

**BERLIN WATER WORKS**  
**Financial Statements**  
**June 30, 2021**  
**and**  
**Independent Auditor's Report**

**BERLIN WATER WORKS  
FINANCIAL STATEMENTS  
June 30, 2021**

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## **INDEPENDENT AUDITOR'S REPORT**

To the Board of Water Commissioners of the  
Berlin Water Works

### **Report on the Financial Statements**

We have audited the accompanying financial statements of the business-type activities of the Berlin Water Works (a component unit of the City of Berlin, New Hampshire), as of and for the year ended June 30, 2021, and the related notes to the financial statements, which collectively comprise the Berlin Water Works' basic financial statements as listed in the table of contents.

### ***Management's Responsibility for the Financial Statements***

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

### ***Auditor's Responsibility***

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

## ***Opinion***

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the business-type activities of the Berlin Water Works, as of June 30, 2021, and the respective changes in financial position and cash flows thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.

## ***Other Matters***

### *Required Supplementary Information*

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis, schedule of changes in Berlin Water Works' proportionate share of the net OPEB liability, schedule of Berlin Water Works OPEB contributions, schedule of changes in Berlin Water Works' total OPEB liability and related ratios, schedule of changes in Berlin Water Works' proportionate share of the net pension liability, and schedule of Berlin Water Works pension contributions on pages i-vi and 21-26 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

*Vachon Clukay & Company PC*

Manchester, New Hampshire  
May 13, 2022

**BERLIN WATER WORKS  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
FISCAL YEAR ENDING JUNE 30, 2021**

**THE FINANCIAL STATEMENTS AND REPORTING ENTITY**

**The Financial Statements**

The financial statements presented herein include all of the activities of the Berlin Water Works using the integrated approach as prescribed by GASB Statement #34.

The financial statements present the financial picture of the Berlin Water Works from the economic resources measurement focus using the accrual basis of accounting. These statements include all assets (including infrastructure) and deferred outflows of resources of the Berlin Water Works, as well as all liabilities (including long-term obligations) and deferred inflows of resources.

The Berlin Water Works is a component unit of the City of Berlin (City). Berlin Water Works is reported as a business-type activity whereas it charges a user fee to customers to cover the cost of services it provides.

The Berlin Water Works is governed by a Board of Water Commissioners, appointed by the Mayor of the City of Berlin. Berlin Water Works primary function is to provide water services for residential, commercial, industrial and industrial entities for the City.

**REPORTING THE BERLIN WATER WORKS AS A WHOLE**

**The Statement of Net Position and the Statement of Revenues, Expenses and Changes in Net Position**

The Statement of Net Position and Statement of Revenues, Expenses and Changes in Net Position report information about the Berlin Water Works as a whole and about its activities. These statements include *all* assets, deferred outflows of resources, liabilities, and deferred inflows of resources of the Berlin Water Works using the accrual basis of accounting, which is similar to the accounting used by most private-sector companies. All of the current year's revenues and expenses are taken into account regardless of when the cash is received or paid.

The two statements report the Berlin Water Works' net position and changes in them. Net position is the difference between assets and deferred outflows of resources, less liabilities and deferred inflows of resources, one way to measure the Berlin Water Works' financial health, or financial position. Over time, increases or decreases in the Berlin Water Works' net position are one indicator of whether its financial health is improving or deteriorating. Other factors to consider are changes in the Berlin Water Works' customer base and condition of the Berlin Water Works infrastructure.

**BERLIN WATER WORKS  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
FISCAL YEAR ENDING JUNE 30, 2021**

Net Position of the Berlin Water Works as of June 30, 2021 and 2020 are as follows:

|  | <u>2021</u>          | <u>2020</u>          |
|--|----------------------|----------------------|
| Capital and other assets:                          |                      |                      |
| Capital assets, net                                | \$ 37,368,075        | \$ 38,289,369        |
| Other assets                                       | <u>2,816,769</u>     | <u>3,509,352</u>     |
| Total assets                                       | <u>40,184,844</u>    | <u>41,798,721</u>    |
| Deferred outflows of resources:                    |                      |                      |
| Deferred outflows of resources related to OPEB     | 70,622               | 66,505               |
| Deferred outflows of resources related to pensions | <u>278,836</u>       | <u>121,015</u>       |
| Total deferred outflows of resources               | <u>349,458</u>       | <u>187,520</u>       |
| Long-term and other liabilities:                   |                      |                      |
| Long-term liabilities                              | 7,524,420            | 10,466,309           |
| Other liabilities                                  | <u>73,287</u>        | <u>153,729</u>       |
| Total liabilities                                  | <u>7,597,707</u>     | <u>10,620,038</u>    |
| Deferred inflows of resources:                     |                      |                      |
| Deferred inflows of resources related to OPEB      | 72,731               | 3,418                |
| Deferred inflows of resources related to pensions  | <u>107,864</u>       | <u>188,112</u>       |
| Total deferred inflows of resources                | <u>180,595</u>       | <u>191,530</u>       |
| Net position:                                      |                      |                      |
| Net investment in capital assets                   | 31,261,490           | 29,152,490           |
| Unrestricted                                       | <u>1,494,510</u>     | <u>2,022,183</u>     |
| Total net position                                 | <u>\$ 32,756,000</u> | <u>\$ 31,174,673</u> |

The change in net position for the fiscal years ended June 30, 2021 and 2020 are follows:

|                                   | <u>2021</u>         | <u>2020</u>        |
|-----------------------------------|---------------------|--------------------|
| Operating revenues                | \$ 2,638,755        | \$ 2,813,290       |
| Operating expenses                | <u>(2,761,695)</u>  | <u>(2,803,663)</u> |
| Net operating profit (loss)       | <u>(122,940)</u>    | <u>9,627</u>       |
| Non-operating revenues            | 3,049               | 26,998             |
| Non-operating expenses            | <u>(166,801)</u>    | <u>(212,778)</u>   |
| Loss before capital contributions | <u>(286,692)</u>    | <u>(176,153)</u>   |
| Capital contributions             | <u>1,868,019</u>    | <u>117,744</u>     |
| Change in net position            | <u>\$ 1,581,327</u> | <u>\$ (58,409)</u> |

Total net position increased by \$1,581,327 or (5.1%) for fiscal year 2021. Unrestricted net position decreased by (\$527,673) or -26.1% in 2021.

**BERLIN WATER WORKS  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
FISCAL YEAR ENDING JUNE 30, 2021**

**BERLIN WATER WORKS ACTIVITIES**

As shown in the Statement of Revenues, Expenses and Changes in Net Position, the revenue earned from users of the system were \$2,638,755 and \$2,813,290 for fiscal years 2021 and 2020, respectively. For fiscal year 2021 this represents a 6.2% decrease from the prior year. Capital contributions for the fiscal years 2021 and 2020 were \$1,868,019 and \$117,744 respectively. For fiscal year 2021 this represents an increase of 1,486% from the prior year, mainly the result of receiving principal forgiveness on the consolidation of existing debt obligations. Operating expenses experienced were \$2,761,695 and \$2,803,663 for fiscal years 2021 and 2020, respectively. For fiscal year 2021 this represents a 1.5% decrease from the prior year.

**Cash Management**

Cash represents cash on hand and cash deposits maintained by the Berlin Water Works. The funds are invested in the state investment pool, certificates of deposit, and savings accounts to maximize returns and maintain timely availability to meet the debt payment schedule.

**Capital Assets**

The capital assets of the Berlin Water Works are those assets, which are used in the performance of Berlin Water Works daily operations, including infrastructure assets. At June 30, 2021 and 2020, net capital assets of the Berlin Water Works totaled \$37,368,075 and \$38,289,369, respectively. See Note 3 in the Notes to the Basic Financial Statements for a summary of all capital assets activity.

**Debt Administration**

Debt, considered a liability of business-type activities, decreased in total for fiscal year 2021 by \$3,030,294. This consisted of scheduled payments and principal forgiveness on the existing notes of \$1,898,716, drawdowns of \$96,511 on the State of New Hampshire revolving loan program, and principal forgiveness on the consolidation of existing notes of \$1,311,627, which was offset by \$83,538 of interest accrued into the new debt obligation. See Note 4 in the Notes to the Basic Financial Statements for additional information on the long-term obligations of the Berlin Water Works.

**SIGNIFICANT ACCOMPLISHMENTS OF BWB FOR FISCAL YEAR 2021**

A \$1,500,000 NHSRL #12 was awarded to Berlin Water Works on November 22, 2017. The proposed work is to continue planned water main replacement of vintage 1890 through 1930's unlined 6" and 8" diameter cast iron pipe. The water main replaced will be the highest failure rate water main in the BWB Distribution System based on our records. Running water Customers will also be addressed by lowering and insulating service lines to prevent freezing. Most of the proposed scope streets have stamped design drawings from previously funded projects. BWB has completed water main work on Twelfth Street from Sweden Street to Nansen Street. BWB has also completed work on Willard Street between Hillside Ave and School Street and on High Street between Emery Street and Pleasant Street. Berlin Water Works expended the full \$1,500,000 by June 30, 2020 and received its last "force account" payment August 10, 2020 in the amount of \$96,511.08. This was the amount used to balance the FY21 Budget.

The Berlin Water Works permanent staffing is at 12 full time positions. The temporary employees were increased to 3 temps plus 4 summer employees to support "force account" construction. Starting in 2013,

**BERLIN WATER WORKS  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
FISCAL YEAR ENDING JUNE 30, 2021**

the total Temporary labor was reduced by plan as funding availability decreases. The manning level will decrease for the next year as NHSRL funded projects are completed. (FY21 & FY22 Budget --- 3 Students, 3 Part time temps & 2 full time temps.)

Berlin Water Works continued to pass the lead and copper water sampling compliance regulations set forth by the NHDES for the 10<sup>th</sup> consecutive round of testing. The overall average lead and copper sample levels have dropped to new low levels. Water sampling will continue to monitor lead and copper levels. The next round of testing is scheduled for September 2022.

**In FY 21, Berlin Water Works continued its path forward to pay down debt on its State Revolving Loans. In October, BWB managed to pay off SRL #06 (\$310,481.08) and SRL #09 (\$457,907.91) for a total amount of \$768,388.99 for a savings of approximately \$162k.**

Continuing our efforts, BWB refinanced its remaining SRL's with Northway Bank. The remaining for Principal, Interest and Fees with the State totaled \$7,726,978.30. The early pay-off amount was \$6,446,657.18 for the following: State Revolving Loans #07 (11 yearly payments remaining), SRL #08 (14 years remaining), SRL #10 (16 years remaining), SRL #11 (12 years remaining) and the newly closed SRL 12 (20 years remaining). With assistance from the State for pay-off and Northway Bank to refinance, Berlin Water Works decided on a 10 year term loan at 2.25%. Prior to closing our new loan, BWB applied \$200k toward the principal. We refinanced the \$6,446,657.18 and with interest our new debt is \$7,192,781.20. This is a total overall savings of \$534,197.10.

BWB has built an access road for the school dept. The road is located on the back side of the school which will eventually provide access to the Mini-Mountie Program and provide hydrants for improved fire protection. We submitted a pay request for approximately \$139k. We will continue working with the school system to complete the project.

As of December 2018 thru December 2020, BWB expended \$63,639.79 for the re-stabilization work on our 55 Willow Street Office "Slab & Foundation" issue. The building is now stable and should not incur any more settling.

**ECONOMIC FACTORS, RATES AND 2022 BUDGET:**

In considering the BWB Projected Revenue and the level of "Capital Improvement projects" funded by Berlin Water Works, the Board of Water Commissioners and BWB staff determined no need to increase the water rates imposed on customers for the year 2022. In the past, force account funds were used to balance the budget. The force account needed to balance the budget for FY 2021 was \$96,500.00. This is the first time using Unappropriated Funds to Balance Income FY22 in the amount of \$17,383.

Key assumptions in our revenue forecast were:

That the BWB revenues have begun to increase and are now similar to before FY 2006 when the permanent shutdown and demolition of the Fraser pulp mill began. Other small revenue reduction changes due to customer base erosion continue to be expected in 2020. The Federal Prison operation continues to not achieve forecasted operating levels in FY2020 and water sales revenue was lower than anticipated. On the positive side, Prison population and employee levels continue to increase so the Federal Prison has and will continue to increase at some unknown rate. A significant increase in revenue was experienced by



**BERLIN WATER WORKS  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
FISCAL YEAR ENDING JUNE 30, 2021**

mid FY2014 from the Bio-Mass Project "on and off line" Start-up. BWW anticipates that cash flow will continue to improve as annual debt payments decrease and revenue strengthens.

The proposed FY2022 budget had a short fall of revenue vs. operating income as did the FY21 & FY20 budget. The deficiency between water revenue and debt and operating cost is beginning to lessen as debt decreases and revenue increases. The Board decided to continue at the moderate level of "capital improvement" work with additional "temporary crewing" (up to 6) and using BWW construction to increase cash flow.

Because of the Berlin Water Works' aggressive progress on capital improvement work, the Board expects to continue reducing unplanned maintenance work such as water main breaks, service line breaks and frozen water lines that requiring thawing.

**ASSUMPTIONS for FY2022:**

The Berlin Water Works debt repayment schedule was at \$\$686,757 for FY2020, \$685,280 in FY21 and \$699,278.12 for year ending June 30, 2022.

In Fiscal years 2010 thru 2020, significant efforts were applied to the installation of backflow preventers 2486 and additional radio read devices. A total of 1953 radio read units were authorized to be purchased and installed. The radio read units will reduce hazard exposures and reduce meter read time.

In 2005, Board revised regulations pertaining to backflow preventers that will result in additional costs to the Berlin Water Works over the future. In 2021, approximately 717 backflow preventers remain to be purchased and installed over the next 5 to 10 years.

All project resident services will continue to be performed by Berlin Water Works permanent employees rather than through engineering contracts in order to reduce project costs. This process continues the reduced resident inspection cost by more than 50%.

**FY 2022 BUDGET:**

The new items specifically addressed in the FY 2022 budget were:

The FY21 Budget was \$2,859,680. The FY22 Budget is \$2,771,563. Operations decreased by 4.70%, Debt increased by 2.04% for an overall reduction of \$88,117 or 3.08%.

The Berlin Water Works is continuing a path forward to pay down debt and has refinanced the remaining Five State Revolving Loans thru Northway Bank. BWW has not applied for any new State Revolving Loans or Loans from other funding Agencies

The Force Account work ended FY21 and Berlin Water Works began using Capital Improvement Funds to continue water line replacement.

In the past, force account funds were used to balance the budget. The force account needed to balance the budget for FY 2021 was \$96,500.00. This is the first time using Unappropriated Funds to Balance Income FY22 in the amount of \$17,383 (\$79,117. less than FY21).

**BERLIN WATER WORKS  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
FISCAL YEAR ENDING JUNE 30, 2021**

Total additional employees for FY20 were 11 and have been reduced to 6 for FY21 and this Budget will use 6 to maintain one main line crew.

Two employees retired and have returned to part-time.

The FY22 Budget includes \$200k for Capital Improvement Projects.

Since refinancing the SRL's thru Northway Bank, this Budget includes \$699,278 for the yearly payment, an increase of \$13,988. over FY21.

The Outstanding Long Term Debt balance as of April 30, 2021 is \$6,106,584.67.

There has been no rate increase for 24 consecutive years.

**CONTACTING BERLIN WATER WORKS' FINANCIAL MANAGEMENT**

This financial report is intended to provide our citizens, customers, regulators, and creditors with a general overview of the Berlin Water Works' finances and to show accountability for the money it receives. If you have questions about this report or need to get additional information, contact the Berlin Water Works at 55 Willow Street, Berlin, New Hampshire, 03570, phone (603) 752-1677 or email [lcl@bwwberlinnh.org](mailto:lcl@bwwberlinnh.org).

EXHIBIT A  
**BERLIN WATER WORKS**  
**Statement of Net Position**  
June 30, 2021

ASSETS

|                                 |                   |
|---------------------------------|-------------------|
| Current Assets:                 |                   |
| Cash and cash equivalents       | \$ 281,706        |
| Investments                     | 1,671,854         |
| Accounts receivable, net        | 154,917           |
| Unbilled charges                | 441,884           |
| Inventory                       | <u>266,408</u>    |
| Total Current Assets            | <u>2,816,769</u>  |
| Noncurrent Assets:              |                   |
| Capital Assets:                 |                   |
| Non-depreciable capital assets  | 493,423           |
| Depreciable capital assets, net | <u>36,874,652</u> |
| Total Noncurrent Assets         | <u>37,368,075</u> |
| Total Assets                    | <u>40,184,844</u> |

DEFERRED OUTFLOWS OF RESOURCES

|   |                |
|---|----------------|
| Deferred outflows of resources related to OPEB    | 70,622         |
| Deferred outflows of resources related to pension | <u>278,836</u> |
| Total Deferred Outflows of Resources              | <u>349,458</u> |

LIABILITIES

|   |                  |
|---|------------------|
| Current Liabilities:                            |                  |
| Accounts payable                                | 19,188           |
| Accrued liabilities                             | 54,099           |
| Current portion of notes payable                | 566,639          |
| Current portion of compensated absences payable | <u>61,427</u>    |
| Total Current Liabilities                       | <u>701,353</u>   |
| Noncurrent Liabilities:                         |                  |
| Notes payable                                   | 5,539,946        |
| Compensated absences payable                    | 93,690           |
| OPEB liability                                  | 237,991          |
| Net pension liability                           | <u>1,024,727</u> |
| Total Noncurrent Liabilities                    | <u>6,896,354</u> |
| Total Liabilities                               | <u>7,597,707</u> |

DEFERRED INFLOWS OF RESOURCES

|  |                |
|--|----------------|
| Deferred inflows of resources related to OPEB    | 72,731         |
| Deferred inflows of resources related to pension | <u>107,864</u> |
| Total Deferred Inflows of Resources              | <u>180,595</u> |

NET POSITION

|                                  |                      |
|----------------------------------|----------------------|
| Net investment in capital assets | 31,261,490           |
| Unrestricted                     | <u>1,494,510</u>     |
| Total Net Position               | <u>\$ 32,756,000</u> |

*See accompanying notes to the basic financial statements*

EXHIBIT B  
**BERLIN WATER WORKS**  
**Statement of Revenues, Expenses and Changes in Net Position**  
For the Year Ended June 30, 2021

|                                       |                      |
|---------------------------------------|----------------------|
| Operating revenues:                   |                      |
| Charges for services                  | \$ 2,548,736         |
| Miscellaneous revenues                | <u>90,019</u>        |
| Total operating revenues              | <u>2,638,755</u>     |
| Operating expenses:                   |                      |
| Water supply                          | 417,826              |
| Water distribution                    | 124,441              |
| Service department                    | 166,612              |
| Administration                        | 859,234              |
| Depreciation                          | <u>1,193,582</u>     |
| Total operating expenses              | <u>2,761,695</u>     |
| Operating profit (loss)               | <u>(122,940)</u>     |
| Non-operating revenues (expenses):    |                      |
| Interest income                       | 3,049                |
| Interest expense                      | <u>(166,801)</u>     |
| Net non-operating revenues (expenses) | <u>(163,752)</u>     |
| Loss before capital contributions     | (286,692)            |
| Capital contributions                 | <u>1,868,019</u>     |
| Change in net position                | 1,581,327            |
| Net Position - July 1, 2020           | <u>31,174,673</u>    |
| Net Position - June 30, 2021          | <u>\$ 32,756,000</u> |

*See accompanying notes to the basic financial statements*

EXHIBIT C  
**BERLIN WATER WORKS**  
**Statement of Cash Flows**  
For the Year Ended June 30, 2021

|   |                     |
|---|---------------------|
| Cash flows from operating activities:   |                     |
| Cash received from customers  | \$ 2,720,094        |
| Cash paid to suppliers  | (904,375)           |
| Cash paid to employees  | <u>(743,151)</u>    |
| Net cash provided by operating activities   | <u>1,072,568</u>    |
| Cash flows from capital and related financing activities:                             |                     |
| Proceeds from State of New Hampshire revolving loan                                   | 96,511              |
| Principal paid on notes payable   | (1,357,364)         |
| Interest paid on long-term debt   | (181,542)           |
| Purchases of capital assets   | (272,288)           |
| Capital contributions   | <u>15,040</u>       |
| Net cash used for capital and related financing activities                            | <u>(1,699,643)</u>  |
| Cash flows from investing activities:   |                     |
| Redemptions of investments  | 298,655             |
| Interest on investments   | <u>3,049</u>        |
| Net cash used by investing activities   | <u>301,704</u>      |
| Net decrease in cash and cash equivalents   | (325,371)           |
| Cash and cash equivalents, beginning of year  | <u>607,077</u>      |
| Cash and cash equivalents, end of year  | <u>\$ 281,706</u>   |
| Reconciliation of operating loss to net cash provided by operating activities:        |                     |
| Operating loss  | \$ (122,940)        |
| Adjustments to reconcile operating loss to net cash provided by operating activities: |                     |
| Depreciation  | 1,193,582           |
| Change in deferred outflows related to OPEB   | (4,117)             |
| Change in deferred outflows related to pension  | (157,821)           |
| Change in deferred inflows related to OPEB  | 69,313              |
| Change in deferred inflows related to pension   | (80,248)            |
| Changes in assets and liabilities:  |                     |
| Accounts receivable, net  | 55,030              |
| Unbilled charges  | 26,309              |
| Inventory   | (12,782)            |
| Accounts payable  | 1,618               |
| Accrued liabilities   | 16,219              |
| Compensated absences payable  | (5,461)             |
| OPEB liability  | (135,821)           |
| Net pension liability   | <u>229,687</u>      |
| Net cash provided by operating activities   | <u>\$ 1,072,568</u> |
| Noncash transactions affecting financial position:                                    |                     |
| Interest paid on debt refunding   | \$ 83,537           |
| Principal forgiveness on debt refunding   | 1,311,627           |
| Principal forgiveness on notes payable  | <u>541,352</u>      |
|   | <u>\$ 1,936,516</u> |

*See accompanying notes to the basic financial statements*

**BERLIN WATER WORKS**  
**NOTES TO BASIC FINANCIAL STATEMENTS**

For the Year Ended June 30, 2021

**NOTE 1—SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

The accounting policies of the Berlin Water Works conform to accounting principles generally accepted in the United States of America for local governmental units, except as indicated hereinafter. The following is a summary of significant accounting policies.

***Financial Reporting Entity***

The Berlin Water Works was established in 1925. Berlin Water Works is governed by a Board of Water Commissioners appointed by the mayor of the City of Berlin, New Hampshire. Berlin Water Works meets the criteria as a component unit of the City of Berlin, New Hampshire (“the City”). Such criteria includes appointment of the Board of Water Commissioners by the Mayor of the City and debt service guarantees by the City.

***Basis of Accounting***

The financial statements are presented on the accrual basis of accounting, wherein revenues are recognized when earned and expenses are recognized when incurred.

***Estimates***

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America require management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results may differ from those estimates.

***Assets, Deferred Outflows of Resources, Liabilities, Deferred Inflows of Resources, and Net Position***

Cash and Cash Equivalents - For purposes of the Statement of Cash Flows, cash and cash equivalents are comprised of demand deposits and cash on hand.

Investments - Investments are recorded at their fair value. Certificates of deposit with a maturity of greater than ninety days from the date of issuance are included in investments.

Accounts Receivable - At June 30, 2021, accounts receivable includes unpaid water user fees. An allowance for uncollected receivables of \$69,000 has been recorded as of June 30, 2021.

Inventory - Inventory is valued at lower of cost or market on a first-in, first-out basis.

Capital Assets - Capital assets are recorded at cost or estimated historical cost and updated for additions and retirements during the year. Donated capital assets are recorded at their acquisition value as of the date received. Improvements are capitalized; costs of normal maintenance and repairs that do not add to the value of the asset or materially extend an asset’s life are not. Berlin Water Works maintains a capitalization threshold of \$10,000. All reported capital assets except for land and construction in progress are depreciated. Depreciation is recorded using the straight-line method over the estimated useful lives of the related assets.

**BERLIN WATER WORKS**  
**NOTES TO BASIC FINANCIAL STATEMENTS (CONTINUED)**  
For the Year Ended June 30, 2021

Estimated useful lives are as follows:

|                            | <u>Years</u> |
|----------------------------|--------------|
| Infrastructure             | 50           |
| Buildings and improvements | 5-50         |
| Machinery and equipment    | 5-50         |
| Vehicles                   | 5            |

Compensated Absences - Employees earn vacation and sick leave as they provide services. Employees earn 12 sick days per year, to a maximum of 71 days. Employees may add an additional sick day for each six month period of “perfect attendance”, to a maximum cap of 100 days. Vacation time is earned dependent upon length of service and may be carried to the employee’s anniversary date, at which time the unused balance is forfeited. Upon retirement employees receive 65% of their accumulated sick time at their current rate of pay. Employees who retire at the early retirement age of 62 receive 100% of their accrued sick time and 100% of unused vacation time at their current rates of pay.

Other Postemployment Benefits - For purposes of measuring the net OPEB liability, deferred outflows of resources and deferred inflows of resources related to OPEB, and OPEB expense, information about the fiduciary net position of the New Hampshire Retirement System (NHRS) OPEB Plan and additions to/deductions from NHRS’s fiduciary net position have been determined on the same basis as they are reported by NHRS. For this purpose, NHRS recognizes benefit payments when due and payable in accordance with the benefit terms. Investments are reported at fair value, except for non-registered commingled funds valued at net asset value (NAV) as a practical expedient to estimate fair value.

Pensions - For purposes of measuring the net pension liability, deferred outflows of resources and deferred inflows of resources related to pensions, and pension expense, information about the fiduciary net position of the New Hampshire Retirement System (NHRS) and additions to/deductions from NHRS’s fiduciary net position have been determined on the same basis as they are reported by NHRS. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms.

Net Position - Net position represents the difference between assets, deferred outflows of resources, liabilities and deferred inflows of resources. The net investment in capital assets consists of capital assets, net of accumulated depreciation, reduced by any outstanding balances of bonds, notes or other borrowings used for the acquisition, construction or improvement of those assets. Net position is reported as restricted when there are limitations imposed on their use either through enabling legislation adopted by Berlin Water Works or through external restrictions imposed by creditors, grantors or laws or regulations of other governments. Unrestricted net position is the net amount of the assets, deferred outflows of resources, liabilities and deferred inflows of resources that are not included in the determination of net investment in capital assets or the restricted components of net position.

Berlin Water Works’ policy is to first apply restricted resources when an expense is incurred for purposes for which both restricted and unrestricted net position is available.

***Revenues and Expenses***

Operating Revenues and Expenses - Operating revenues and expenses for Berlin Water Works are those that result from providing services and producing and delivering goods in connection with its principal ongoing

**BERLIN WATER WORKS**  
**NOTES TO BASIC FINANCIAL STATEMENTS (CONTINUED)**  
For the Year Ended June 30, 2021

operations. Operating expenses include the cost of sales and services, administrative expenses and depreciation on capital assets. All revenues and expenses not meeting this definition are reported as non-operating revenues and expenses.

*Capital Contributions* - Funds received from other governments for the purpose of constructing assets are recorded as capital contributions.

**NOTE 2—DEPOSITS AND INVESTMENTS**

Deposits and investments as of June 30, 2021 are classified in the accompanying financial statements as follows:

|                                |                     |
|--------------------------------|---------------------|
| Statement of Net Position:     |                     |
| Cash and cash equivalents      | \$ 281,706          |
| Investments                    | <u>1,671,854</u>    |
| Total deposits and investments | <u>\$ 1,953,560</u> |

Deposits and investments at June 30, 2021 consist of the following:

|                                      |                     |
|--------------------------------------|---------------------|
| Cash on hand                         | \$ 150              |
| Deposits with financial institutions | 281,556             |
| Investments                          | <u>1,671,854</u>    |
| Total deposits and investments       | <u>\$ 1,953,560</u> |

Berlin Water Works follows the City of Berlin, New Hampshire’s investment policy. The City's investment policy requires that deposits be made in federally insured banks chartered under the laws of the State of New Hampshire or the federal government with a branch within the State of New Hampshire. The City limits its investments to the New Hampshire Public Deposit Investment Pool (NHPDIP), an external investment pool in accordance with New Hampshire State law, and federally insured banks chartered under the laws of New Hampshire or the federal government with a branch within the State to the following investment types: money market accounts, certificates of deposit, repurchase agreements, all other types of interest bearing accounts, or obligations fully guaranteed as to principal and interest by the United States government.

***Credit Risk***

Generally, credit risk is the risk that an issuer of an investment will not fulfill its obligation to the holder of the investment. This is measured by assignment of a rating by a nationally recognized statistical rating organization. The City’s investment policy for managing credit risk is based on the prudent person principal to ensure capital preservation and protection of investment principal while maintaining sufficient liquidity and seeking a fair rate of return.

As of June 30, 2021, Berlin Water Works’ investments in the NHPDIP, a state investment pool, had a fair value of \$1,671,854 and was rated *AAA-m*.



**BERLIN WATER WORKS**  
**NOTES TO BASIC FINANCIAL STATEMENTS (CONTINUED)**  
For the Year Ended June 30, 2021

***Custodial Credit Risk***

Custodial credit risk for deposits is the risk that in the event of a bank failure, Berlin Water Works' deposits may not be returned. The custodial credit risk for investments is the risk that, in the event of failure of the counterparty to a transaction a government will not be able to recover the value of its investment or collateral securities that are in the possession of another party. The City's investment policy for assurance against custodial credit risk requires collateralization for all deposits not covered by Federal Depository Insurance.

Of Berlin Water Works' deposits with financial institutions at year end, \$58,444 was collateralized by securities held by the bank in the bank's name.

***Investments in NHPDIP***

Berlin Water Works is a voluntary participant in the New Hampshire Public Deposit Investment Pool (NHPDIP), an external investment pool. The NHPDIP is not registered with the United States Securities and Exchange Commission as an investment company. The NHPDIP was created by state law and is administered by a public body of state, local and banking officials. Financial statements for the NHPDIP can be accessed through the NHPDIP's website at [www.NHPDIP.com](http://www.NHPDIP.com).

Berlin Water Works' exposure to derivatives is indirect through its participation in the NHPDIP. Berlin Water Works' proportional share of these derivatives is not available. The fair value of the position in the investment pool is equal to the value of the pool shares.

**NOTE 3—CAPITAL ASSETS**

The following is a summary of changes in capital assets during the year ended June 30, 2021:

|   | <u>Balance</u><br><u>7/1/2020</u> | <u>Additions</u> | <u>Reductions</u>  | <u>Balance</u><br><u>6/30/2021</u> |
|---|-----------------------------------|------------------|--------------------|------------------------------------|
| Capital assets not being depreciated:         |                                   |                  |                    |                                    |
| Land  | \$ 353,649                        |                  |                    | \$ 353,649                         |
| Construction in progress                      | 11,313                            | \$ 135,981       | \$ (7,520)         | 139,774                            |
| Total capital assets not being depreciated    | <u>364,962</u>                    | <u>135,981</u>   | <u>(7,520)</u>     | <u>493,423</u>                     |
| Other capital assets:                         |                                   |                  |                    |                                    |
| Infrastructure                                | 41,750,765                        |                  | (132,112)          | 41,618,653                         |
| Land improvements                             |                                   | 15,040           |                    | 15,040                             |
| Buildings and improvements                    | 15,143,088                        |                  | (490,816)          | 14,652,272                         |
| Machinery and equipment                       | 2,178,889                         | 128,787          | (488,389)          | 1,819,287                          |
| Vehicles                                      | 303,956                           |                  |                    | 303,956                            |
| Total other capital assets at historical cost | <u>59,376,698</u>                 | <u>143,827</u>   | <u>(1,111,317)</u> | <u>58,409,208</u>                  |

**BERLIN WATER WORKS**  
**NOTES TO BASIC FINANCIAL STATEMENTS (CONTINUED)**  
For the Year Ended June 30, 2021

|                                    |                      |                     |                   |                      |
|------------------------------------|----------------------|---------------------|-------------------|----------------------|
| Less accumulated depreciation for: |                      |                     |                   |                      |
| Infrastructure                     | (12,323,861)         | (844,338)           | 132,112           | (13,036,087)         |
| Land improvements                  |                      | (1,253)             |                   | (1,253)              |
| Buildings and improvements         | (7,266,476)          | (311,894)           | 490,816           | (7,087,554)          |
| Machinery and equipment            | (1,611,107)          | (22,197)            | 488,389           | (1,144,915)          |
| Vehicles                           | (250,847)            | (13,900)            |                   | (264,747)            |
| Total accumulated depreciation     | <u>(21,452,291)</u>  | <u>(1,193,582)</u>  | <u>1,111,317</u>  | <u>(21,534,556)</u>  |
| Total other capital assets, net    | <u>37,924,407</u>    | <u>(1,049,755)</u>  | <u>-</u>          | <u>36,874,652</u>    |
| Total capital assets, net          | <u>\$ 38,289,369</u> | <u>\$ (913,774)</u> | <u>\$ (7,520)</u> | <u>\$ 37,368,075</u> |

**NOTE 4—LONG-TERM OBLIGATIONS**

*Changes in Long-term Obligations*

The changes in Berlin Water Works long-term obligations for the year ended June 30, 2021 are as follows:

|                                       | Balance<br><u>7/1/2020</u> | <u>Additions</u>    | <u>Reductions</u>      | Balance<br><u>6/30/2021</u> | Due Within<br><u>One Year</u> |
|---------------------------------------|----------------------------|---------------------|------------------------|-----------------------------|-------------------------------|
| Notes payable                         | \$ 7,733,390               | \$ 7,946,657        | \$ (9,573,462)         | \$ 6,106,585                | \$ 566,639                    |
| State of New Hampshire revolving loan | 1,403,489                  | 96,511              | (1,500,000)            | -                           |                               |
| Compensated absences                  | 160,578                    | 15,411              | (20,872)               | 155,117                     | 61,427                        |
| Total                                 | <u>\$ 9,297,457</u>        | <u>\$ 8,058,579</u> | <u>\$ (11,094,334)</u> | <u>\$ 6,261,702</u>         | <u>\$ 628,066</u>             |

*General Obligation Notes*

Notes payable at June 30, 2021 is comprised of the following individual issue:

|                         | Interest<br>Rate | Final<br>Maturity<br>Date | Balance at<br><u>6/30/2021</u> |
|-------------------------|------------------|---------------------------|--------------------------------|
| General Obligation Note | 2.25%            | January 2031              | <u>\$ 6,106,585</u>            |

General obligation notes are direct obligations of Berlin Water Works, for which its full faith and credit are pledged and are payable from all revenue raised from collecting and setting water rates for, and/or levying assessments against, its water customers. As well as any and all revenue received from the State of New Hampshire or the United States government or any agency or subdivision thereof, and from any and all unrestricted revenues received from any other source, which in each case may lawfully be used to pay for the expenditures of the Berlin Water Works funded by the Note.

Debt service requirements to retire outstanding notes payable at June 30, 2021 are as follows:

**BERLIN WATER WORKS**  
**NOTES TO BASIC FINANCIAL STATEMENTS (CONTINUED)**  
For the Year Ended June 30, 2021

| Year Ending<br><u>June 30,</u> | <u>Principal</u>    | <u>Interest</u>   | <u>Total</u>        |
|--------------------------------|---------------------|-------------------|---------------------|
| 2022                           | \$ 566,639          | \$ 132,639        | \$ 699,278          |
| 2023                           | 579,496             | 119,782           | 699,278             |
| 2024                           | 592,645             | 106,633           | 699,278             |
| 2025                           | 606,093             | 93,185            | 699,278             |
| 2026                           | 619,845             | 79,433            | 699,278             |
| 2027-2031                      | <u>3,141,867</u>    | <u>179,704</u>    | <u>3,321,571</u>    |
| Total Notes Payable            | <u>\$ 6,106,585</u> | <u>\$ 711,376</u> | <u>\$ 6,817,961</u> |

**NOTE 5—CURRENT REFUNDING OF DEBT**

During the year ended June 30, 2021, the Water Works issued \$6,446,657 of notes payable to affect a current refunding for \$7,674,747 of outstanding notes payable (old debt). Net refunding proceeds of \$6,446,657 were used to retire old debt principal of \$7,674,747, including principal forgiveness of \$1,311,627, and old debt interest of \$83,537. The Water Works in effect, reduced its aggregate debt service payments by \$534,197 over the next 10 years.

**NOTE 6—OTHER POSTEMPLOYMENT BENEFITS**

***Total OPEB Liabilities, Deferred Outflows of Resources, Deferred Inflows of Resources and OPEB Expense***

|                                     | <u>Deferred<br/>Outflows</u> | <u>OPEB<br/>Liability</u> | <u>Deferred<br/>Inflows</u> | <u>OPEB<br/>Expense</u> |
|-------------------------------------|------------------------------|---------------------------|-----------------------------|-------------------------|
| Cost-Sharing Multiple Employer Plan | \$ 2,143                     | \$ 17,889                 | \$ 150                      | \$ 1,052                |
| Single Employer Plan                | <u>68,479</u>                | <u>220,102</u>            | <u>72,581</u>               | <u>(68,526)</u>         |
| Total                               | <u>\$ 70,622</u>             | <u>\$ 237,991</u>         | <u>\$ 72,731</u>            | <u>\$ (67,474)</u>      |

The net amount of deferred outflows of resources and deferred inflows of resources related to OPEB is reflected a decrease to unrestricted net position in the amount of \$2,109.

**COST-SHARING MULTIPLE EMPLOYER PLAN**

***Plan Description***

The New Hampshire Retirement System (NHRS) administers a cost-sharing multiple-employer other postemployment benefit plan (OPEB Plan). The OPEB Plan provides a medical insurance subsidy to qualified retired members.

The NHRS issues a publicly available financial report that includes financial statements and required supplementary information for NHRS. That report may be obtained by writing to New Hampshire Retirement System at 54 Regional Drive, Concord, New Hampshire 03301 or from their website at [www.nhrs.org](http://www.nhrs.org).

The OPEB Plan is divided into four membership types. The four membership types are Group II Police Officer and Firefighters, Group I Teachers, Group I Political Subdivision Employees, and Group I State Employees. The OPEB plan is closed to new entrants.

**BERLIN WATER WORKS**  
**NOTES TO BASIC FINANCIAL STATEMENTS (CONTINUED)**  
For the Year Ended June 30, 2021

***Benefits Provided***

Benefit amounts and eligibility requirements for the OPEB Plan are set by state law (RSA 100-A:52, RSA 100-A:52-a and RSA 100-A:52-b), and members are designated in statute by type. The medical insurance subsidy is a payment made by NHRS to the former employer or its insurance administrator toward the cost of health insurance for a qualified retiree, his/her qualified spouse, and his/her certified dependent children with a disability who are living in the household and being cared for by the retiree. If the health insurance premium amount is less than the medical subsidy amount, then only the health insurance premium amount will be paid. If the health insurance premium amount exceeds the medical subsidy amount, then the retiree or other qualified person is responsible for paying any portion that the employer does not pay.

Group I benefits are based on creditable service, age and retirement date. Group II benefits are based on hire date, age and creditable service. Medical subsidy rates established by RSA 100-A:52 II are dependent upon whether retirees are eligible for Medicare. Retirees not eligible for Medicare may receive a maximum medical subsidy of \$375.56 for a single person plan and \$751.12 for a two-person plan. Retirees eligible for Medicare may receive a maximum medical subsidy of \$236.84 for a single person plan and \$473.68 for a two-person plan.

***Funding Policy***

Per RSA 100 A:16, contribution rates are established and may be amended by the New Hampshire State legislature and are determined by the NHRS Board of Trustees based on an actuarial valuation. Berlin Water Works' contribution rates for the covered payroll of employees was 0.29% for the year ended June 30, 2021. Contributions to the OPEB plan for Berlin Water Works were \$1,961 for the year ended June 30, 2021. Employees are not required to contribute to the OPEB plan.

***OPEB Liabilities, OPEB Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB***

At June 30, 2021, the Berlin Water Works reported a liability of \$17,889 for its proportionate share of the net OPEB liability. The net OPEB liability was measured as of June 30, 2020, and the total OPEB liability used to calculate the net OPEB liability was determined by a roll forward of the actuarial valuation from June 30, 2019. The Berlin Water Works' proportion of the net OPEB liability was based on actual contributions by the Berlin Water Works during the relevant fiscal year relative to the actual contributions of all participating plan members, excluding contributions to separately finance specific liabilities of individual employers or NHRS. At June 30, 2020, the Berlin Water Works' proportion was approximately 0.0041 percent, which was a decrease of 0.0002 percentage points from its proportion measured as of June 30, 2019.

For the year ended June 30, 2021, the Berlin Water Works recognized OPEB expense of \$1,052. At June 30, 2021, the Berlin Water Works reported deferred outflows of resources and deferred inflows of resources related to OPEB from the following sources:

**BERLIN WATER WORKS**  
**NOTES TO BASIC FINANCIAL STATEMENTS (CONTINUED)**  
For the Year Ended June 30, 2021

|   | <u>Deferred<br/>Outflows of<br/>Resources</u> | <u>Deferred<br/>Inflows of<br/>Resources</u> |
|---|---|--|
| Differences between expected and actual experience  |   | \$ 52  |
| Net difference between projected and actual earnings on OPEB plan investments   | \$ 67   |  |
| Changes of assumptions  | 115   |  |
| Changes in proportion and differences between Berlin Water Works contributions and proportionate share of contributions |   | 98   |
| Berlin Water Works contributions subsequent to the measurement date   | <u>1,961</u>                                  |  |
| Totals  | <u>\$ 2,143</u>                               | <u>\$ 150</u>                                |

The Berlin Water Works reported \$1,961 as deferred outflows of resources related to OPEB resulting from Berlin Water Works contributions subsequent to the measurement date. This amount will be recognized as a reduction of the net OPEB liability in the measurement period ended June 30, 2021. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to OPEB will be recognized in OPEB expense for the measurement periods as follows:

| <u>June 30,</u> |              |
|-----------------|--------------|
| 2021            | \$ (30)      |
| 2022            | 20           |
| 2023            | 24           |
| 2024            | <u>18</u>    |
|                 | <u>\$ 32</u> |

***Actuarial Assumptions***

The total OPEB liability was determined by a roll forward of the actuarial valuation as of June 30, 2019, using the following actuarial assumptions, applied to all periods included in the measurement, unless otherwise specified:

|                           |   |
|---------------------------|---|
| Inflation                 | 2.00%   |
| Wage inflation            | 2.75% (2.25% for Teachers)  |
| Salary increases          | 5.60%, average, including inflation   |
| Investment rate of return | 6.75% per year, net of OPEB plan investment expense, including inflation for determining solvency contributions |

Mortality rates were based on the Pub-2010 Healthy Retiree Mortality Tables with credibility adjustments for each group (Police and Fire combined) and projected fully generational mortality improvements using Scale MP-2019.

**BERLIN WATER WORKS**  
**NOTES TO BASIC FINANCIAL STATEMENTS (CONTINUED)**  
For the Year Ended June 30, 2021

The actuarial assumptions used in the June 30, 2019 valuation were based on the results of the most recent actuarial experience study, which was for the period July 1, 2015 – June 30, 2019.

The following assumptions were changed in the current year:

- Reduced the assumed rate of investment return from 7.25% to 6.75%
- Reduced the discount rate from 7.25% to 6.75%
- Reduced wage inflation from 3.25% to 2.75% (2.25% for teachers)
- Reduced price inflation from 2.5% to 2.0%
- Updated demographic assumptions, including merit and longevity salary increases, disability rates, retirement rates, and mortality tables (specifically the new public pension plan mortality tables)
- Increased the medical subsidy margin for teachers from 0.20% to 0.50%

The long-term expected rate of return on OPEB Plan investments was selected from a best estimate range determined using the building block approach. Under this method, an expected future real return range is calculated separately for each asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return net of investment expenses by the target asset allocation percentage and by adding expected inflation. Following is a table presenting target allocations and geometric real rates of return for each asset class:

| <u>Asset Class</u>      | <u>Target Allocation</u> | <u>Weighted Average Long-Term<br/>Expected Real Rate of Return</u> |
|-------------------------|--------------------------|--|
| Domestic equity         | 30%                      | 3.71-4.15%   |
| International equity    | 20%                      | 3.96-6.20%   |
| Fixed income            | 25%                      | 0.42-1.66%   |
| Alternative investments | 15%                      | 4.81-7.71%   |
| Real estate             | <u>10%</u>               | 2.95%  |
| Total                   | <u>100%</u>              |  |

The discount rate used to measure the collective total OPEB liability as of June 30, 2020 was 6.75%. The projection of cash flows used to determine this single discount rate assumed that employer contributions will be made under the current statutes RSA 100-A:16 and RSA 100-A:53. Based on those assumptions, the OPEB Plan’s fiduciary net position was projected to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on OPEB Plan investments was applied to all periods of projected benefit payments to determine the collective total OPEB liability.

***Sensitivity of the Berlin Water Works’ Proportionate Share of the Net OPEB Liability to Changes in the Discount Rate***

The following presents the Berlin Water Works’ proportionate share of the net OPEB liability calculated using the discount rate of 6.75 percent, as well as what the Berlin Water Works’ proportionate share of the net OPEB liability would be if it were calculated using a discount rate that is 1-percentage-point lower or 1-percentage-point higher than the single discount rate:

**BERLIN WATER WORKS**  
**NOTES TO BASIC FINANCIAL STATEMENTS (CONTINUED)**  
For the Year Ended June 30, 2021

|                    | 1% Decrease<br>(5.75%) | Current<br>Discount Rate<br>(6.75%) | 1% Increase<br>(7.75%) |
|--------------------|------------------------|-------------------------------------|------------------------|
| Net OPEB liability | \$ 19,425              | \$ 17,889                           | \$ 16,554              |

**SINGLE EMPLOYER PLAN**

***Plan Description***

The Berlin Water Works administers the retiree health care benefits program, a single employer defined benefits plan that is used to provide postemployment benefits other than pensions (OPEB) for all permanent full-time employees. No assets are accumulated in a trust that meets the criteria in paragraph 4 of Statement 75.

***Benefits Provided***

The Berlin Water Works provides medical and life insurance benefits to its eligible retirees and their covered spouses. Employees and their spouses are eligible to receive the benefits upon retirement with an attained age of 62. Employees are eligible to receive retiree medical coverage at no cost until age 65 if they retire at the early retirement age of 62. The benefits, benefit levels, employee contributions and employer contributions are governed by RSA 100-A:50.

***Employees Covered By Benefit Terms***

At June 30, 2021, the following employees were covered by the benefit terms:

|  |           |
|--|-----------|
| Inactive employees or beneficiaries currently receiving benefit payments | -         |
| Inactive employees entitled to but not yet receiving benefit payments    | -         |
| Active employees   | <u>11</u> |
|  | <u>11</u> |

***Total OPEB Liability***

The Berlin Water Works' total OPEB liability of \$220,102 was measured as of June 30, 2021, and was determined by an actuarial valuation as of July 1, 2020.

***Actuarial Assumptions and Other Inputs for OPEB***

The total OPEB liability in the July 1, 2020 valuation was determined using the following actuarial assumptions and other inputs, applied to all periods included in the measurement, unless otherwise specified:

|                             |   |
|-----------------------------|---|
| Inflation                   | 2.20%   |
| Discount rate               | 2.16%   |
| Healthcare cost trend rates | 7% for 2020, decreasing 0.4% per year to 5.4% then grading down to an ultimate trend rate of 4% in 2075 |

The discount rate was based on the Bond Buyer 20-Bond GO Index published on June 30, 2021.

**BERLIN WATER WORKS**  
**NOTES TO BASIC FINANCIAL STATEMENTS (CONTINUED)**  
For the Year Ended June 30, 2021

Mortality rates for active employees were based on the PubG-2010 headcount-weighted Employee General Mortality Tables, projected with fully generational mortality improvement using scale MP-2019. Mortality rates for retirees were based on the 101% of PubG-2010 headcount-weighted Retiree General Mortality Tables for males and 109% of PubG-2010 headcount-weighted Retiree General Mortality Tables for females, projected with fully generational mortality improvement using scale MP-2019.

***Changes in the Total OPEB Liability***

|  |                                |
|--|--------------------------------|
|  | Total OPEB<br><u>Liability</u> |
| Balance at June 30, 2020                           | \$ 355,108                     |
| Changes for the year:                              |                                |
| Service cost                                       | 8,895                          |
| Interest   | 8,031                          |
| Changes of benefit terms                           | -                              |
| Differences between expected and actual experience | (24,232)                       |
| Changes in assumptions or other inputs             | (126,524)                      |
| Benefit payments                                   | <u>(1,176)</u>                 |
| Net changes  | <u>(135,006)</u>               |
| Balance at June 30, 2021                           | <u>\$ 220,102</u>              |

Changes of assumptions and other inputs reflect a change in the discount rate of 2.21% at June 30, 2020 to 2.16% at June 30, 2021.

***Sensitivity of the Total OPEB Liability to Changes in the Discount Rate***

The following presents the total OPEB liability of the Berlin Water Works, as well as what the Berlin Water Works' total OPEB liability would be if it were calculated using a discount rate that is 1-percentage-point lower or 1-percentage-point higher than the current discount rate:

|                      | 1% Decrease    | Current<br>Discount Rate | 1% Increase    |
|----------------------|----------------|--------------------------|----------------|
|                      | <u>(1.16%)</u> | <u>(2.16%)</u>           | <u>(3.16%)</u> |
| Total OPEB liability | \$ 240,584     | \$ 220,102               | \$ 201,635     |

***Sensitivity of the Total OPEB Liability to Changes in the Healthcare Cost Trend Rate***

The following presents the total OPEB liability of the Berlin Water Works, as well as what the Berlin Water Works' total OPEB liability would be if it were calculated using healthcare cost trend rates that are 1-percentage-point lower (5.5 percent decreasing to 3.0 percent) or 1-percentage-point higher (7.5 percent decreasing to 5.0 percent) than the current healthcare cost trend rate:



**BERLIN WATER WORKS**  
**NOTES TO BASIC FINANCIAL STATEMENTS (CONTINUED)**  
For the Year Ended June 30, 2021

|                      | 1% Decrease<br>(5.5% decreasing<br>to 3.0%) | Healthcare<br>Cost Trend<br>Rates<br>(6.5% decreasing<br>to 4.0%) | 1% Increase<br>(7.5% decreasing<br>to 5.0%) |
|----------------------|---|---|---|
| Total OPEB liability | \$ 195,471                                  | \$ 220,102  | \$ 249,453                                  |

***OPEB Expense and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB***

For the year ended June 30, 2021, the Berlin Water Works recognized negative OPEB expense of \$68,526. At June 30, 2021, the Berlin Water Works reported deferred outflows of resources and deferred inflows of resources related to OPEB from the following sources:

|  | Deferred<br>Outflows of<br>Resources | Deferred<br>Inflows of<br>Resources |
|--|--------------------------------------|-------------------------------------|
| Differences between expected and actual experience | \$ 23,059                            |                                     |
| Changes of assumptions                             | 45,420                               | \$ 72,581                           |
| Totals   | <u>\$ 68,479</u>                     | <u>\$ 72,581</u>                    |

Amounts reported as deferred outflows of resources and deferred inflows of resources related to OPEB will be recognized in OPEB expense as follows:

| <u>June 30,</u> |                   |
|-----------------|-------------------|
| 2022            | \$ 1,630          |
| 2023            | 1,630             |
| 2024            | 1,854             |
| 2025            | (2,031)           |
| 2026            | (7,185)           |
|                 | <u>\$ (4,102)</u> |

**NOTE 7—DEFINED BENEFIT PENSION PLAN**

***Plan Description***

The Berlin Water Works contributes to the New Hampshire Retirement System (NHRS), a public employee retirement system that administers a single cost-sharing multiple-employer defined benefit pension plan. The plan provides service, disability, death and vested retirement allowances to plan members and beneficiaries. Benefit provisions are established and may be amended by the New Hampshire State legislature.

The NHRS issues a publicly available financial report that includes financial statements and required supplementary information for NHRS. That report may be obtained by writing to New Hampshire Retirement System at 54 Regional Drive, Concord, New Hampshire 03301 or from their website at [www.nhrs.org](http://www.nhrs.org).

**BERLIN WATER WORKS**  
**NOTES TO BASIC FINANCIAL STATEMENTS (CONTINUED)**  
For the Year Ended June 30, 2021

Substantially all full-time state and local employees, public school teachers, permanent firefighters and permanent police officers within the State are eligible and required to participate in the Pension Plan.

The Pension Plan is divided into two membership groups. State and local employees and teachers belong to Group I. Police and firefighters belong to Group II.

***Benefits Provided***

Benefit formulas and eligibility requirements for the pension plan are set by State law (RSA 100-A).

Group I benefits are provided based on creditable service and average final salary for the highest of either three or five years, depending on when service commenced.

Group II benefits are provided based on age, years of creditable service and a benefit multiplier depending on vesting status as of January 1, 2012. The maximum retirement allowance for Group II members vested by January 1, 2012 (45 years of age with 20 years of service or age 60 regardless of years of creditable service) is the average final compensation multiplied by 2.5% multiplied by creditable service. For Group II members not vested by January 1, 2012 the benefit is calculated the same way but the multiplier used in the calculation will change depending on age and years of creditable service as follows:

| <u>Years of Creditable Service as of<br/>January 1, 2012</u> | <u>Minimum Age</u> | <u>Minimum<br/>Service</u> | <u>Benefit<br/>Multiplier</u> |
|--|--------------------|----------------------------|-------------------------------|
| At least 8 but less than 10 years                            | 46                 | 21                         | 2.4%                          |
| At least 6 but less than 8 years                             | 47                 | 22                         | 2.3%                          |
| At least 4 but less than 6 years                             | 48                 | 23                         | 2.2%                          |
| Less than 4 years  | 49                 | 24                         | 2.1%                          |

***Changes in Benefits***

Ch 340 laws of 2019 (HB 616) grants a one-time, 1.5% COLA on the first \$50,000 of an annual pension benefit to members who retired on or before July 1, 2014, or any beneficiaries of such member who is receiving a survivorship pension benefit. The COLA will take effect on the retired member's first anniversary date of retirement occurring after July 1, 2020. The adjustment shall become a permanent addition to the member's base retirement allowance.

***Funding Policy***

Plan members are required to contribute 7.0% of their covered salary and the Berlin Water Works is required to contribute at an actuarially determined rate. The Berlin Water Works' contribution rate for the covered payroll of employees was 10.88% for the year ended June 30, 2021. The Berlin Water Works contributes 100% of the employer cost.

Per RSA 100-A:16, plan member contribution rates are established and may be amended by the New Hampshire State legislature and employer contribution rates are determined by the NHRS Board of Trustees based on an actuarial valuation. The Berlin Water Works' contributions to the NHRS for the year ending June 30, 2021 were \$73,553.

**BERLIN WATER WORKS**  
**NOTES TO BASIC FINANCIAL STATEMENTS (CONTINUED)**  
For the Year Ended June 30, 2021

***Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions***

At June 30, 2021, the Berlin Water Works reported a liability of \$1,024,727 for its proportionate share of the net pension liability. The net pension liability was measured as of June 30, 2020, and the total pension liability used to calculate the net pension liability was determined by a roll forward of the actuarial valuation from June 30, 2019. The Berlin Water Works' proportion of the net pension liability was based on actual contributions by the Berlin Water Works during the relevant fiscal year relative to the actual contributions of all participating plan members, excluding contributions to separately finance specific liabilities of individual employers or NHRS. At June 30, 2020, the Berlin Water Works' proportion was approximately 0.0160 percent, which was a decrease of 0.0005 percentage points from its proportion measured as of June 30, 2019.

For the year ended June 30, 2021, the Berlin Water Works recognized pension expense of \$65,707. At June 30, 2021, the Berlin Water Works reported deferred outflows of resources and deferred inflows of resources related to pension from the following sources:

|   | Deferred<br>Outflows of<br><u>Resources</u> | Deferred<br>Inflows of<br><u>Resources</u> |
|---|---|--|
| Differences between expected and actual experience  | \$ 27,673                                   | \$ 11,003                                  |
| Changes of assumptions  | 101,366                                     |  |
| Net difference between projected and actual earnings on pension plan investments  | 63,380                                      |  |
| Changes in proportion and differences between Berlin Water Works contributions and proportionate share of contributions | 12,864                                      | 96,861                                     |
| Berlin Water Works' contributions subsequent to the measurement date  | <u>73,553</u>                               | <u>          </u>                          |
| Totals  | <u>\$ 278,836</u>                           | <u>\$ 107,864</u>                          |

The net amount of deferred outflows of resources and deferred inflows of resources related to pension is reflected as a decrease to unrestricted net position in the amount of \$170,972. The Berlin Water Works reported \$73,553 as deferred outflows of resources related to pension resulting from the Berlin Water Works' contributions subsequent to the measurement date that will be recognized as a reduction of the net pension liability in the measurement period ended June 30, 2021. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pension will be recognized in pension expense in the measurement periods as follows:

| <u>June 30,</u> |                  |
|-----------------|------------------|
| 2021            | \$ (20,782)      |
| 2022            | 25,104           |
| 2023            | 50,141           |
| 2024            | <u>42,956</u>    |
|                 | <u>\$ 97,419</u> |

**BERLIN WATER WORKS**  
**NOTES TO BASIC FINANCIAL STATEMENTS (CONTINUED)**  
For the Year Ended June 30, 2021

***Actuarial Assumptions***

The total pension liability was determined by a roll forward of the actuarial valuation as of June 30, 2019, using the following actuarial assumptions:

|                           |  |
|---------------------------|--|
| Inflation                 | 2.00%  |
| Wage inflation            | 2.75% (2.25% for Teachers)   |
| Salary increases          | 5.60%, average, including inflation                                |
| Investment rate of return | 6.75%, net of pension plan investment expense, including inflation |

Mortality rates were based on the Pub-2010 Healthy Retiree Mortality Tables with credibility adjustments for each group (Police and Fire combined) and projected fully generational mortality improvements using Scale MP-2019.

The actuarial assumptions used in the June 30, 2019 valuation were based on the results of the most recent actuarial experience study, which was for the period July 1, 2015 – June 30, 2019.

The following assumptions were changed in the current year:

- Reduced the assumed rate of investment return from 7.25% to 6.75%
- Reduced the discount rate from 7.25% to 6.75%
- Reduced wage inflation from 3.25% to 2.75% (2.25% for teachers)
- Reduced price inflation from 2.5% to 2.0%
- Updated demographic assumptions, including merit and longevity salary increases, disability rates, retirement rates, and mortality tables (specifically the new public pension plan mortality tables)

The long-term expected rate of return on pension plan investments was selected from a best estimate range determined using the building block approach. Under this method, an expected future real return range is calculated separately for each asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return net of investment expenses by the target asset allocation percentage and by adding expected inflation. Following is a table presenting target allocations and geometric real rates of return for each asset class:

| <u>Asset Class</u>      | <u>Target Allocation</u> | <u>Weighted Average Long-Term<br/>Expected Real Rate of Return</u> |
|-------------------------|--------------------------|--|
| Domestic equity         | 30%                      | 3.71-4.15%   |
| International equity    | 20%                      | 3.96-6.20%   |
| Fixed income            | 25%                      | 0.42-1.66%   |
| Alternative investments | 15%                      | 4.81-7.71%   |
| Real estate             | 10%                      | 2.95%  |
| Total                   | <u>100%</u>              |  |

***Discount Rate***

The discount rate used to measure the collective pension liability was 6.75%. The projection of cash flows used to determine the discount rate assumed that plan member contributions will be made at the current

**BERLIN WATER WORKS**  
**NOTES TO BASIC FINANCIAL STATEMENTS (CONTINUED)**  
For the Year Ended June 30, 2021

contribution rate and that employer contributions will be made at rates equal to the difference between actuarially determined contribution rates and the member rate. For purposes of the projection, member contributions and employer contributions are projected based on the expected payroll of current members only. Based on those assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the collective pension liability.

***Sensitivity of the Berlin Water Works' Proportionate Share of the Net Pension Liability to Changes in the Discount Rate***

The following presents the Berlin Water Works' proportionate share of the net pension liability calculated using the discount rate of 6.75 percent, as well as what the Berlin Water Works' proportionate share of the net pension liability would be if it were calculated using a discount rate that is 1-percentage-point lower or 1-percentage-point higher than the single discount rate:

|  | 1% Decrease<br><u>(5.75%)</u> | Current<br>Discount Rate<br><u>(6.75%)</u> | 1% Increase<br><u>(7.75%)</u> |
|--|-------------------------------|--|-------------------------------|
| Berlin Water Works' proportionate share of the net pension liability | \$ 1,326,605                  | \$ 1,024,727                               | \$ 778,053                    |

**NOTE 8—RISK MANAGEMENT**

The Berlin Water Works is exposed to various risks of losses related to torts; theft of, damage to, and destruction of assets; errors and omissions; injuries to employees; and natural disasters. During the fiscal year ended June 30, 2021, the Berlin Water Works was a member of and participated in a public entity risk pool (Trust) for property and liability insurance and worker's compensation coverage. Coverage has not been significantly reduced from the prior year and settled claims have not exceeded coverage in any of the past three years.

The Trust agreements permit the Trust to make additional assessments to members should there be a deficiency in Trust assets to meet its liabilities. Accounting principles generally accepted in the United States of America require members of pools with a sharing of risk to determine whether or not such assessment is probable and, if so, a reasonable estimate of such assessment. At this time, the Trust foresees no likelihood of an additional assessment for any of the past years. Claims expenditures and liabilities are reported when it is probable that a loss has occurred and the amount of that loss can be reasonably estimated. These losses include an estimate of claims that have been incurred but not reported. Based on the best available information there is no liability at June 30, 2021.

***Property and Liability Insurance***

The Trust provides certain property and liability insurance coverage to member towns, cities, and other qualified political subdivisions of New Hampshire. As a member of the Trust, the Berlin Water Works shares in contributing to the cost of and receiving benefit from a self-insured pooled risk management program. The program includes a Self-Insured Retention Fund from which is paid up to \$500,000 for each and every covered property, crime and/or liability loss that exceeds \$1,000, up to an aggregate of \$1,200,000. Each property loss is subject to a \$1,000 deductible. All losses over the aggregate are covered by insurance policies.

**BERLIN WATER WORKS**  
**NOTES TO BASIC FINANCIAL STATEMENTS (CONTINUED)**  
For the Year Ended June 30, 2021

*Worker's Compensation*

The Trust provides statutory worker's compensation coverage to member towns, cities, and other qualified political subdivisions of New Hampshire. The Trust is self-sustaining through annual member premiums and provides coverage for the statutorily required workers' compensation benefits and employer's liability coverage up to \$2,000,000. The program includes a Loss Fund from which is paid up to \$500,000 for each and every covered claim.

**NOTE 9—CONTINGENCIES**

*Litigation*

There may be various claims and suits pending against the Berlin Water Works, which arise in the normal course of the Berlin Water Works' activities. In the opinion of Berlin Water Works' management, any potential claims against the Berlin Water Works, which are not covered by insurance, are immaterial and would not affect the financial position of the Berlin Water Works.

**NOTE 10—SIGNIFICANT CONCENTRATION OF REVENUE RISK**

For the year ended June 30, 2021, a single industrial consumer approximated 26.1% of the total revenue generated from user charges.

SCHEDULE 1

**BERLIN WATER WORKS**

**Schedule of Changes in the Berlin Water Works' Proportionate Share of the Net OPEB Liability**

For the Year Ended June 30, 2021

**Cost-Sharing Multiple Employer Plan Information Only**

| <u>Measurement Period Ended</u> | <u>Berlin Water Works' Proportion of the Net OPEB Liability</u> | <u>Berlin Water Works' Proportionate Share of the Net OPEB Liability</u> | <u>Berlin Water Works' Covered Payroll</u> | <u>Berlin Water Works' Proportionate Share of the Net OPEB Liability as a Percentage of Covered Payroll</u> | <u>Plan Fiduciary Net Position as a Percentage of the Total OPEB Liability</u> |
|---------------------------------|---|--|--|---|--|
| June 30, 2020                   | 0.00408685%   | \$ 17,889  | \$ 649,228                                 | 2.76%   | 7.74%  |
| June 30, 2019                   | 0.00426637%   | \$ 18,704  | \$ 648,972                                 | 2.88%   | 7.75%  |
| June 30, 2018                   | 0.00415075%   | \$ 19,004  | \$ 611,982                                 | 3.11%   | 7.53%  |
| June 30, 2017                   | 0.00336763%   | \$ 15,398  | \$ 643,939                                 | 2.39%   | 7.91%  |
| June 30, 2016                   | 0.00384641%   | \$ 18,621  | \$ 720,965                                 | 2.58%   | 5.21%  |

**Significant Actuarial Assumptions**

| <u>Measurement Periods</u> | <u>Inflation</u> | <u>Salary Increases</u> | <u>Investment Rate of Return</u> | <u>Mortality Table</u> | <u>Mortality Scale</u> |
|----------------------------|------------------|-------------------------|----------------------------------|------------------------|------------------------|
| June 30, 2020              | 2.00%            | 5.60%                   | 6.75%                            | Pub-2010               | MP-2019                |
| June 30, 2016 - 2019       | 2.50%            | 5.60%                   | 7.25%                            | RP-2014                | MP-2015                |

*See accompanying notes to the required supplementary information*

SCHEDULE 2  
**BERLIN WATER WORKS**  
**Schedule of Berlin Water Works OPEB Contributions**  
For the Year Ended June 30, 2021

| <b>Cost-Sharing Multiple Employer Plan Information Only</b> |  |   |   |  |   |  |
|---|--|---|---|--|---|--|
| <u>Year Ended</u>   | <u>Contractually<br/>Required<br/>Contribution</u> | <u>Contributions in<br/>Relation to the<br/>Contractually<br/>Required<br/>Contribution</u> | <u>Contribution<br/>Deficiency<br/>(Excess)</u> | <u>Berlin<br/>Water Works'<br/>Covered<br/>Payroll</u> | <u>Contributions<br/>as a Percentage<br/>of Covered<br/>Payroll</u> |  |
| June 30, 2021   | \$ 1,961   | \$ (1,961)  | \$ -  | \$ 676,035   | 0.29%   |  |
| June 30, 2020   | \$ 1,883   | \$ (1,883)  | \$ -  | \$ 649,228   | 0.29%   |  |
| June 30, 2019   | \$ 1,947   | \$ (1,947)  | \$ -  | \$ 648,972   | 0.30%   |  |
| June 30, 2018   | \$ 1,836   | \$ (1,836)  | \$ -  | \$ 611,982   | 0.30%   |  |
| June 30, 2017   | \$ 1,996   | \$ (1,996)  | \$ -  | \$ 643,939   | 0.31%   |  |
| June 30, 2016   | \$ 2,235   | \$ (2,235)  | \$ -  | \$ 720,965   | 0.31%   |  |

*See accompanying notes to the required supplementary information*



SCHEDULE 3

**BERLIN WATER WORKS**

**Schedule of Changes in the Berlin Water Works' Total OPEB Liability and Related Ratios**

For the Year Ended June 30, 2021

| <u>Single Employer Plan Information Only</u>                     | <u>2021</u>       | <u>2020</u>       | <u>2019</u>       | <u>2018</u>       |
|--|-------------------|-------------------|-------------------|-------------------|
| Total OPEB Liability:  |                   |                   |                   |                   |
| Service cost   | \$ 8,895          | \$ 9,533          | \$ 9,400          | \$ 6,313          |
| Interest   | 8,031             | 11,230            | 10,290            | 9,776             |
| Changes of benefit terms   | -                 | -                 | -                 | -                 |
| Changes of assumptions or other inputs                           | (126,524)         | 32,844            | 103,671           | (5,239)           |
| Differences between expected and actual experience               | (24,232)          | -                 | (47,414)          | -                 |
| Benefit payments   | <u>(1,176)</u>    | <u>(19,676)</u>   | <u>(22,506)</u>   | <u>(19,761)</u>   |
| Net change in total OPEB liability                               | (135,006)         | 33,931            | 53,441            | (8,911)           |
| Total OPEB Liability - beginning of year                         | <u>355,108</u>    | <u>321,177</u>    | <u>267,736</u>    | <u>276,647</u>    |
| Total OPEB Liability - end of year                               | <u>\$ 220,102</u> | <u>\$ 355,108</u> | <u>\$ 321,177</u> | <u>\$ 267,736</u> |
| Covered employee payroll   | \$ 533,434        | \$ 529,163        | \$ 662,902        | \$ 612,927        |
| Total OPEB liability as a percentage of covered employee payroll | 41.26%            | 67.11%            | 48.45%            | 43.68%            |
| <u>Significant Actuarial Assumptions</u>                         |                   |                   |                   |                   |
| Discount rate  | 2.16%             | 2.21%             | 3.50%             | 3.87%             |
| Health cost trend rates:   |                   |                   |                   |                   |
| Initial  | 7% - 2020         | 8% - 2018         | 8% - 2018         | 8% - 2016         |
| Ultimate   | 4% - 2075         | 3.9% - 2075       | 3.9% - 2075       | 5% - 2019         |
| Mortality improvement scale                                      | MP-2019           | MP-2015           | MP-2015           | MP-2014           |

*See accompanying notes to the required supplementary information*

SCHEDULE 4

**BERLIN WATER WORKS**

**Schedule of Changes in the Berlin Water Works' Proportionate Share of the Net Pension Liability**

For the Year Ended June 30, 2021

| <u>Measurement Period Ended</u> | <u>Berlin Water Works' Proportion of the Net Pension Liability</u> | <u>Berlin Water Works' Proportionate Share of the Net Pension Liability</u> | <u>Berlin Water Works' Covered Payroll</u> | <u>Berlin Water Works' Proportionate Share of the Net Pension Liability (Asset) as a Percentage of Covered Payroll</u> | <u>Plan Fiduciary Net Position as a Percentage of the Total Pension Liability</u> |
|---------------------------------|--|---|--|--|---|
| June 30, 2020                   | 0.01602100%  | \$ 1,024,727  | \$ 649,228                                 | 157.84%  | 58.72%  |
| June 30, 2019                   | 0.01652322%  | \$ 795,040  | \$ 648,972                                 | 122.51%  | 65.59%  |
| June 30, 2018                   | 0.01604324%  | \$ 772,514  | \$ 611,982                                 | 126.23%  | 64.73%  |
| June 30, 2017                   | 0.01908920%  | \$ 938,805  | \$ 643,939                                 | 145.79%  | 62.66%  |
| June 30, 2016                   | 0.02186584%  | \$ 1,162,737  | \$ 720,965                                 | 161.28%  | 58.30%  |
| June 30, 2015                   | 0.02590159%  | \$ 1,026,099  | \$ 832,344                                 | 123.28%  | 65.47%  |
| June 30, 2014                   | 0.02598995%  | \$ 975,555  | \$ 807,638                                 | 120.79%  | 66.32%  |
| June 30, 2013                   | 0.02560616%  | \$ 1,102,034  | \$ 750,833                                 | 146.77%  | 59.81%  |

Significant Actuarial Assumptions

| <u>Measurement Periods</u> | <u>Inflation</u> | <u>Salary Increases</u> | <u>Investment Rate of Return</u> | <u>Mortality Table</u> | <u>Mortality Scale</u> |
|----------------------------|------------------|-------------------------|----------------------------------|------------------------|------------------------|
| June 30, 2020              | 2.00%            | 5.60%                   | 6.75%                            | Pub-2010               | MP-2019                |
| June 30, 2016 - 2019       | 2.50%            | 5.60%                   | 7.25%                            | RP-2014                | MP-2015                |
| June 30, 2013 - 2015       | 3.00%            | 3.75-5.80%              | 7.75%                            | RP-2000                | Scale AA               |

*See accompanying notes to the required supplementary information*

SCHEDULE 5  
**BERLIN WATER WORKS**  
**Schedule of Berlin Water Works Pension Contributions**  
For the Year Ended June 30, 2021

| <u>Year Ended</u> | <u>Contractually<br/>Required<br/>Contribution</u> | <u>Contributions in<br/>Relation to the<br/>Contractually<br/>Required<br/>Contribution</u> | <u>Contribution<br/>Deficiency<br/>(Excess)</u> | <u>Berlin<br/>Water Works'<br/>Covered<br/>Payroll</u> | <u>Contributions<br/>as a Percentage<br/>of Covered<br/>Payroll</u> |
|-------------------|--|---|---|--|---|
| June 30, 2021     | \$ 73,553  | \$ (73,553)   | \$ -  | \$ 676,035   | 10.88%  |
| June 30, 2020     | \$ 70,636  | \$ (70,636)   | \$ -  | \$ 649,228   | 10.88%  |
| June 30, 2019     | \$ 71,906  | \$ (71,906)   | \$ -  | \$ 648,972   | 11.08%  |
| June 30, 2018     | \$ 67,808  | \$ (67,808)   | \$ -  | \$ 611,982   | 11.08%  |
| June 30, 2017     | \$ 69,932  | \$ (69,932)   | \$ -  | \$ 643,939   | 10.86%  |
| June 30, 2016     | \$ 78,297  | \$ (78,297)   | \$ -  | \$ 720,965   | 10.86%  |
| June 30, 2015     | \$ 86,897  | \$ (86,897)   | \$ -  | \$ 832,344   | 10.44%  |
| June 30, 2014     | \$ 84,317  | \$ (84,317)   | \$ -  | \$ 807,638   | 10.44%  |
| June 30, 2013     | \$ 63,671  | \$ (63,671)   | \$ -  | \$ 750,833   | 8.48%   |

*See accompanying notes to the required supplementary information*

**BERLIN WATER WORKS**  
**NOTES TO REQUIRED SUPPLEMENTARY INFORMATION**  
For the Year Ended June 30, 2021

**NOTE 1—SCHEDULE OF CHANGES IN THE BERLIN WATER WORKS' PROPORTIONATE SHARE OF THE NET OPEB LIABILITY AND SCHEDULE OF WATER WORKS OPEB CONTRIBUTIONS**

In accordance with GASB Statement #75, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions*, the Berlin Water Works is required to disclose historical information for each of the prior ten years within a schedule of changes in the Berlin Water Works' proportionate share of the net OPEB liability and schedule of Berlin Water Works OPEB contributions. The Berlin Water Works implemented the provisions of GASB Statement #75 during the year ended June 30, 2018. Accordingly, the historic information has only been presented for those years which information was readily available. Additional disclosures will be made in future years as additional information becomes available.

**NOTE 2—SCHEDULE OF CHANGES IN THE WATER WORKS' TOTAL OPEB LIABILITY AND RELATED RATIOS**

In accordance with GASB Statement #75, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions*, the Berlin Water Works is required to disclose historical information for each of the prior ten years within a schedule of changes in the Berlin Water Works' total OPEB liability and related ratios. The Berlin Water Works implemented the provisions of GASB Statement #75 during the year ended June 30, 2018. Accordingly, the historic information has only been presented for those years which information was readily available. Additional disclosures will be made in future years as additional information becomes available.

No assets are accumulated in a trust that meets the criteria in paragraph 4 of Statement 75.

**NOTE 3—SCHEDULE OF CHANGES IN THE BERLIN WATER WORKS' PROPORTIONATE SHARE OF THE NET PENSION LIABILITY AND SCHEDULE OF WATER WORKS PENSION CONTRIBUTIONS**

In accordance with GASB Statement #68, *Accounting and Financial Reporting for Pensions*, the Berlin Water Works is required to disclose historical information for each of the prior ten years within a schedule of changes in the Berlin Water Works' proportionate share of the net pension liability and schedule of Berlin Water Works pension contributions. The Berlin Water Works implemented the provisions of GASB Statement #68 during the year ended June 30, 2015. Accordingly, the historic information has only been presented for those years which information was readily available. Additional disclosures will be made in future years as the information becomes available.