuation were developed using the proprietary Excel models which, in James E. Pranschke's professional judgment, provide the initial projected costs which are consistent with the purposes of the valuation. We performed tests to ensure that the models, in their entirety, reasonably represent that which is intended to be modeled.

Aging factors used in the premium development models were developed based on the information and data from a 2013 study commissioned by the Society of Actuaries entitled "Health Care Costs – From Birth to Death."

James E. Pranschke is a Member of the American Academy of Actuaries (MAAA) and meets the Qualification Standards of the American Academy of Actuaries to certify the per capita retiree health care rates shown on pages B-6 and B-7 as well as the health care trend rates shown on page B-8.

James E. Branschke
James E. Pranschke, FSA, FCA, MAAA



SECTION C

SUMMARY OF BENEFITS

Bay County Retiree Health Care Plan – General County Summary of the Benefit Provisions as of December 31, 2021

			When do retiree			Retiree			Retiree Share of Cost for		
Leaving Employment	Eligibility for	Eligibility for Retiree	health benefits	Coverage Provi	ded by Employer	Health Care	Type of	Third Party		Spouse (while	Spouse (after
as a Result of	Pension Benefit	Health Benefit	commence?	Retiree	Spouse	Provider(s)	Insurance	Administrator	Retiree	Retiree is alive)	Retiree's death)
				•							
Normal/Early Retirement	Dispatchers:	Dispatchers:	Immediately	Medical	Medical	BCBS	self-insured	BCBS	See Schedule A	See Schedule A	See Schedule A
	25 yrs of svc regardless of age **	Age 55 with 8/10* yrs of svc	i i	Prescription drug	Prescription drug	EHIM	self-insured	EHIM	See Schedule A	See Schedule A	See Schedule A
	30 yrs of svc regardless of age	25 yrs of svc regardless of age		Life Insurance	N/A	Standard	TERM		See Schedule F	N/A	N/A
	Age 55 with 8/10* yrs of svc **	Age 60 with 8/10* yrs of svc			· .					,	,
	Age 55 with 25 yrs of svc	Age 55 with 25 yrs of svc		** life insurance							
	Age 60 with 8/10* yrs of svc	30 yrs regardless of age		as a retiree is							
	Nurses:	Nurses:		provided to the							
	Age 55 with 8/10 [#] yrs of svc **	Age 55 with 8/10" yrs of svc		following units							
	Age 55 with 30 yrs of svc	Age 60 with 8/10" yrs of svc		only Non-Rep,							
	Age 60 with 8 yrs of svc	, , , , , , , , , , , , , , , , , , ,		USW FT,							
	Age 62 with 10" yrs of svc			BCAMPS, USW-							
		Circuit Court G.E.L.C.:		Probate**							
	Circuit Court G.E.L.C.:			Probate							
	Age 55 with 8/10 [®] yrs of svc **	Age 55 with 8/10 [®] yrs of svc									
	Age 55 with 30 yrs of svc	Age 60 with 8/10 [®] yrs of svc									
	Age 60 with 8/10 [®] yrs of svc										
	Age 62 with 10 [#] yrs of svc			l			1				
	Probate Court USWA:	Probate Court USWA:									
	Age 55 with 8 yrs of svc **	Age 55 with 8 yrs of svc									
	Age 55 with 30 yrs of svc	Age 60 with 8 yrs of svc									
	Age 60/62" with 8 yrs of svc		*** TO BE ELIGIBLE FOR HEALTH,								
		Barralalas Cararal Carara	EMPLOYEE MUST HAVE BEEN ELIGIBLE								
	Remaining General Groups:	Remaining General Groups:	FOR HEALTH AS AN ACTIVE EMPLOYEE								
	Age 55 with 8/10* yrs of svc **	Age 55 with 8/10* yrs of svc	- this is true for all categories on this matrix								
	Age 55 with 30 yrs of svc	Age 60 with 8/10* yrs of svc	matrix								
	Age 60 with 8/10* yrs of svc Age 62 with 10 [#] yrs of svc										
	25 [%] yrs of svc regardless of age^										
	23 yrs or svc regardless or age.		1								
Deferred Vested Termination	Dispatchers:	Dispatchers:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	8/10* yrs of svc	N/A	.,,,,	.,,,	.,,,,	,	.,,,	.,,,	,	14,71	14,71
	Nurses:	Nurses:									
	8/10" yrs of svc	N/A									
	Circuit Court G.E.L.C.:	Circuit Court G.E.L.C.:									
	8/10 [®] yrs of svc	N/A									
	Probate Court USWA:	Probate Court USWA:									
	8 yrs of svc	N/A									
	Remaining General Groups:	Remaining General Groups:									
	8/10* yrs of svc	N/A									
	0,20 ,										
Non-Duty Disability	10 or more yrs of credited svc	10 or more yrs of credited svc	Immediately	Medical	Medical	BCBS	self-insured	BCBS	See Schedule A	See Schedule A	See Schedule A
	and the state of t	22 2. More yis or created swe		Prescription drug	Prescription drug	EHIM	self-insured	EHIM	See Schedule A	See Schedule A	See Schedule A
1	1					Standard	TERM		See Schedule F	N/A	N/A
1				Life Insurance							1.91.1
				Life Insurance		Stanuaru					
				Life Insurance		Stanuaru					
Duty Disability	No age or svc requirement	No age or svc requirement	Immediately	Life Insurance Medical	Medical	BCBS	self-insured	BCBS	See Schedule A	See Schedule A	See Schedule A
Duty Disability	No age or svc requirement	No age or svc requirement	Immediately		Medical Prescription drug			BCBS EHIM		See Schedule A See Schedule A	See Schedule A See Schedule A
Duty Disability	No age or svc requirement	No age or svc requirement	Immediately	Medical		BCBS	self-insured		See Schedule A	See Schedule A	
Duty Disability	No age or svc requirement	No age or svc requirement	Immediately	Medical Prescription drug		BCBS EHIM	self-insured self-insured		See Schedule A See Schedule A		See Schedule A
Duty Disability	No age or svc requirement	No age or svc requirement	Immediately	Medical Prescription drug		BCBS EHIM	self-insured self-insured		See Schedule A See Schedule A	See Schedule A	See Schedule A
Duty Disability Non-Duty Death-in-Svc	No age or svc requirement 10 or more yrs of credited svc	No age or svc requirement 10 or more yrs of credited svc	Immediately	Medical Prescription drug		BCBS EHIM	self-insured self-insured		See Schedule A See Schedule A	See Schedule A	See Schedule A
				Medical Prescription drug	Prescription drug	BCBS EHIM Standard	self-insured self-insured TERM	ЕНІМ	See Schedule A See Schedule A	See Schedule A	See Schedule A N/A
				Medical Prescription drug	Prescription drug Medical	BCBS EHIM Standard	self-insured self-insured TERM	BCBS	See Schedule A See Schedule A	See Schedule A	See Schedule A N/A
				Medical Prescription drug	Prescription drug Medical	BCBS EHIM Standard	self-insured self-insured TERM	BCBS	See Schedule A See Schedule A	See Schedule A	See Schedule A N/A
				Medical Prescription drug	Prescription drug Medical	BCBS EHIM Standard	self-insured self-insured TERM	BCBS	See Schedule A See Schedule A	See Schedule A	See Schedule A N/A
Non-Duty Death-in-Svc	10 or more yrs of credited svc	10 or more yrs of credited svc	Immediately	Medical Prescription drug	Prescription drug Medical Prescription drug	BCBS EHIM Standard BCBS EHIM	self-insured self-insured TERM self-insured self-insured	EHIM BCBS EHIM	See Schedule A See Schedule A	See Schedule A	See Schedule A N/A See Schedule A See Schedule A
Non-Duty Death-in-Svc	10 or more yrs of credited svc No age or svc requirement	10 or more yrs of credited svc	Immediately	Medical Prescription drug	Prescription drug Medical Prescription drug Medical	BCBS EHIM Standard BCBS EHIM	self-insured self-insured TERM self-insured self-insured	BCBS EHIM BCBS	See Schedule A See Schedule A	See Schedule A	See Schedule A See Schedule A See Schedule A See Schedule A
Non-Duty Death-in-Svc	10 or more yrs of credited svc No age or svc requirement Benefits begin upon termination of	10 or more yrs of credited svc	Immediately	Medical Prescription drug	Prescription drug Medical Prescription drug Medical	BCBS EHIM Standard BCBS EHIM	self-insured self-insured TERM self-insured self-insured	BCBS EHIM BCBS	See Schedule A See Schedule A	See Schedule A	See Schedule A See Schedule A See Schedule A See Schedule A

Medicare Reimbursement is not offered to any members.

- @ Members hired after 1/1/2006.
- Members hired after 1/1/2007.
- # Members hired after 1/1/2012.
- ^ Elected Officials and Department Heads Only.

General County part-time members do not qualify for retiree health care. They do not have access to the plan. Employees hired after 1/1/2012 are not eligible for health care in retirement (no medical and no prescription drug). Employees in BCAMPS, USWA General, and Probate Court USWA hired after 1/1/2020 are not eligible for life insurance in retirement. All employees retiring on or after 1/1/2023 are not eligible for life insurance in retirement.



			When do retiree			Retiree				Retiree Share of Cost for	
Leaving Employment	Eligibility for	Eligibility for Retiree	health benefits		ded by Employer	Health Care	Type of	Third Party		Spouse (while	Spouse (after
as a Result of	Pension Benefit	Health Benefit	commence?	Retiree	Spouse	Provider(s)	Insurance	Administrator	Retiree	Retiree is alive)	Retiree's death)
Normal/Early Retirement	30 yrs of svc regardless of age	30 yrs of svc regardless of age	Immediately	Medical	Medical	BCBS	self-insured	BCBS	Hourly See Schedule B,	Hourly See Schedule B,	Hourly See Schedule B,
									Salary See Schedule C	Salary See Schedule C	Salary See Schedule C
	Age 55 with 8/10^ yrs of svc **	Age 55 with 8/10 [^] yrs of svc		Prescription drug	Prescription drug	BCBS	self-insured	BCBS	Hourly See Schedule B,	Hourly See Schedule B,	Hourly See Schedule B,
									Salary See Schedule C	Salary See Schedule C	Salary See Schedule C
	Age 60 with 8/10 [^] yrs of svc	Age 60 with 8/10^ yrs of svc		Dental	Dental	BCBS	self-insured	BCBS	Hourly - 100%,	Hourly - N/A,	Hourly - N/A,
				L		L			Salary See Schedule C	Salary See Schedule C	Salary See Schedule C
				Vision	Vision	BCBS	self-insured	BCBS	Hourly - 100%,	Hourly - N/A,	Hourly - N/A,
				Life Incurance	Calany Only	Dearborn National	Life	Dearborn National	Salary See Schedule C See Schedule I	Salary See Schedule C	Salary See Schedule C
				Life Insurance	Salary Only	Dearborn National	Life	Dearborn National	see scriedule i	N/A	N/A
Deferred Vested Termination	8/10^ yrs of svc	n/a	T	Medical	Medical	N/A			N/A	N/A	N/A
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•		Prescription drug	Prescription drug				N/A	N/A	N/A
				Dental	Dental	N/A			N/A	N/A	N/A
				Vision	Vision	N/A			N/A	N/A	N/A
				Life Insurance		N/A			N/A	N/A	N/A
Non-Duty Disability	10 yrs of svc	8/10^ yrs of svc	Immediately	Medical	Medical	BCBS	self-insured	BCBS	Hourly See Schedule B,	Hourly See Schedule B,	Hourly See Schedule B,
									Salary See Schedule C	Salary See Schedule C	Salary See Schedule C
				Prescription drug	Prescription drug	BCBS	self-insured	BCBS	Hourly See Schedule B, Salary See Schedule C	Hourly See Schedule B, Salary See Schedule C	Hourly See Schedule B, Salary See Schedule C
				Dental	Dental	BCBS	self-insured	BCBS	Hourly - 100%,	Hourly - N/A,	Hourly - N/A,
				Dental	Delital	BCB3	seir-insured	БСВЗ	Salary See Schedule C	Salary See Schedule C	Salary See Schedule C
				Vision	Vision	BCBS	self-insured	BCBS	Hourly - 100%,	Hourly - N/A,	Hourly - N/A,
					1.0.0	5000	Sen moured		Salary See Schedule C	Salary See Schedule C	Salary See Schedule C
				Life Insurance	Salary Only	Dearborn National	Life	Dearborn National	See Schedule I	N/A	N/A
Duty Disability	No age or svc requirement	No age or svc requirement	Immediately	Medical	Medical	BCBS	self-insured	BCBS	Hourly See Schedule B,	Hourly See Schedule B,	Hourly See Schedule B,
									Salary See Schedule C	Salary See Schedule C	Salary See Schedule C
				Prescription drug	Prescription drug	BCBS	self-insured	BCBS	Hourly See Schedule B, Salary See Schedule C	Hourly See Schedule B, Salary See Schedule C	Hourly See Schedule B, Salary See Schedule C
				Dental	Dental	BCBS	self-insured	BCBS	Hourly - 100%,	Hourly - N/A,	Hourly - N/A,
				Delitai	Delitai	ВСВЗ	seii-iiisui eu	БСВЗ	Salary See Schedule C	Salary See Schedule C	Salary See Schedule C
				Vision	Vision	BCBS	self-insured	BCBS	Hourly - 100%,	Hourly - N/A,	Hourly - N/A,
									Salary See Schedule C	Salary See Schedule C	Salary See Schedule C
				Life Insurance		Dearborn National	Life	Dearborn National	See Schedule I	N/A	, N/A
Non-Duty Death-in-Svc	10 yrs of svc	8/10^ yrs of svc	Immediately		Medical	BCBS	self-insured	BCBS			Hourly See Schedule B,
						la cas		0.000			Salary See Schedule C
					Prescription drug	RCR2	self-insured	RCR2			Hourly See Schedule B,
					Dental			ĺ			Salary See Schedule C
					Vision			ĺ			
			,	-	1.5.011	•					
Duty Death-in-Svc	No age or svc requirement	No age or svc requirement	Immediately		Medical	BCBS	self-insured	BCBS			Hourly See Schedule B,
	· ·	•	· ·					1			Salary See Schedule C
	Benefits begin upon termination of				Prescription drug	BCBS	self-insured	BCBS			Hourly See Schedule B,
	Worker's Compensation							ĺ			Salary See Schedule C
					Dental			1			
					Vision						

Medicare Reimbursement is not offered to any members.

DWS part-time members do not qualify for retiree health care. They do not have access to the plan.



[^] Members hired after 7/1/2008.

^{**} Eligible for retirement with a reduced pension.

			When do					Pakina C	nare of Cost for	
Leaving Employment	Eligibility for	Eligibility for Retiree	retiree health benefits		ovided by Employer	Retiree Health Care	Type of		Spouse (while	Spouse (after
as a Result of	Pension Benefit	Health Benefit	commence?	Retiree	Spouse	Provider(s)	Insurance	Retiree	Retiree is alive)	Retiree's death)
Normal/Early Retirement	Age 55 with 8/10! yrs of svc **	Age 55 with 30 yrs of svc	Immediately	Medical	Medical - N/A	Pre-65: BCBS	fully-insured	Retired age 55 with 30+ years - 50%		
	Age 55 with 30 yrs of svc	Age 60 with 8/10! yrs of svc				Post-65: Hartford/Benistar		Retired between age 60 and 65 - 50%,	N/A	N/A
	Age 60 with 8/10! yrs of svc							Retired after age 65 - 0%		
				Prescription drug	Prescription drug - N/A	Pre-65: BCBS	fully-insured	Retired age 55 with 30+ years - 50%		
						Post-65: Hartford/Benistar		Retired between age 60 and 65 - 50%,	N/A	N/A
								Retired after age 65 - 0%		
				Dental - N/A	Dental - N/A	N/A	N/A	N/A	N/A	N/A
				Vision - N/A	Vision - N/A	N/A	N/A	N/A	N/A	N/A
				Life Insurance - N/A		N/A	N/A	N/A	N/A	N/A
Deferred Vested Termination	ICEA/PERA 1203, ICEA/PERA 612, ICEA/PERA 542:	ICEA/PERA 1203, ICEA/PERA 612, ICEA/PERA 542:		Medical	Medical - N/A	N/A		N/A	N/A	N/A
	8/10! yrs of svc	N/A		Prescription drug	Prescription drug - N/A	N/A		N/A	N/A	N/A
	Remaining Library Groups:	Remaining Library Groups:		Dental - N/A	Dental - N/A	N/A		N/A	N/A	N/A
	8 yrs of svc	N/A		Vision - N/A	Vision - N/A	N/A		N/A	N/A	N/A
				Life Insurance - N/A		N/A		N/A	N/A	N/A
Non-Duty Disability	10 or more yrs of credited svc	ICEA/PERA 1203, ICEA/PERA 612, ICEA/PERA 542:	Immediately	Medical	Medical - N/A	Pre-65: BCBS	fully-insured	10 or more yrs of credited svc - 50 %	N/A	N/A
		10 or more yrs of credited svc		Prescription drug	Prescription drug - N/A	Post-65: Hartford/Benistar	fully-insured	10 or more yrs of credited svc - 50 %	N/A	N/A
		Remaining Library Groups:		Dental - N/A	Dental - N/A	N/A		N/A	N/A	N/A
		10 or more yrs of credited svc		Vision - N/A	Vision - N/A	N/A		N/A	N/A	N/A
				Life Insurance - N/A		N/A		N/A	N/A	N/A
					1		1			
Duty Disability	No age or svc requirement	ICEA/PERA 1203, ICEA/PERA 612, ICEA/PERA 542:	Immediately	Medical	Medical - N/A	Pre-65: BCBS	fully-insured	No age or svc requirement - 50%	N/A	N/A
		No age or svc requirement		Prescription drug	Prescription drug - N/A	Post-65: Hartford/Benistar	fully-insured	No age or svc requirement - 50%	N/A	N/A
		Remaining Library Groups:		Dental - N/A	Dental - N/A	N/A		N/A	N/A	N/A
		10 or more yrs of credited svc		Vision - N/A	Vision - N/A	N/A N/A		N/A	N/A	N/A
				Life Insurance - N/A		N/A		N/A	N/A	N/A
Non-Duty Death-in-Svc	La	1	li nii	7	Medical - N/A	T	Ten	1		21/2
Non-Duty Death-In-SVC	10 or more yrs of credited svc	ICEA/PERA 1203, ICEA/PERA 612, ICEA/PERA 542:	Immediately			Pre-65: BCBS	fully-insured			N/A
		10 or more yrs of credited svc			Prescription drug - N/A Dental - N/A	Post-65: Hartford/Benistar	fully-insured			N/A
		Remaining Library Groups: 10 or more vrs of credited svc			Vision - N/A	N/A N/A				N/A N/A
		10 or more yrs of credited svc			VISION - N/A	IN/A				N/A
Duty Death-in-Svc	No age or svc requirement	ICEA/PERA 1203, ICEA/PERA 612, ICEA/PERA 542:	Immediately	1	Medical - N/A	Pre-65: BCBS	fully-insured			N/A
Duty Death-in-Svc	Benefits begin upon termination of	No age or svc requirement	illillediately		Prescription drug - N/A	Post-65: BCB5 Post-65: Hartford/Benistar				N/A N/A
	Worker's Compensation	Remaining Library Groups:			Dental - N/A	N/A	fully-insured			N/A N/A
	worker's compensation	10 or more yrs of credited svc			Vision - N/A	N/A N/A				N/A N/A
	Modicare Beimbursement is not offered to any memb					L.a				,,,

Medicare Reimbursement is not offered to any members.



[!] Members hired after 3/1/2008.

^{**} Eligible for retirement with a reduced pension.

Bay County Retiree Health Care Plan – Medical Care Facility Summary of the Benefit Provisions as of December 31, 2021

			When do retiree			Retiree			Retiree Share of Cost for	1	
Leaving Employment	Eligibility for	Eligibility for Retiree	health benefits		ided by Employer	Health Care	Type of	Third Party		Spouse (while	Spouse (after
as a Result of	Pension Benefit	Health Benefit	commence?	Retiree	Spouse	Provider(s)	Insurance	Administrator	Retiree	Retiree is alive)	Retiree's death)
					1					1	
Normal/Early Retirement	30 yrs of svc regardless of age	Members Hired Before April 19, 2007:	Immediately	Medical	Medical	BCBSM	self-insured	BCBSM	Medical and Prescription Drug	Medical and Prescription Drug	Medical and Prescription Drug
	Age 55 with 8/10 ⁵ yrs of svc **	Age 55 with 8 yrs of svc		Prescription drug	Prescription drug	BCBSM	self-insured	BCBSM	If retired before 1/15/2010 - None	If retired before 1/15/2010 - None	If retired before 1/15/2010 - None
	Age 55 with 25 ⁺ yrs of svc	Age 60 with 8 yrs of svc	To be eligible for	Dental	Dental	BCBSM	self-insured	BCBSM	If retired after 1/15/2010 - See Below	If retired after 1/15/2010 - See Below	If retired after 1/15/2010 - See Below
	Age 60 with 8/10 ⁵ yrs of svc	30 yrs of svc regardless of age	health insurance	Vision	Vision	BCBSM	self-insured	BCBSM	Dental and Vision	Dental and Vision	Dental and Vision
	Age 62 with 10 [?] yrs of svc	Members Hired After April 19, 2007:	employee must						If retired before 1/1/2001 - N/A,	If retired before 1/1/2001 - N/A,	If retired before 1/1/2001 - N/A,
		Age 55 with 25 yrs of svc	have been FT at						If retired 1/1/2001 - 1/15/2010 - 0%	If retired 1/1/2001 - 1/15/2010 - 0%	If retired 1/1/2001 - 1/15/2010 - 0%
		30 yrs of svc regardless of age	time of retirement.						If retired after 1/15/2010 - See Below	If retired after 1/15/2010 - See Below	If retired after 1/15/2010 - See Below
		Members Hired after January 15,2010:									
		Not eligible for health insurance		Life Insurance		The Hartford	Term	The Hartford	See Schedule H	N/A	N/A
					_						
Deferred Vested Termination	8/10 ⁵ yrs of svc **	N/A	N/A	Medical	Medical	N/A			N/A	N/A	N/A
				Prescription drug	Prescription drug	N/A			N/A	N/A	N/A
				Dental	Dental	N/A			N/A	N/A	N/A
				Vision	Vision	N/A			N/A	N/A	N/A
				Life Insurance	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-Duty Disability	10 or more yrs of credited svc	10 or more vrs of credited svc	Immediately	Medical	Medical	BCBSM	self-insured	БСВСМ	Medical, Prescription Drug,	Medical, Prescription Drug,	Medical, Prescription Drug,
Non-Buty Disability	10 of filore yrs of credited svc	10 of filore yrs of credited svc	IIIIIIeulately	Prescription drug	Prescription drug	BCBSM	self-insured		Dental, and Vision	Dental, and Vision	Dental, and Vision
				Dental	Dental	BCBSM	self-insured		Same as described above	Same as described above	Same as described above
		Members Hired after January 15,2010:		Vision	Vision	BCBSM	self-insured	BCBSM			
		Not eligible for health insurance		Life Insurance		The Hartford	Term	The Hartford	N/A	N/A	N/A
Duty Disability	No age or svc requirement	No age or svc requirement	Immediately	Medical	Medical	BCBSM	self-insured		Medical, Prescription Drug,	Medical, Prescription Drug,	Medical, Prescription Drug,
				Prescription drug	Prescription drug	BCBSM	self-insured		Dental, and Vision	Dental, and Vision	Dental, and Vision
				Dental	Dental	BCBSM	self-insured		Same as described above	Same as described above	Same as described above
		Members Hired after January 15,2010:		Vision	Vision	BCBSM		BCBSM	21/2		21/2
		Not eligible for health insurance		Life Insurance		The Hartford	Term	The Hartford	N/A	N/A	N/A
Non-Duty Death-in-Svc	10 or more yrs of credited svc	10 or more yrs of credited svc	Immediately	1	Medical	BCBSM	self-insured	RCRSM	1		Medical, Prescription Drug,
	20 of more yra or credited svc	20 of more years of credited ave	rediately		Prescription drug	BCBSM	self-insured				Dental, and Vision
		Members Hired after January 15,2010:			Dental	BCBSM	self-insured				Same as described above
		Not eligible for health insurance			Vision	BCBSM	self-insured	BCBSM			
Duty Death-in-Svc	No age or svc requirement	Immediately	Immediately		Medical	BCBSM	self-insured				Medical, Prescription Drug,
	Benefits begin upon termination of				Prescription drug	BCBSM	self-insured				Dental, and Vision
	Worker's Compensation	Members Hired after January 15,2010: Not eligible for health insurance			Dental Vision	BCBSM BCBSM	self-insured self-insured				Same as described above
	Madiana Daimhannan is and off		1		VISION	DCB2IAI	sell-ilisured	DCQ2IAI			

Medicare Reimbursement is not offered to any members.

For pre-Medicare eligible retirees after 1/15/2010, coverage is equivalent to that provided to active employees, including co-pays, deductibles, etc. The retiree share of premiums are determined by the MCF based upon the retiree claims, trend, and future fixed fees. The premium share applicable to calendar year 2020 for retirees utilized the same employer cap, for all plan options, reflecting the retiree paying 100% of the difference between the illustrative rates and the cap.

Employees hired on or after 1/1/2010 are not eligible for health care in retirement. Employees hired on or after 1/1/2010 continue to be eligible for life insurance coverage upon retirement.

Medical Care Facility part-time members do not qualify for retiree health care. They do not have access to the plan; they are only eligible as provided by COBRA.



^{**} Eligible for retirement with a reduced pension

⁺ Members hired before 7/30/2015 only.

^{\$} Members hired on or after 7/30/2015.

⁻ Members hired before 1/1/2018 (4/1/2019 for Div. 22) only.

[?] Members hired on or after 1/1/2018 (4/1/2019 for Div. 22).

Bay County Retiree Health Care Plan – Sheriff's Department Summary of the Benefit Provisions as of December 31, 2021

			When do retiree			Retiree			Retiree Share of Cos	t for
Leaving Employment	Eligibility for	Eligibility for Retiree	health benefits	Coverage Prov	ided by Employer	Health Care	Type of		Spouse (while	Spouse (after
as a Result of	Pension Benefit	Health Benefit	commence?	Retiree	Spouse	Provider(s)	Insurance	Retiree	Retiree is alive)	Retiree's death)
					1			,		1
Normal/Early Retirement	Road Patrol:	Road Patrol:	Immediately	Medical	Medical	BCBS	self-insured	See Schedule A	See Schedule A	See Schedule A
	Age 55 with 8/10* yrs of svc **	Age 55 with 8/10* yrs of svc		Prescription drug	Prescription drug	EHIM	self-insured	See Schedule A	See Schedule A	See Schedule A
	25 yrs of svc regardless of age	25 yrs of svc regardless of age								
	Age 60 with 8/10* yrs of svc	Age 60 with 8/10* yrs of svc								
	Road Patrol Supervisory Unit:	Road Patrol Supervisory Unit:								
	Age 55 with 8/10 [®] yrs of svc **	Age 55 with 8/10 [®] yrs of svc								
	25 yrs of svc regardless of age	25 yrs of svc regardless of age								
	Age 60 with 8/10 [®] yrs of svc	Age 60 with 8/10 [®] yrs of svc								
	Correction Facility Officers:	Correction Facility Officers:								
		•								
	Age 55 with 8/10* yrs of svc **	Age 55 with 8/10* yrs of svc								
	Age 55 with 25 yrs of svc	25 yrs of svc regardless of age								
	25 yrs of svc regardless of age **	Age 60 with 8/10* yrs of svc								
	Age 60 with 8/10* yrs of svc									
Deferred Vested Termination	Road Patrol:	Road Patrol:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	8/10* yrs of svc	N/A								
	Road Patrol Supervisory Unit:	Road Patrol Supervisory Unit:								
	8/10 [®] yrs of svc	N/A								
	Correction Facility Officers:	Correction Facility Officers:								
	8/10* yrs of svc	N/A								
	0/10 VIS 013VC	IN/B								,
Non-Duty Disability	10 or more yrs of credited svc	Road Patrol:	Immediately	Medical	Medical	BCBS	self-insured	See Schedule A	See Schedule A	See Schedule A
	· ·	10 or more yrs of credited svc	,	Prescription drug	Prescription drug	EHIM	self-insured	See Schedule A	See Schedule A	See Schedule A
		Road Patrol Supervisory Unit:								
		10 or more yrs of credited svc								
		Correction Facility Officers:								
		10 or more yrs of credited svc								
			,			•	•			,
Duty Disability	No age or svc requirement	Road Patrol:	Immediately	Medical	Medical	BCBS	self-insured	See Schedule A	See Schedule A	See Schedule A
	, ,	No age or svc requirement	,	Prescription drug	Prescription drug	EHIM	self-insured	See Schedule A	See Schedule A	See Schedule A
		Road Patrol Supervisory Unit:								
		No age or svc requirement								
		Correction Facility Officers:								
		No age or svc requirement								
		ino age of svc requirement								l
Non-Duty Death-in-Svc	10 or more yrs of credited svc	Road Patrol:	Immediately	7	Medical	BCBS	self-insured	1		See Schedule A
Daty Death-in-Svc	10 or more yra or credited ave	10 or more yrs of credited svc	iiiiiieulateiy			EHIM	self-insured			See Schedule A
					Prescription drug	Linivi	sell-lilsuled			See Scriedule A
		Road Patrol Supervisory Unit:								
		10 or more yrs of credited svc								
		Correction Facility Officers:								
		10 or more yrs of credited svc]						
				7				7		
Duty Death-in-Svc	No age or svc requirement	Road Patrol:	Immediately		Medical	BCBS	self-insured			See Schedule A
	Benefits begin upon termination of	No age or svc requirement			Prescription drug	EHIM	self-insured			See Schedule A
	Worker's Compensation	Road Patrol Supervisory Unit:	i							I
	Worker's Compensation									
	worker's compensation	No age or svc requirement								
	worker's compensation									

Medicare Reimbursement is not offered to any members.

Employees hired after 1/1/2012 are not eligible for health care in retirement.



[@] Members hired after 1/1/2006

^{*} Members hired after 1/1/2007

^{**} Eligible for retirement with a reduced pension

Bay County Retiree Health Care Plan – Road Commission Summary of the Benefit Provisions as of December 31, 2021

			When do retiree			Retiree				Retiree Share of Cost fo	r
Leaving Employment	Eligibility for	Eligibility for Retiree	health benefits	Coverage Pro	vided by Employer	Health Care	Type of	Third Party		Spouse (while	Spouse (after
as a Result of	Pension Benefit	Health Benefit	commence?	Retiree	Spouse	Provider(s)	Insurance	Administrator	Retiree	Retiree is alive)	Retiree's death)
	•	•	•	•				•			
Normal/Early Retirement	30 yrs of svc regardless of age	15 yrs of svc regardless of age	Immediately	Medical	Medical	BCBS	self-insured	BCBS	See Below	See Below	See Below
	Age 55 with 8/10* yrs of svc **			Prescription drug	Prescription drug	BCBS	self-insured	BCBS	See Below	See Below	See Below
	Age 60 with 8/10* yrs of svc			Dental	Dental	BCBS	self-insured	BCBS	Yes	Yes	Yes
				Vision	Vision	BCBS	self-insured	BCBS	Yes	Yes	Yes
				Life Insurance		Dearborn National Life	Whole Life		See Schedule G	N/A	N/A
	•	•				•					
Deferred Vested Termination	8 yrs of svc	N/A	N/A	Medical	Medical	N/A			N/A	N/A	N/A
				Prescription drug	Prescription drug	N/A			N/A	N/A	N/A
				Dental	Dental	N/A			N/A	N/A	N/A
				Vision	Vision	N/A			N/A	N/A	N/A
				Life Insurance		N/A	N/A	N/A	N/A	N/A	N/A
Non-Duty Disability	10 or more yrs of credited svc	15 yrs of svc regardless of age	Immediately	Medical	Medical	BCBS	self-insured	BCBS	See Below	See Below	See Below
				Prescription drug	Prescription drug	BCBS	self-insured	BCBS	See Below	See Below	See Below
				Dental	Dental	BCBS	self-insured	BCBS	Yes	Yes	Yes
				Vision	Vision	BCBS	self-insured	BCBS	Yes	Yes	Yes
				Life Insurance		Dearborn National Life	Whole Life		See Schedule G	N/A	N/A
Duty Disability	No age or svc requirement	15 yrs of svc regardless of age	Immediately	Medical	Medical	BCBS	self-insured	BCBS	See Below	See Below	See Below
				Prescription drug	Prescription drug	BCBS	self-insured	BCBS	See Below	See Below	See Below
				Dental	Dental	BCBS	self-insured	BCBS	Yes	Yes	Yes
				Vision	Vision	BCBS	self-insured	BCBS	Yes	Yes	Yes
				Life Insurance		Dearborn National Life	Whole Life		See Schedule G	N/A	N/A
Non-Duty Death-in-Svc	10 or more yrs of credited svc	15 yrs of svc regardless of age	Immediately		Medical	BCBS	self-insured	BCBS			See Below
					Prescription drug	BCBS	self-insured	BCBS			See Below
					Dental	BCBS	self-insured	BCBS			Yes
					Vision	BCBS	self-insured	BCBS			Yes
				,					-		
Duty Death-in-Svc	No age or svc requirement	No age or svc requirement	Immediately		Medical	BCBS	self-insured	BCBS			See Below
	Benefits begin upon termination of				Prescription drug	BCBS	self-insured	BCBS			See Below
	Worker's Compensation				Dental	BCBS	self-insured	BCBS			Yes
					Vision	BCBS	self-insured	BCBS			Yes

Medicare Reimbursement is not offered to any members.

Deferred vested members are not eligible for life insurance.

Employees hired on or after 1/1/2016 are not eligible for health care in retirement. Employees hired on or after 1/1/2016 continue to be eligible for life insurance coverage upon retirement.

Effective 1/1/2016 retiree contributions towards coverage will be the same as active member contributions. At Medicare eligibility, the retiree and/or spouse will be moved to Medicare Advantage or equivalent with no cost.



^{*} Members hired after 1/1/2007.

^{**} Eligible for retirement with a reduced pension.

Schedule A — General County and Sheriff's Department For those hired on or after January 1, 2006

#	Division Name	#	Division Name
14	Circuit Court G.E.L.C	32	Road Patrol Supervisory Unit

For those hired on or after January 1, 2007

#	Division Name	#	Division Name
1	Elected Officials and Dept. Heads	8	USWA General
2	Judges	10	Nurses
3	General County	11	Sheriff's-Road Patrol
4	General Circuit Court	12	Sheriff's Correctional Facility Officers
5	General District Court	13	Dispatchers
6	General Probate Court	15	District Court AFSCME
7	BCAMPS	16	Probate Court USWA

Retiree Health Insurance Premium Contribution

Retiree Health Insurance Coverage - % paid by the employer based on years of service at retirement (subject to eligibility).

Years		Hired	Before Effective Dat	:e		Hired O	n or After Effective	Date
of	Employer	Retiree	Employer Paid	Retiree Paid	Employer	Retiree	Employer Paid	Retiree Paid
Service	Paid (%)	Paid (%)	Spousal Coverage	Spousal Coverage	Paid (%)	Paid (%)	Spousal Coverage	Spousal Coverage
8	85%	15%	50%	50%	N/A	N/A	N/A	N/A
9	85%	15%	50%	50%	N/A	N/A	N/A	N/A
10	85%	15%	50%	50%	55%	45%	0%	100%
11	85%	15%	50%	50%	55%	45%	0%	100%
12	85%	15%	50%	50%	55%	45%	0%	100%
13	85%	15%	50%	50%	55%	45%	0%	100%
14	85%	15%	50%	50%	55%	45%	0%	100%
15	85%	15%	50%	50%	80%	20%	0%	100%
16	85%	15%	50%	50%	80%	20%	0%	100%
17	85%	15%	50%	50%	80%	20%	0%	100%
18	85%	15%	50%	50%	80%	20%	0%	100%
19	85%	15%	50%	50%	80%	20%	0%	100%
20	85%	15%	50%	50%	85%	15%	15%	85%
21	85%	15%	50%	50%	85%	15%	15%	85%
22	85%	15%	50%	50%	85%	15%	15%	85%
23	85%	15%	50%	50%	85%	15%	15%	85%
24	85%	15%	50%	50%	85%	15%	15%	85%
25	85%	15%	50%	50%	85%	15%	40%	60%
26	85%	15%	50%	50%	85%	15%	40%	60%
27	85%	15%	50%	50%	85%	15%	40%	60%
28	85%	15%	50%	50%	85%	15%	40%	60%
29	85%	15%	50%	50%	85%	15%	40%	60%
30	85%	15%	50%	50%	85%	15%	50%	50%
31	85%	15%	50%	50%	85%	15%	50%	50%
32	85%	15%	50%	50%	85%	15%	50%	50%
33	85%	15%	50%	50%	85%	15%	50%	50%
34	85%	15%	50%	50%	85%	15%	50%	50%
35	85%	15%	50%	50%	85%	15%	50%	50%
36	85%	15%	50%	50%	85%	15%	50%	50%
37	85%	15%	50%	50%	85%	15%	50%	50%
38	85%	15%	50%	50%	85%	15%	50%	50%
39	85%	15%	50%	50%	85%	15%	50%	50%
40	85%	15%	50%	50%	85%	15%	50%	50%



Schedule B Department of Water Sewer-Hourly Employees – Division 28 Retiree Health Insurance Premium Contribution

Retiree Health Insurance Coverage - % paid by the employer based on years of service at retirement (subject to eligibility)

Years		Hired	Before January 1, 20	03	Hire	d Between .	January 1, 2003 and .	January 1, 2008		Hire	ed After January 1, 20	008
of	Employer	Retiree	Employer Paid	Retiree Paid	Employer	Retiree	Employer Paid	Retiree Paid	Employer	Retiree	Employer Paid	Retiree Paid
Service	Paid (%)	Paid (%)	Spousal Coverage	Spousal Coverage	Paid (%)	Paid (%)	Spousal Coverage	Spousal Coverage	Paid (%)	Paid (%)	Spousal Coverage	Spousal Coverage
8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10	100%	0%	100%	0%	50%	50%	0%	100%	25%	75%	0%	100%
11	100%	0%	100%	0%	50%	50%	0%	100%	25%	75%	0%	100%
12	100%	0%	100%	0%	50%	50%	0%	100%	25%	75%	0%	100%
13	100%	0%	100%	0%	50%	50%	0%	100%	25%	75%	0%	100%
14	100%	0%	100%	0%	50%	50%	0%	100%	25%	75%	0%	100%
15	100%	0%	100%	0%	100%	0%	0%	100%	50%	50%	0%	100%
16	100%	0%	100%	0%	100%	0%	0%	100%	50%	50%	0%	100%
17	100%	0%	100%	0%	100%	0%	0%	100%	50%	50%	0%	100%
18	100%	0%	100%	0%	100%	0%	0%	100%	50%	50%	0%	100%
19	100%	0%	100%	0%	100%	0%	0%	100%	50%	50%	0%	100%
20	100%	0%	100%	0%	100%	0%	50%	50%	75%	25%	0%	100%
21	100%	0%	100%	0%	100%	0%	50%	50%	75%	25%	0%	100%
22	100%	0%	100%	0%	100%	0%	50%	50%	75%	25%	0%	100%
23	100%	0%	100%	0%	100%	0%	50%	50%	75%	25%	0%	100%
24	100%	0%	100%	0%	100%	0%	50%	50%	75%	25%	0%	100%
25	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	0%	100%
26	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	0%	100%
27	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	0%	100%
28	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	0%	100%
29	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	0%	100%
30	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	0%	100%
31	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	0%	100%
32	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	0%	100%
33	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	0%	100%
34	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	0%	100%
35	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	0%	100%
36	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	0%	100%
37	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	0%	100%
38	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	0%	100%
39	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	0%	100%
40	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	0%	100%



Schedule C Department of Water Sewer-Salary Employees – Division 29 Retiree Health Insurance Premium Contribution

Retiree Health, Dental and Vision Insurance Coverage - % paid by the employer based on years of service at retirement (subject to eligibility)

Years		Hire	d Before June 1, 2007	7		Hi	red After June 1, 200	7
of	Employer	Retiree	Employer Paid	Retiree Paid	Employer	Retiree	Employer Paid	Retiree Paid
Service	Paid (%)	Paid (%)	Spousal Coverage	Spousal Coverage	Paid (%)	Paid (%)	Spousal Coverage	Spousal Coverage
8	100%	0%	100%	0%	N/A	N/A	N/A	N/A
9	100%	0%	100%	0%	N/A	N/A	N/A	N/A
10	100%	0%	100%	0%	25%	75%	0%	100%
11	100%	0%	100%	0%	25%	75%	0%	100%
12	100%	0%	100%	0%	25%	75%	0%	100%
13	100%	0%	100%	0%	25%	75%	0%	100%
14	100%	0%	100%	0%	25%	75%	0%	100%
15	100%	0%	100%	0%	50%	50%	0%	100%
16	100%	0%	100%	0%	50%	50%	0%	100%
17	100%	0%	100%	0%	50%	50%	0%	100%
18	100%	0%	100%	0%	50%	50%	0%	100%
19	100%	0%	100%	0%	50%	50%	0%	100%
20	100%	0%	100%	0%	75%	25%	0%	100%
21	100%	0%	100%	0%	75%	25%	0%	100%
22	100%	0%	100%	0%	75%	25%	0%	100%
23	100%	0%	100%	0%	75%	25%	0%	100%
24	100%	0%	100%	0%	75%	25%	0%	100%
25	100%	0%	100%	0%	100%	0%	0%	100%
26	100%	0%	100%	0%	100%	0%	0%	100%
27	100%	0%	100%	0%	100%	0%	0%	100%
28	100%	0%	100%	0%	100%	0%	0%	100%
29	100%	0%	100%	0%	100%	0%	0%	100%
30	100%	0%	100%	0%	100%	0%	0%	100%
31	100%	0%	100%	0%	100%	0%	0%	100%
32	100%	0%	100%	0%	100%	0%	0%	100%
33	100%	0%	100%	0%	100%	0%	0%	100%
34	100%	0%	100%	0%	100%	0%	0%	100%
35	100%	0%	100%	0%	100%	0%	0%	100%
36	100%	0%	100%	0%	100%	0%	0%	100%
37	100%	0%	100%	0%	100%	0%	0%	100%
38	100%	0%	100%	0%	100%	0%	0%	100%
39	100%	0%	100%	0%	100%	0%	0%	100%
40	100%	0%	100%	0%	100%	0%	0%	100%



Schedule F General County Life Insurance Benefits

	Member	Life Insurance
Division	Retired	Amount
Elected Officials		
Department Heads		
Judges		
General County	3/1/1998 to 1/1/2023	
General Circuit Court	3/1/1996 (0 1/1/2025	\$10,000
General District Court		\$10,000
General Probate Court		
BCAMPS*		
USWA General*	1/1/2010 to 1/1/2022	
Probate Court USWA*	1/1/2010 to 1/1/2023	

^{*} Employees in BCAMPS, USWA General, and Probate Court USWA hired after 1/1/2020 are not eligible for life insurance in retirement.

Schedule G Road Commission Life Insurance Benefits

	Member	Life Insurance
Division	Retired	Amount
AFSCME	Prior to 1/31/1989	\$ 1,000
	2/1/1989 to 1/31/1998	2,500
	2/1/1998 to 1/31/2008	5,000
	2/1/2008 to Present	10,000
Administrative Employees	Prior to 1/1/2007	5,000
	1/1/2007 to Present	10,000
Commissioners	1/1/2007 to Present	10,000

Employees hired on or after 1/1/2016 continue to be eligible for life insurance coverage upon retirement.



Schedule H Medical Care Facility Life Insurance Benefits

Member	Life Insurance				
Retired	Amount				
Prior to 1/1/1975	\$ 0				
1/1/1975 to 12/31/1995	2,500				
1/1/1996 to 12/31/1998	3,500				
1/1/1999 to Present	5,000				

Employees hired on or after 1/1/2010 continue to be eligible for life insurance coverage upon retirement.

Schedule I

DWS Salaried Members Only
Life Insurance Benefits

Member	Life Insurance				
Retired	Amount				
Prior to 3/13/2008	\$ 5,000				
On 3/13/2008	20,000				
3/14/2008 to Present	10,000				





SUMMARY OF VALUATION DATA

Bay County Retiree Health Care Plan – General County Active Members as of December 31, 2021 by Age and Years of Service*

	Years of Service to Valuation Date					Totals		
	0.4	5 0	40.44	45.40	20.24	25 20	20.51	N.
Age	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.
20-24	7							7
25-29	13							13
30-34	22	19	1	1				43
35-39	12	12	1	2				27
40-44	15	14	10	9	2			50
45-49	14	9	4	3	10			40
50-54	10	8	1	10	17	5	1	52
55-59	1	10	8	6	12	8	3	48
60-64	1	8	3	4	10	4	4	34
65 & Over	1	1		4	2			8
Totals	96	81	28	39	53	17	8	322

^{*} Excludes 76 part-time employees and 24 employees not eligible for health care or life insurance coverage in retirement

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

Age: 46.6 years Service: 11.7 years



Bay County Retiree Health Care Plan – DWS Active Members as of December 31, 2021 by Age and Years of Service

	Years of Service to Valuation Date					Totals		
Age	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.
15-19								
20-24	3							3
25-29	1	1						2
30-34	5	1						6
35-39		3	1					4
40-44	6	4	3					13
45-49	2	3	3		1			9
50-54	3	3					1	7
55-59	2	2	1	3	1	1		10
60-64	1	2						3
65 & Over		1						1
Totals	23	20	8	3	2	1	1	58

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

Age: 45.2 years **Service:** 7.9 years



Bay County Retiree Health Care Plan – Library Active Members as of December 31, 2021 by Age and Years of Service

	Years of Service to Valuation Date					Totals		
Age	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.
20-24	1							1
25-29	2							2
30-34	1	1						2
35-39	3	1	1					5
40-44	3	1	3		1			8
45-49								
50-54	1	1	3		2			7
55-59	1	3	1	1	1	1		8
60-64				2	3			5
65 & Over				1	1			2
Totals	12	7	8	4	8	1		40

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

Age: 48.7 years Service: 11.5 years



Bay County Retiree Health Care Plan – Medical Care Facility Active Members as of December 31, 2021 by Age and Years of Service*

		Years of Service to Valuation Date						Totals
Age	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.
15-19	1							1
20-24	8							8
25-29	11	9						20
30-34	8	11	7					26
35-39	9	7	8	3				27
40-44	4	4	5	3	4			20
45-49	14	3	8	2	6	6	1	40
50-54	11	3	4		3	1	1	23
55-59	8	4	4	3	4		1	24
60-64	2	4	3	4	1		1	15
65 & Over								
Totals	76	45	39	15	18	7	4	204

^{*} Excludes 125 part-time employees.

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

Age: 43.1 years Service: 10.0 years



Bay County Retiree Health Care Plan – Sheriff's Department Active Members as of December 31, 2021 by Age and Years of Service*

		Years of Service to Valuation Date						Totals
Age	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.
20-24								
25-29								
30-34		1						1
35-39		1	3	1				5
40-44			2	6	2			10
45-49			2		6			8
50-54				2	7	1		10
55-59						1		1
60-64								
65 & Over							2	2
Totals	_	2	7	9	15	2	2	37

^{*} Excludes 47 employees not eligible for health care coverage in retirement

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

Age:46.8yearsService:20.1years



Bay County Retiree Health Care Plan – Road Commission Active Members as of December 31, 2021 by Age and Years of Service

		Years of Service to Valuation Date						Totals
A	0.4	5 0	10.14	45 40	20.24	25 20	20 Dl	N. a
Age	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.
20-24	2							2
25-29								
30-34	1	1	1					3
35-39	1	4	2	1				8
40-44	1	4						5
45-49	1	1	2	1				5
50-54	2	4	2	2		7		17
55-59		1		1	2	2	1	7
60-64				3		4		7
65 & Over	2					1		3
Totals	10	15	7	8	2	14	1	57

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

Age: 49.0 years Service: 13.9 years



Bay County Retiree Health Care Plan – Excluding BABH Inactive Members as of December 31, 2021

Number of Retiree and Beneficiary Contracts

	Opt-Out/	One-Person	Two-Person	
	Ineligible	Coverage ¹	Coverage ^{2,3}	Total
Male	80	99	116	295
Female	203	291	134	628
Total	283	390	250	923

¹ Includes individuals with life insurance only.

³ Includes family coverage.

		Current Retirees								
		Number of Those Covered*								
	General			Medical Care	Sheriff's	Road				
Age	County	DWS	Library	Facility	Dept	Commission	Total			
0-44							0			
45-49	1	1		1	2		5			
50-54	2	3		3	5	1	14			
55-59	15	2	1	16	8	10	52			
60-64	42	7		38	4	14	105			
65-69	54	13	7	36	14	15	139			
70-74	59	7	4	45	11	14	140			
75-79	33	5	1	27	7	12	85			
80-84	21	2	1	12	2	8	46			
85-89	9		2	11	5	8	35			
90-94	3		1	5	1	5	15			
95 +	2		1			1	4			
Totals	241	40	18	194	59	88	640			

^{*} There are 62 retired members that only receive life insurance coverage that are included in the covered counts.

There are no terminated members eligible for deferred Plan benefits.



² Includes individuals with dental and/or vision coverage only.

Bay County Retiree Health Care Plan – Excluding BABH Reported Financial Information (Market Value)

	Dece	mber 31, 2020	December 31, 2021	
Additions				
Contributions				
Employer	\$	2,245,155	\$	2,600,608
Nonemployer Contributing Entities		0		0
Active Employees		0		0
Member		0		0
Total Contributions	\$	2,245,155	\$	2,600,608
Investment Income				
Total Investment Income	\$	8,186,592	\$	7,457,614
Less Investment Expense		(100,814)		(116,883)
Net Investment Income	\$	8,085,778	\$	7,340,731
Other Miscellaneous Income	\$	0_	\$	0
Total Additions	\$	10,330,933	\$	9,941,339
Deductions				
Health Benefit Payments and Refunds	\$	0	\$	0
OPEB Plan Administrative Expense		74,644		56,669
Total Deductions	\$	74,644	\$	56,669
Net Increase in Net Position	\$	10,256,289	\$	9,884,670
Net Position Restricted for OPEB				
Beginning of Year	\$	46,052,050	\$	56,308,339
Audit Adjustment		0		0
End of Year	\$	56,308,339	\$	66,193,009





Actuarial Cost Method. Normal cost and the allocation of benefit values between service rendered before and after the valuation date was determined using an **Individual Entry-Age Actuarial Cost Method** having the following characteristics:

- The annual normal cost for each individual active member, payable from the date of employment to the date of retirement, is sufficient to accumulate the value of the member's benefit at the time of retirement; and
- (ii) Each annual normal cost is a constant percentage of the member's year by year projected covered pay.

Actuarial gains (losses), as they occur, reduce (increase) the Unfunded Actuarial Accrued Liability.

Financing of Unfunded Actuarial Accrued Liabilities. Unfunded Actuarial Accrued Liabilities (UAAL) (full funding credit if assets exceed liabilities) were amortized as a level percent of payroll for DWS and as a level dollar amount for all other groups. The UAAL was determined using the actuarial value of assets and actuarial accrued liability calculated as of the valuation date and projected to the beginning of the fiscal year at the assumed rate of investment return.

Actuarial Value of Assets. The Actuarial Value of Assets is set equal to the reported market value of assets. The County reported the asset split between the various groups.

Amortization Factors. The following amortization factors were used in developing the Actuarially Determined Contribution for the fiscal years shown:

	Fiscal Year Endi	ng December 31,
	2024	2025
General County (Level Dollar)	10.4072	10.1011
DWS (Level Percent of Pay)	13.0732	12.5459
Library (Level Dollar)	10.4072	10.1011
Medical Care Facility (Level Dollar)	9.7736	9.4231
Sheriff's Department (Level Dollar)	10.4072	10.1011
Road Commission (Level Dollar)	6.1779	5.5758



The rationale for all assumptions except the investment return, which was investigated separately and changed by the Board in fall 2018, used in this valuation is included in the five-year experience study ending December 31, 2015, issued August 1, 2017. All assumptions are expectations of future experience, not market measures.

Investment Return (net of investment expenses): 7.00% a year, compounded annually.

Rates of price inflation are not specifically used for this valuation. However, a rate of price inflation of 2.50% would be consistent with other assumptions in this report. This assumption was first adopted for the December 31, 2016 pension actuarial valuation.

Pay Projections. These assumptions are used to project current pays to those upon which future contributions will be based. In addition to the Merit and Longevity rates shown in the table, members are also assumed to receive a base increase of 3.25%.

Annual Rate of Pay Increase for Merit & Longevity

_						
Years of	6	DMC	1.95	B 4 6 F	Ch - : (til -	Road
Service	General	DWS	Library	MCF	Sheriff's	Commission
1	3.00 %	3.00 %	3.00 %	0.50 %	5.25 %	5.25 %
2	2.25	2.25	2.25	0.50	4.50	3.00
3	1.50	1.50	1.50	0.50	4.50	3.00
4	1.50	1.50	1.50	0.50	3.75	3.00
5	0.75	0.75	0.75	0.50	3.00	0.75
6+	0.75	0.75	0.75	0.50	0.75	0.75

If the number of active members remains constant, the total active member payroll will increase by about the level of pay inflation (assumed to be 3.25% per year). This increasing payroll was recognized in amortizing unfunded actuarial accrued liabilities for the active employees of the DWS. The payroll growth assumptions were first adopted for the December 31, 2016 pension actuarial valuation.



Mortality. The mortality rates utilized are based upon the RP-2014 tables, as extended, and include a margin for future mortality improvements projected using a fully generational improvement scale. The mortality assumptions were first adopted for the December 31, 2016 pension actuarial valuation. The tables used were as follows:

- **Healthy Pre-Retirement:** The RP-2014 Employee Generational Mortality Table, with blue-collar adjustments and extended via cubic spline. This table is adjusted backwards to 2006 with the MP-2014 scale, resulting in a base year of 2006 with future mortality improvements assumed each year using scale MP-2016.
- **Healthy Post-Retirement:** The RP-2014 Healthy Annuitant Generational Mortality Table, with blue-collar adjustments and extended via cubic spline. This table is adjusted backwards to 2006 with the MP-2014 scale, resulting in a base year of 2006 with future mortality improvements assumed each year using scale MP-2016.
- **Disability Retirement:** The RP-2014 Disabled Mortality Table, extended via cubic spline. This table is adjusted backwards to 2006 with the MP-2014 scale, resulting in a base year of 2006 with future mortality improvements assumed each year using scale MP-2016.

Sample	Healthy Pre-Retirement Future Life Expectancy (Years)^		Futur	t-Retirement re Life cy (Years)^	Disabled Retirement Future Life Expectancy (Years)^	
Ages	Men	Women	Men	Women	Men	Women
50	35.24	40.46	33.78	36.79	25.01	29.43
55	30.19	35.35	28.99	31.85	21.82	25.56
60	25.33	30.34	24.41	27.11	18.71	21.94
65	20.81	25.46	20.10	22.58	15.75	18.45
70	16.69	20.73	16.12	18.29	12.94	15.04
75	12.92	16.20	12.49	14.31	10.29	11.85
80	9.52	11.92	9.30	10.76	7.87	9.07

[^] Based on retirements in 2021. Retirements in future years will reflect improvements in life expectancy.



The rates of retirement used to measure the probability of eligible members retiring during the next year were as follows:

	Pe	rcent of A	tive Members	Retiring wit	hin Next Yea	ır
Retirement						Road
Ages	General	DWS	Library	MCF	Sheriff's	Commission
50				20 %		20 %
51				20		20
52				20		30
53				20		30
54				20		30
55	20 %	25 %	15 %	30		30
56	13	20	10	40		20
57	13	20	10	50		20
58	13	20	10	50		20
59	13	20	10	50		20
60	30	35	25	30	15 %	20
61	25	30	20	30	15	20
62	13	20	10	50	30	40
63	13	20	10	25	15	40
64	13	20	10	25	15	40
65	30	35	25	100	100	100
66	13	20	10			
67	13	20	10			
68	13	20	10			
69	13	20	10			
70	100	100	100			

The following table shows the rates used for the Road Patrol and Road Patrol Supervisory Unit, and Elected Officials and Department Heads: Elected Sheriff and Appointed Undersheriff 25 & Out provision and the Correctional Facility Officers 55 & 25 provision.

	25 & Out		<u>55 & 25</u>		
Years of Service	Sheriff's Road Patrol, Road Patrol Supervisory Unit, and Elected Sheriff and Appointed Undersheriff	Age	Correctional Facility Officers		
25	35 %	55	35 %		
26	35	56	35		
27	35	57	35		
28	25	58	25		
29	25	59	25		
30	25	60	25		
31	25	61	25		
32	25	62	25		
33	25	63	25		
34	100	64	100		



The following table shows the rates for the 55 & 8 and/or 55 & 10 Early Retirement provision:

55 & 8 and/or 55 & 10 Early Retirement*

Retirement	•		All Other
Ages	General	DWS	Groups
55	8 %	15 %	5 %
56	8	15	5
57	8	15	5
58	8	15	5
59	8	15	5
60	8	15	5
61	8		

^{*} These rates do not apply to Medical Care Facility, Sheriff's Department, and Road Commission.

The retirement assumptions were first adopted for the December 31, 2016 pension actuarial valuation.



Rates of Disability. These rates represent the probabilities of active members becoming disabled. This assumption was first adopted for the December 31, 2016 pension actuarial valuation.

	Percent Becoming Disabled					
	within Next Year					
Sample		All Other				
Ages	Sheriff's	Groups				
20	0.15 %	0.07 %				
25	0.15	0.07				
30	0.15	0.07				
35	0.15	0.07				
40	0.38	0.19				
45	0.50	0.25				
50	0.92	0.46				
55	1.67	0.84				
60	2.65	1.33				

We assumed that 50% of disabilities are duty related and 50% are non-duty related for Sheriff's. For all other groups we assumed 85% of disabilities are non-duty related and 15% are duty related.

Rates of Separation from Active Membership. These rates do not apply to members eligible to retire and do not include separation on account of death or disability. This assumption measures the probabilities of members remaining in employment. This assumption was first adopted for the December 31, 2016 pension actuarial valuation.

% of Active Members
Separating within Next Year

	Separating within Next Year							
Sample	Years of	General			Med. Care	Sheriff's	Road	
Ages	Service	County	DWS	Library	Facility	Department*	Commission*	
ALL	0	15.00%	9.00%	8.25%	26.25%	N/A	N/A	
	1	9.00	5.40	4.95	26.25	N/A	N/A	
	2	9.00	5.40	4.95	15.75	N/A	N/A	
	3	8.00	4.80	4.40	13.13	N/A	N/A	
	4	8.00	4.80	4.40	9.19	N/A	N/A	
20	5 & Over	7.50	4.50	4.13	7.88	4.50%	4.50%	
25		7.50	4.50	4.13	7.88	4.50	4.50	
30		7.00	4.20	3.85	5.25	3.75	3.90	
35		7.00	4.20	3.85	5.25	2.25	2.30	
40		4.00	2.40	2.20	3.94	1.50	0.90	
45		3.00	1.80	1.65	2.63	1.50	0.50	
50		2.00	1.20	1.10	2.10	1.25	0.50	
55		2.00	1.20	1.10	2.10	0.75	0.50	
60		2.00	1.20	1.10	2.10	0.75	0.50	

^{*} These groups do not have service-based rates of separation. All rates of separation are based on age.



The Medical Care Facility and Road Commission future retiree cost shares were developed based on the calendar year 2023 cost shares and the plan election of the current retiree population of each applicable group. The developed future retiree cost shares valued are as follows.:

	Future Retiree Cost Share					
	Pre	e-65	Post-65			
Group	One-Person	Two-Person	One-Person	Two-Person		
Medical Care Facility	\$181.79	\$377.78	\$0.00	\$0.00		
Road Commission	14.58	127.48	0.00	0.00		

The Medical Care Facility current retiree cost share was developed based on the calendar year 2023 cost shares and the plan election of the retirees currently responsible for a portion of their retiree health care coverage. The developed cost shares valued are as follows:

	Current Retiree Cost Share					
	Pre	e-65	Post-65			
Group	One-Person	Two-Person	One-Person	Two-Person		
Medical Care Facility	\$185.06	\$447.14	\$0.00	\$0.00		

The Road Commission current retiree cost share was valued as reported, during the data collection process, for each individual current retiree.

All retiree cost shares are projected based on the valuation trend noted in Section B.



Miscellaneous and Technical Assumptions for Bay County Retiree Health Care Plan – Excluding BABH as of December 31, 2021

Administrative Expenses No explicit assumption has been made for administrative expenses.

Decrement Operation Disability and death-in-service decrements do not operate during the first 5

years of service. Disability and withdrawal do not operate during retirement

eligibility.

Decrement Timing Decrements of all types are assumed to occur mid-year.

Eligibility Testing Eligibility for benefits is determined based upon the age nearest birthday

and service nearest whole year on the date the decrement is assumed to

occur.

Incidence of Contributions Contributions are assumed to be received continuously throughout the year

based upon the contributions shown in this report.

Marriage Assumption 100% of males and 100% of females are assumed to be married for purposes

of death-in-service benefits. Male spouses are assumed to be three years

older than female spouses.

Medicare Coverage Assumed to be available for all covered employees on attainment of age 65.

Disabled retirees were assumed to be eligible for Medicare coverage at age

65.

Part-Time Employees Part-time employees are not eligible for retiree health care benefits even if

they are eligible for benefits from the Retirement System. Part-time

employees were excluded from the valuation.

Opt-In Assumption Certain General and Sheriff retirees opted-out of the retiree health care

program. These retirees may opt back into the program at a future date. We assumed that 10% of these retirees would opt back into the program.

Health Care Coverage

at Retirement

The table below shows the assumed portion of future retirees electing oneperson or two-person/family coverage, or opting-out of coverage entirely. For those that elect two-person coverage, the assumption regarding the percentage of retirees that would continue coverage to the spouse upon

death of the retiree is also shown.

							Continuation	
Group	One-P	Person	Two-Person/Family		Opt-Out		Percentage to Spouse	
	Males	Females	Males	Females	Males	Females	Males	Females
General County	45.00%	45.00%	40.00%	40.00%	15.00%	15.00%	80.00%	80.00%
DWS	25.00%	25.00%	75.00%	75.00%	0.00%	0.00%	100.00%	100.00%
Library	90.00%	90.00%	0.00%	0.00%	10.00%	10.00%	0.00%	0.00%
Medical Care Facility	30.00%	30.00%	65.00%	65.00%	5.00%	5.00%	100.00%	100.00%
Sheriff's Department	45.00%	45.00%	40.00%	40.00%	15.00%	15.00%	80.00%	80.00%
Road Commission	5.00%	5.00%	95.00%	95.00%	0.00%	0.00%	100.00%	100.00%





HISTORICAL FUNDED RATIO INFORMATION

Historical Funded Ratio

Actuarial Valuation Date December 31	Actuarial Value of Assets ¹ (a)	Actuarial Accrued Liability (AAL) Entry Age (b)	Unfunded (Overfunded) AAL (b)-(a)	Funded Ratio (a)/(b)	Present Value of Future Benefits (c)
2015 ²	\$ 28,049,378	\$ 164,083,657	\$ 136,034,279	17.1 %	\$193,206,056
2017	34,939,774	125,410,425	90,470,651	27.9 %	138,019,045
2018	36,415,168	128,011,541	91,596,373	28.4 %	140,270,835
2019	46,052,050	95,692,093	49,640,043	48.1 %	104,901,419
2021	66,193,009	72,075,733	5,882,724	91.8 %	79,300,149

¹⁾ The Actuarial Value of Assets is set equal to the Market Value of Assets.



²⁾ Results based on 5.00% rate of investment return.

APPENDIX B

GLOSSARY

Glossary

Accrued Service. The service credited under the plan which was rendered before the date of the actuarial valuation.

Actuarial Accrued Liability. The difference between (i) the actuarial present value of future plan benefits, and (ii) the actuarial present value of future normal cost. Sometimes referred to as "accrued liability" or "past service liability."

Actuarial Assumptions. Estimates of future plan experience with respect to rates of mortality, disability, turnover, retirement, rate or rates of investment income and salary increases. Decrement assumptions (rates of mortality, disability, turnover and retirement) are generally based on past experience, often modified for projected changes in conditions. Economic assumptions (salary increases and investment income) consist of an underlying rate in an inflation-free environment plus a provision for a long-term average rate of inflation.

Actuarial Cost Method. A mathematical budgeting procedure for allocating the dollar amount of the "actuarial present value of future plan benefits" between the actuarial present value of future normal cost and the actuarial accrued liability. Sometimes referred to as the "actuarial funding method."

Actuarial Equivalent. A single amount or series of amounts of equal value to another single amount or series of amounts, computed on the basis of the rate(s) of interest and mortality tables used by the plan.

Actuarial Present Value. The amount of funds presently required to provide a payment or series of payments in the future. It is determined by discounting the future payments at a predetermined rate of interest, taking into account the probability of payment.

Actuarially Determined Contribution. The Actuarially Determined Contribution is the normal cost plus the portion of the unfunded actuarial accrued liability to be amortized in the current period. The Actuarially Determined Contribution is an amount that is actuarially determined so that, if paid on an ongoing basis, it would be expected to provide sufficient resources to fund both the normal cost for each year and the amortized unfunded actuarial accrued liability.

Amortization. Paying off an interest-bearing liability by means of periodic payments of interest and principal, as opposed to paying it off with a lump sum payment.

Governmental Accounting Standards Board (GASB). GASB is the private, nonpartisan, nonprofit organization that works to create and improve the rules U.S. state and local governments follow when accounting for their finances and reporting them to the public.

Implicit Rate Subsidy. It is common practice for employers to allow retirees to continue in the employer's group health insurance plan (which also covers active employees), often charging the retiree some portion of the premium charged for active employees. Under the theory that retirees have higher utilization of services, the difference between the true cost of providing retiree coverage and what the retiree is being charged is known as the implicit rate subsidy.



Glossary

Medical Trend Rate (Health Care Inflation). The increase in the cost of providing health care benefits over time. Trend includes such elements as pure price inflation, changes in utilization, advances in medical technology, and cost shifting.

Normal Cost. The annual cost assigned, under the actuarial funding method, to current and subsequent plan years. Sometimes referred to as "current service cost." Any payment toward the unfunded actuarial accrued liability is not part of the normal cost.

Other Postemployment Benefits (OPEB). OPEB are postemployment benefits other than pensions. OPEB generally takes the form of health insurance, dental, vision, prescription drugs, life insurance or other health care benefits.

Reserve Account. An account used to indicate that funds have been set aside for a specific purpose and are not generally available for other uses.

Unfunded Actuarial Accrued Liability. The difference between the actuarial accrued liability and valuation assets. Sometimes referred to as "unfunded actuarial accrued liability."

Valuation Assets. The value of current plan assets recognized for valuation purposes.

