

Consolidated Financial Statements December 31, 2022 and 2021

(With Independent Auditor's Report Thereon)

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INDEPENDENT AUDITOR'S REPORT

Board of Directors and Stockholder Pennichuck Corporation and Subsidiaries

Opinion

We have audited the accompanying consolidated financial statements of Pennichuck Corporation and Subsidiaries, which comprise the consolidated balance sheets as of December 31, 2022 and 2021, and the related consolidated statements of income (loss), comprehensive income (loss), changes in stockholder's equity (deficit), and cash flows for the years then ended, and the related notes to the consolidated financial statements.

In our opinion, the accompanying consolidated financial statements present fairly, in all material respects, the financial position of Pennichuck Corporation and Subsidiaries as of December 31, 2022 and 2021, and the results of their operations and their cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United State of America (GAAS). Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Consolidated Financial Statements section of our report. We are required to be independent of Pennichuck Corporation and Subsidiaries, and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Responsibilities of Management for the Consolidated Financial Statements

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



In preparing the consolidated financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about Pennichuck Corporation and Subsidiaries' ability to continue as a going concern for one year after the date that the consolidated financial statements are available to be issued.

Auditor's Responsibilities for the Audit of the Consolidated Financial Statements

Our objectives are to obtain reasonable assurance about whether the consolidated financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the consolidated financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the consolidated financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements.
- Obtain an understanding of internal control relevant to the audit 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 Pennichuck Corporation and Subsidiaries'
 internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the consolidated financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about Pennichuck Corporation and Subsidiaries' ability to continue as a going concern for a reasonable period of time.



We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Merrimack, New Hampshire

Melanson

March 21, 2023

Consolidated Balance Sheets As of December 31, 2022 and 2021 (in thousands, except share data)

	2022	2021
ASSETS		
Property, Plant and Equipment, net	\$ 247,062	\$ 245,197
Current Assets:		
Cash and cash equivalents	3,138	1,493
Restricted cash - RSFs and Restricted Accounts	10,837	11,619
Restricted cash - CIAC	134	1,037
Restricted cash - Bond Project Funds	219	255
Accounts receivable - billed, net	5,048	3,576
Accounts receivable - unbilled, net	3,277	6,277
Accounts receivable - other	16	16
Inventory	991	733
Prepaid expenses	908	506
Prepaid property taxes	1,064	925
Deferred and refundable income taxes	11	
Total Current Assets	25,643	26,437
Other Assets:		
Right-of-use asset	5,101	-
Deferred charges and other assets	4,184	12,516
Acquisition premium, net	62,899	65,082
Total Other Assets	72,184	77,598
TOTAL ASSETS	\$344,889_	\$349,232_

Consolidated Balance Sheets - Continued As of December 31, 2022 and 2021 (in thousands, except share data)

	2022	2021
STOCKHOLDER'S EQUITY (DEFICIT) AND LIABILITIES		
Stockholder's Equity (Deficit):		
Common stock; \$0.01 par value; 1,000 shares		
authorized, issued and outstanding	\$ -	\$ -
Additional paid in capital	30,561	30,561
Accumulated deficit	(36,363)	(34,381)
Accumulated other comprehensive income	524	356
Total Stockholder's Equity (Deficit)	(5,278)	(3,464)
Long-Term Debt, Less Current Portion		
and Unamortized Debt Issuance Costs	229,303	227,063
Current Liabilities:		
Lines of credit	6,246	6,608
Current portion of long-term debt	7,999	9,149
Current portion of operating lease liability	285	-
Accounts payable	3,258	2,452
Accrued property taxes	-	142
Deferred revenue	69	67
Accrued interest payable	1,389	1,341
Other accrued expenses	278	559
Accrued wages and payroll withholding	438	387
Customer deposits and other	654	1,298
Total Current Liabilities	20,616	22,003
Other Liabilities and Deferred Credits:		
Deferred income taxes	14,418	14,850
Accrued pension liability	6,177	12,159
Unamortized debt premium	3,556	3,660
Deferred investment tax credits	338	371
Regulatory liability	9,894	9,906
Accrued post-retirement benefits	3,401	4,748
Customer advances	84	84
Contributions in aid of construction, net	57,306	57,302
Derivative instrument	10	290
Long-term operating lease liability, net of current portion	4,816	-
Other long-term liabilities	248	260
Total Other Liabilities and Deferred Credits	100,248	103,630
TOTAL STOCKHOLDER'S EQUITY (DEFICIT) AND LIABILITIES	\$ 344,889	\$ 349,232

Consolidated Statements of Income (Loss) For the Years Ended December 31, 2022 and 2021 (in thousands)

	2022			2021
Operating Revenues	\$	56,081	\$_	52,004
Operating Expenses:				
Operations and maintenance		29,003		26,707
Depreciation and amortization		8,856		8,751
Taxes other than income taxes	_	6,399	_	6,872
Total Operating Expenses	_	44,258	_	42,330
Operating Income		11,823		9,674
Interest Expense		(14,114)		(13,902)
Other, Net	_	-	_	340
Loss Before Provision for Income Taxes		(2,291)		(3,888)
(Provision) Benefit for Income Taxes	_	587	_	189
Net Loss	\$	(1,704)	\$_	(3,699)

Consolidated Statements of Comprehensive Income (Loss) For the Years Ended December 31, 2022 and 2021 (in thousands)

	_	2022	_	2021
Net Loss	\$	(1,704)	\$	(3,699)
Other Comprehensive Income (Loss):				
Unrealized gain (loss) on derivatives		206		72
Reclassification of net income (loss) realized in net loss Income tax provision relating to		73		(68)
other comprehensive income (loss)	_	(111)	_	98
Other Comprehensive Income (Loss)	_	168	_	102
Comprehensive Loss	\$_	(1,536)	\$_	(3,597)

Consolidated Statement of Changes in Stockholder's Equity (Deficit)

For the Year Ended December 31, 2022 (in thousands, except per share data)

						Accı	umulated		
				Additional			Other		
	Comm	non Sto	ock	Paid in	Accumulated	Comp	orehensive		
	Shares		Amount	Capital	Deficit	lı	ncome		Total
Balance as of	4 000			. 20 564	d (24.224)		256		(2.454)
January 1, 2022	1,000	\$	-	\$ 30,561	\$ (34,381)	\$	356	\$	(3,464)
Common dividends declared	-		-		(278)		-		(278)
Net loss	-		-	-	(1,704)		-		(1,704)
Other comprehensive income:									
Unrealized gain on derivatives, net of taxes of \$82	-		-		-		124		124
Reclassification of net income realized in net loss, net of taxes of \$29							44_	_	44_
Balance as of									
December 31, 2022	1,000	\$	-	\$ 30,561	\$ <u>(36,363)</u>	\$	524	\$_	(5,278)

Consolidated Statement of Changes in Stockholder's Equity For the Year Ended December 31, 2021 (in thousands, except per share data)

				Add	litional		А	ccumulated Other		
	Comm	non Sto	ck	Pa	aid in	Accumulate	d Coi	mprehensive		
	Shares	_A	mount	Ca	apital	Deficit		Income		Total
Balance as of January 1, 2021	1,000	\$	-	\$	30,561	\$ (30,403)	\$	254	\$	412
Common dividends declared	-		-		-	(279)		-		(279)
Net loss	-		-		-	(3,699)		-		(3,699)
Other comprehensive income:										
Unrealized loss on derivatives, net of taxes of \$(63)	-		-		-	-		43		43
Reclassification of net income realized in net loss, net of taxes of \$27			<u>-</u>		-			59_	_	59_
Balance as of December 31, 2021	1,000	\$		\$	30,561	\$ (34,381)	\$	356	\$_	(3,464)

Consolidated Statements of Cash Flows For the Years Ended December 31, 2022 and 2021 (in thousands)

	_	2022		2021
Cash Flows From Operating Activities:				
Net Loss	\$	(1,704)	\$	(3,699)
Adjustments to reconcile net loss to net cash				
provided by operating activities:				
Depreciation and amortization		8,967		8,843
Amortization of deferred investment tax credits		(33)		(33)
Provision for deferred income taxes		(557)		(161)
Gain on disposition of property		-		(345)
Changes in assets and liabilities:				
(Increase) decrease in accounts receivable billed, unbilled and other		1,528		(1,084)
(Increase) decrease in inventory		(258)		(135)
(Increase) decrease in prepaid expenses		(541)		365
(Increase) decrease in refundable income taxes		(11)		-
(Increase) decrease in deferred charges and other assets		11,344		8,179
Increase (decrease) in accounts payable and deferred revenue		865		(521)
Increase (decrease) in accrued property taxes		(145)		145
Increase (decrease) in accrued interest payable		48		37
Increase (decrease) in other	_	(8,268)		(2,387)
Net cash provided by operating activities	_	11,235		9,204
Cash Flows From Investing Activities:				
Purchase of property, plant and equipment including debt				
component of allowance for funds used during construction		(8,653)		(8,816)
Proceeds from sale of property				429
Net cash used for investing activities		(8,653)		(8,387)
	_	(-,		(-,)
			(continued)

Consolidated Statements of Cash Flows - Continued For the Years Ended December 31, 2022 and 2021 (in thousands)

	2022			2021
Cash Flows From Financing Activities:				
Borrowings (payments) on lines of credit, net	\$	(362)	\$	1,128
Payments on long-term debt		(9,152)		(6,046)
Contributions in aid of construction		16		40
Proceeds from long-term borrowings		7,441		9,614
Debt issuance costs		(323)		(302)
Dividends paid		(278)	_	(279)
Net cash provided by (used for) financing activities	_	(2,658)		4,155
Increase (Decrease) in cash, cash equivalents, and restricted cash		(76)		4,972
Cash, cash equivalents, and restricted cash at beginning of period		14,404	_	9,432
Cash, cash equivalents, and restricted cash at end of period	\$	14,328	\$	14,404

Supplemental Disclosure of Cash Flow and Non-cash Items For the Years Ended December 31, 2022 and 2021 (in thousands)

	 2022		
Cash paid during the period for:			
Interest	\$ 11,114	\$	10,907
Income taxes	151		105
Non-cash items:			
Contributions in aid of construction	1,381		2,093
Forgiveness of debt	112		89

Notes to the Consolidated Financial Statements

1. Description of Business and Summary of Significant Accounting Policies

Description of Business

Pennichuck Corporation ("the Company," "we," or "our") is a holding company head-quartered in Nashua, New Hampshire with five wholly owned operating subsidiaries: Pennichuck Water Works, Inc., ("Pennichuck Water") Pennichuck East Utility, Inc., ("Pennichuck East") and Pittsfield Aqueduct Company, Inc. ("PAC") (collectively referred to as the Company's "utility subsidiaries"), which are involved in regulated water supply and distribution to customers in New Hampshire; Pennichuck Water Service Corporation ("Service Corporation") which conducts non-regulated water-related services; and The Southwood Corporation ("Southwood") which has historically owned several parcels of undeveloped land.

The Company's utility subsidiaries are engaged principally in the collection, storage, treatment and distribution of potable water to approximately 39,000 customers throughout the State of New Hampshire. The utility subsidiaries, which are regulated by the New Hampshire Public Utilities Commission (the "NHPUC"), are subject to the provisions of Accounting Standards Codification ("ASC") Topic 980 "Regulated Operations."

Summary of Significant Accounting Policies

Basis of Presentation

The accompanying consolidated financial statements include the accounts of the Company and its wholly owned subsidiaries. All significant intercompany transactions have been eliminated in consolidation.

Use of Estimates in the Preparation of Consolidated Financial Statements

The preparation of consolidated financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the consolidated financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

Property, Plant and Equipment

Property, plant and equipment, which includes principally the water utility assets of the Company's utility subsidiaries, is recorded at cost plus an allowance for funds used during construction on major, long-term projects and includes property funded with contributions in aid of construction.

Maintenance, repairs and minor improvements are charged to expense as incurred. Improvements which significantly increase the value of property, plant and equipment are capitalized.

Cash and Cash Equivalents

Cash and cash equivalents generally consist of cash, money market funds and other short-term liquid investments with original maturities of three months or less.

Restricted Cash – RSF

This restricted cash balance consists of funds maintained for the Rate Stabilization Funds ("RSF"), which was initially established in conformity with the requirements of NHPUC Order No. 25,292, as explained more fully in Note 14 of these consolidated financial statements. The RSF is a set of imprest funds of \$5 million in the aggregate, which is subject to funding above or below the imprest fund balance, reflecting actual revenue and/or expense performance as it relates to prescribed revenue and specific expense levels supported by the RSF. The excess or deficient amount (versus the \$5 million imprest balances) is subject to return or collection to rate payers over the succeeding three-year period of time, as of the rate order issued with the next promulgated rate case filing. On November 7, 2017, the NHPUC approved and issued Order No. 26,070 which established new rates for Pennichuck Water. In addition, the rate order then authorized the reallocation of the initial and existing \$5,000,000 RSF among the Company's utility subsidiaries. Such that, Pennichuck Water's allocated share of the RSF funds would now be \$3,920,000, with the remaining balance of \$1,080,000 to be allocated between Pennichuck East and PAC. Rate order No. 26,179, under docket DW 17-128 then allocated \$980,000 of the \$1,080,000 to Pennichuck East with the remaining \$100,000 to PAC (for which the approval to allocate these funds to PAC was approved in November 2021 with rate order No. 26,544, in docket DW 20-153). The purpose for splitting and allocating the original RSF funds amongst the regulated subsidiary companies was to provide additional reserves at the individual entity level, which would aid in ensuring sufficient capital reserve funds are available to each entity Company, to support its operations. For the years ended December 31, 2022 and 2021, the aggregated balances in the RSFs and restricted cash accounts were approximately \$10.8 million and \$11.6 million, respectively.

Restricted Cash – CIAC

This restricted cash balance consists of funds maintained for the income tax impact from Contributions in Aid of Construction ("CIAC"), which was established in conformity with the NHPUC approval provided to the Company's regulated utilities on November 27, 2019. This amendment to the Company's tariffs allows for the recovery from developers and other CIAC contributors, the tax costs needed to fully fund the associated tax liability created from the elimination of an exemption whereby CIAC to water utilities was exempt from taxation, was eliminated with the passage of the Tax Cuts and Jobs Act of 2017 ("the TCJA"). The Infrastructure Investment and Jobs act of 2021 retroactively made CIAC non-taxable for federal tax, reversing the effect federally of the TCJA, whereas the taxation of CIAC for NH Business Profits Taxes remained in effect. Subsequently, in April 2022, legislation was passed in New Hampshire to reinstate the non-taxability of water utility CIAC for Business Profits Taxes. As such, the Company was able to cease collection of these taxes for both Federal and State purposes, after effective dates that the exemptions were reinstated. For the years ended December 31, 2022 and 2021, the balances in this restricted cash account were approximately \$134,000 and \$1.0 million, respectively. In accordance with the amended tariffs, these funds are the first used to pay for income tax liability payments incurred by the Company, when and if actually incurred.

Restricted Cash - Bond Project Funds

This restricted cash balance consists of funds remaining from the issuance or funding of semiannual debt service requirements of the Series 2014, 2019, 2020, 2021 and 2022 tax-exempt bonds (the "Bonds") in December of 2014, April of 2019, April and August of 2020, and April 2021 and April 2022, respectively. The proceeds from those bond issuance transactions are maintained in separate restricted cash accounts, with Trustee oversight, and are subject to withdrawal as a reimbursement of eligible capital project expenditures for the years 2014 through 2022, as defined by the indenture and issuance documents associated with each offering. The restricted cash accounts are also used as a "conduit" for the transfer of money from operating cash to restricted cash, allowing the Trustee to make the required payments to bondholders for principal and interest due semi-annually.

As of December 31, 2021, the funds in these restricted cash accounts totaled approximately \$255,000. During 2022, approximately \$258,000 was withdrawn from the restricted cash accounts to make the principal and interest payments for the Bonds, on January 1, July 1 and October 1. In December 2022, approximately \$222,000 was transferred into these restricted cash accounts from the Company's operating cash accounts, to provide the funds needed to make the net principal and interest payments due on January 1, 2023 for the Bonds. As of December 31, 2022, the funds in these restricted cash accounts totaled approximately \$219,000.

Concentration of Credit Risks

Financial instruments that subject the Company to credit risk consist primarily of cash (including cash equivalents and restricted cash) and accounts receivable. Cash balances are invested in financial institutions insured by the Federal Deposit Insurance Corporation ("FDIC"). At December 31, 2022 and 2021, the Company had approximately \$14,000,000 and \$14,500,000 in excess of FDIC insured limits, respectively. Our accounts receivable balances primarily represent amounts due from the residential, commercial and industrial customers of our regulated water utility operations, as well as receivables from our Service Corporation customers.

Accounts Receivable – Billed, Net

Water utility accounts receivable (regulated) are recorded at invoiced amounts.

Non-regulated accounts receivable are recorded based upon contracted prices when the Company obtains an unconditional right to payment under the terms of the contract.

The allowance for doubtful accounts is our best estimate of the amount of probable credit losses in our existing accounts receivable and is determined based on historical write-off experience and the aging of account balances. We review the allowance for doubtful accounts quarterly. Account balances are written off against the allowance when it is probable the receivable will not be recovered.

Accounts Receivable - Unbilled, Net

We read our customer meters on a monthly basis and record revenues based on meter reading results. Information from the last meter reading date is used to estimate the value of unbilled revenues through the end of the accounting period. Estimates of water utility revenues for water delivered to customers but not yet billed are accrued at the end of each accounting period. Actual results could differ from those estimates.

Inventory

Inventory is stated at the lower of cost or net realizable value, cost being determined using the average cost method which approximates the first-in, first-out (FIFO) method.

Deferred Charges and Other Assets

Deferred charges include certain regulatory assets and other assets. Regulatory assets are amortized over the periods they are recovered through NHPUC-authorized water rates. The Company's utility subsidiaries have recorded certain regulatory assets in cases where the NHPUC has permitted, or is expected to permit, recovery of these costs over future periods. Currently, the regulatory assets are being amortized over periods ranging from 2 to 25 years.

Unamortized Debt Issuance Costs

Unamortized debt issuance costs are amortized over the original term of the related bonds and notes. The Company's utility subsidiaries have recorded unamortized debt issuance costs in cases where the NHPUC has permitted, or is expected to permit, recovery of these costs over future periods. The debt issuance costs are being amortized over the original lives of the associated debt.

Contributions in Aid of Construction

Under construction contracts with real estate developers and others, the Company's utility subsidiaries may receive non-refundable grants or advances for the cost of installing new water mains or other capital assets. These grants or advances are recorded as CIAC. The Company's utility subsidiaries also record to plant and CIAC the fair market value of developer installed mains and any excess of fair market value over the cost of community water systems purchased from developers. CIAC are amortized over the life of the related properties.

Paycheck Protection Program Loan

The Company accounted for its Paycheck Protection Program (PPP) loan in accordance with the guidelines established by the Financial Accounting Standards Board (FASB) ASC 470, "Debt". The guidance required the Company to account for the proceeds from the PPP loan as debt and apply interest considering the ten-month interest payment deferral allowed for the loan. The Company elected to report the PPP loan as long-term debt until forgiveness was received or denied.

Revenue Recognition – Regulated Entities

Standard charges for water utility services to customers are recorded as revenue, based upon meter readings and contract service, as services are provided. The majority of the Company's water revenues are based on rates approved by the NHPUC. Estimates of unbilled service revenues are recorded in the period the services are provided. Provision is made in the consolidated financial statements for estimated uncollectible accounts.

Revenue Recognition – Non-Regulated Entities

The Company derives its non-regulated revenues primarily from water management services which include contract operations and maintenance, and water testing and billing services to municipalities and small, privately owned community water systems. Revenue is measured based on consideration specified in contracts with customers. The Company recognizes revenue when it satisfies performance obligations under the terms of the contract which generally occurs with the transfer of control of the services to the customer. Revenues from unplanned additional work are based upon time and materials incurred in connection with activities not specifically identified in the contract, or for which work levels exceed contracted amounts.

Revenues from real estate operations, other than undistributed earnings or losses from equity method joint ventures, are recorded upon completion of a sale of real property. The Company's real estate holdings outside of the Company's utility subsidiaries are comprised primarily of undeveloped land.

The Company does not have any significant financing components as payment is received at or shortly after the point of sale.

Contract Combination

To determine the proper revenue recognition method for contracts, the Company evaluates whether two or more contracts should be combined and accounted for as one single contract and whether the combined or single contract should be accounted for as more than one performance obligation. This evaluation requires significant judgment and the decision to combine a group of contracts or separate a combined or single contract into multiple performance obligations could change the amount of revenue and profit recorded in a given period. Contracts are considered to have a single performance obligation if the promise to transfer the individual goods or services is not separately identifiable from other promises in the contracts, which is mainly because the Company provides a significant service of integrating a complex set of tasks and components into a single project or capability.

For contracts with multiple performance obligations, the Company allocates the transaction price to each performance obligation using management's best estimate of the standalone selling price of each distinct good or service in the contract. In cases where the Company does not provide the distinct good or service on a standalone basis, the primary method used to estimate standalone selling price is the expected cost plus a margin approach, under which management forecasts the Company's expected costs of satisfying a performance obligation and then adds an appropriate margin for that distinct good or service.

Performance Obligations

For performance obligations related to operations, planned maintenance, and water testing and billing services, control transfers to the customer over time as the services are provided. These services are sold primarily to municipalities or small, privately owned community water systems. The majority of the Company's unplanned maintenance contracts are billed on a time and materials basis and revenue is recognized over time as the services are performed. The majority of the Company's operations, planned maintenance, and water testing and billing contracts are billed on a fixed price basis. For fixed price contracts, the Company measures its progress towards complete satisfaction of the performance obligation using a time-based measure. This method is used because management considers time elapsed to be the best available measure of progress on contracts.

Contract Estimates and Modifications

Due to the nature of the work required to be performed on many of the Company's performance obligations, the estimation of total revenue and cost at completion is complex, subject to many variables and requires significant judgment.

As a significant change in one or more of these estimates could affect the profitability of the Company's contracts, management reviews and updates the Company's contract-related estimates regularly through a Company-wide project review process in which management reviews the progress and execution of the Company's performance obligations and the estimate at completion. As part of this process, management reviews information including, but not limited to, any outstanding key contract matters, progress towards completion and the related program schedule, and the related changes in estimates of revenues and costs. Management must make assumptions and estimates regarding labor productivity and availability, the complexity of the work to be performed, the cost and availability of materials, among other variables.

The Company recognizes adjustments in estimated profit on contracts under the cumulative catch-up method. Under this method, the impact of the adjustment on profit recorded to date is recognized in the period the adjustment is identified. Revenue and profit in future periods of contract performance is recognized using the adjusted estimate. If at any time the estimate of contract profitability indicates an anticipated loss on the contract, the Company recognizes the total loss in the period it is identified.

Variable Consideration

Variable consideration is estimated at the most likely amount to which the Company is expected to be entitled. Any variable consideration is included in the transaction price to the extent it is probable that a significant reversal of cumulative revenue recognized will not occur when the uncertainty associated with the variable consideration is resolved. Estimates of variable consideration and the determination of whether to include estimated amounts in the transaction price are based largely on assessments of legal enforceability, the Company's performance, and all information (historical, current, and forecasted) that is reasonably available to management.

Variable consideration is allocated entirely to a performance obligation or to a distinct good or service within a performance obligation if it relates specifically to efforts to satisfy the performance obligation or transfer the distinct good or service, and the allocation depicts the amount of consideration the Company expects to be entitled.

Significant Judgments

The Company recognizes contract revenue for financial reporting purposes over time. Progress toward completion of the Company's contracts is measured using a time-based criterion for each contract and requires significant judgment. This method is used because management considers time-elapsed to be the best available measure of progress on contracts.

Contract Assets and Liabilities

Billing practices are governed by the contract terms of each project based upon achievement of milestones or pre-agreed schedules. Billings do not necessarily correlate with revenue recognized using a time-elapsed method of revenue recognition. Contract assets include unbilled amounts typically resulting from revenue under long-term contracts when the time-elapsed method of revenue recognition is utilized and revenue recognized exceeds the amount billed to the customer, and right to payment is not unconditional. Contract liabilities consist of deferred revenue.

Contract assets and liabilities are reported in a net position on a contract-by-contract basis at the end of each reporting period. The Company classifies deferred revenue as current or noncurrent based on the timing of when revenue is expected to be recognized. The current portion of deferred revenue is included in current liabilities in the Consolidated Balance Sheets.

Practical Expedients

The Company generally expenses pre-contract costs when incurred because the amortization period would have been one year or less.

Leases

The Company is the lessee in several noncancellable operating leases, for corporate office space and other office equipment. The Company determines if an arrangement is a lease, or contains a lease, at inception of a contract and when the terms of an existing contract are changed. The Company recognizes a lease liability and a right-of-use (ROU) asset at the commencement date of the lease. The lease liability is initially and subsequently recognized based on the present value of its future lease payments. Variable payments are included in the future lease payments when those variable payments depend on an index or a rate. The Company generally does not have access to the rate implicit in the lease, and therefore the Company utilizes its incremental borrowing rate as the discount rate for real estate and the risk-free rate as the discount rate for office equipment at the lease commencement date for all classes of underlying assets. The Company's incremental borrowing rate for a lease is the rate of interest it would have to pay on a collateralized basis to borrow an amount equal to the lease payments under similar terms and in a similar economic environment. The ROU asset is subsequently measured throughout the lease term at the amount of the remeasured lease liability (i.e., present value of the remaining lease payments), plus unamortized initial direct costs, plus (minus) any prepaid (accrued) lease payments, less the unamortized balance of lease incentives received, and any impairment recognized. Lease cost for operating lease payments is recognized on a straight-line basis over the lease term. Lease cost for finance lease payments is recognized on a straight-line basis over the lease term for the ROU asset amortization plus interest expense for the period.

The Company has elected, for all underlying classes of assets, to not recognize ROU assets and lease liabilities for short-term leases that have a lease term of 12 months or less at lease commencement, and do not include an option to purchase the underlying asset that the Company is reasonably certain to exercise. The Company recognizes lease cost associated with short-term leases on a straight-line basis over the lease term. The Company made an accounting policy election by class of underlying asset, for office equipment, to account for each separate lease component of a contract and its associated non-lease components (lessor-provided maintenance) as a single lease component.

Income Taxes

Income taxes are recorded using the accrual method and the provision for federal and state income taxes is based on income reported in the consolidated financial statements, adjusted for items not recognized for income tax purposes. Provisions for deferred income taxes are recognized for accelerated depreciation and other temporary differences. A valuation allowance is provided to offset any net deferred tax assets if, based upon available evidence, it is more likely than not that some or all of the deferred tax assets will not be realized. Investment tax credits previously realized for income tax purposes are amortized for financial statement purposes over the life of the property, giving rise to the credit.

Adoption of New Accounting Standards

Effective January 1, 2022, the Company adopted FASB ASC 842, *Leases*. The Company determines if an arrangement contains a lease at inception based on whether the Company has the right to control the asset during the contract period and other facts and circumstances. The Company elected the package of practical expedients permitted under the transition guidance within the new standard, which among other things, allowed it to carry forward the historical lease classification. The Company elected the short-term lease recognition exemption for all leases that qualify. Consequently, for those leases that qualify, the Company will not recognize right-of-use assets or lease liabilities on the consolidated balance sheet. The Company generally does not have access to the rate implicit in the lease, and therefore the Company utilizes its incremental borrowing for real estate and the risk-free rate for office equipment as the discount rate.

Adoption of ASC 842 resulted in the recognition of ROU assets of \$5,400,762 and operating lease liabilities of \$5,400,762 as of January 1, 2022. Results for periods beginning prior to January 1, 2022 continue to be reported in accordance with the Company's historical accounting treatment. Adoption of ASC 842 did not have a material impact on the Company's results of operations and cash flows. See Note 7.

See *Summary of Significant Accounting Policies, Leases,* above for further discussion of the effects of adopting ASC 842 on our significant accounting policies.

2. Property, Plant and Equipment

The components of property, plant and equipment as of December 31, 2022 and 2021 were as follows:

(in thousands)	2022	2021	Useful Lives (in years)
Utility Property:			
Land and land rights	5,963	\$ 5 <i>,</i> 956	-
Source of supply	73,535	74,318	3 - 70
Pumping and purification	32,901	32,374	7 - 64
Transmission and distribution, including			
services, meters and hydrants	206,375	202,139	15 - 91
General and other equipment	17,626	17,017	7 - 75
Intangible plant	790	790	20
Construction work in progress	1,234	376	
Total utility property	338,424	332,970	
Total non-utility property	5	5_	5 - 10
Total property, plant and equipment Less accumulated depreciation	338,429 (91,367)	332,975 (87,778)	
Property, Plant and Equipment, net \$	247,062	\$ 245,197	

The provision for depreciation is computed on the straight-line method over the estimated useful lives of the assets, which range from 3 to 91 years. The weighted average composite depreciation rate was 2.42% and 2.44% in 2022 and 2021, respectively.

3. Restricted Cash

The following table provides a reconciliation of cash, cash equivalents, and restricted cash reported within the consolidated balance sheets that sum to the total of the same such amounts shown in the consolidated statements of cash flows.

(in thousands)	2022		2021
Cash and cash equivalents	\$ 3,138	\$	1,493
Restricted cash - RSFs and Restricted Accounts	10,837		11,619
Restricted cash - CIAC	134		1,037
Restricted cash - Bond Project Funds	219	_	255
Total cash, cash equivalents and restricted cash			
shown in the consolidated statements of cash flows	\$ 14,328	\$	14,404

Amounts included in restricted cash represent those required to be set aside as outlined in Note 1.

4. Accounts Receivable

Accounts receivable consisted of the following at December 31, 2022 and 2021:

(in thousands)	2022			2021	
Accounts receivable - billed Less allowance for doubtful accounts	\$!	5,118 (70)	\$ _	3,663 (87)	
Accounts receivable - billed, net	\$	5,048	\$_	3,576	
Accounts receivable - unbilled Less allowance for doubtful accounts	\$ 3	3,277 	\$	6,277 -	
Accounts receivable - unbilled, net	\$3	3,277	\$_	6,277	

5. Deferred Charges and Other Assets

Deferred charges and other assets as of December 31, 2022 and 2021 consisted of the following:

					Recovery Period						
(in thousands)	2022		2022		2022		2022			2021	(in years)
Regulatory assets:											
Source development charges	\$	908	\$	1,016	5 - 25						
Miscellaneous studies		1,031		1,099	2 - 25						
Unrecovered pension and post-retirement											
benefits expense		1,379	_	9,560	(1)						
Total regulatory assets		3,318		11,675							
Supplemental executive retirement plan asset	_	866	_	841							
Total deferred charges and other assets	\$_	4,184	\$_	12,516							

 $^{^{(1)}}$ We expect to recover these amounts consistent with the anticipated expense recognition of these assets.

6. Post-Retirement Benefit Plans

Pension Plan and Other Post-Retirement Benefits

The Company has a non-contributory, defined benefit pension plan (the "DB Plan") that covers substantially all employees. The benefits are based on years of service and participant compensation levels. The Company's funding policy is to contribute annual amounts that meet the requirements for funding under the U.S. Department of Labor's Pension Protection Act. Contributions are intended to provide not only for benefits attributed to service to date, but also for those expected to be earned in the future.

Post-retirement medical benefits are provided for eligible retired employees through one of two plans (collectively referred to as our "OPEB Plans"). For employees who retire on or after the normal retirement age of 65, benefits are provided through a post-retirement plan (the "Post-65 Plan"). For eligible non-union employees who retire prior to their normal retirement age and who have met certain age and service requirements, benefits are provided through a post-employment medical plan (the "Post-employment Plan"). Future benefits under the Post-65 Plan increase annually based on the actual percentage of wage and salary increases earned from the plan inception date to the normal retirement date. The benefits under the Post-employment Plan allow for the continuity of medical benefits coverage at group rates from the employee's retirement date until the employee becomes eligible for Medicare, which are fully funded by the retiree. The liability related to the Post-65 Plan will be funded from the general assets of our Company.

Upon retirement, if a qualifying employee elects to receive medical benefits under our Post-65 Plan, we pay up to a maximum monthly benefit of \$393 based on years of service.

The following table sets forth information regarding our DB Plan and our OPEB Plans as of December 31, 2022 and for the year then ended:

(in thousands)	 DB Plan		EB Plans
Projected benefit obligations	\$ 29,787	\$	3,878
Employer contribution	863		11
Benefits paid, excluding expenses	(862)		(91)
Fair value of plan assets	23,610		524
Accumulated benefit obligation	27,616		-
Funded status	(6,177)		(3,401)
Net periodic benefit cost	1,310		368
Amount of the funded status recognized in the			
Consolidated Balance Sheet consisted of:			
Current liability	-		-
Non-current liability	 (6,177)		(3,401)
Total	\$ (6,177)	\$	(3,401)

The following table sets forth information regarding our DB Plan and our OPEB Plans as of December 31, 2021 and for the year then ended:

(in thousands)		DB Plan		DB Plan		OPE	EB Plans
Projected benefit obligations	\$	39,455		\$	5,443		
Employer contribution		1,144			11		
Benefits paid, excluding expenses		(839)			(85)		
Fair value of plan assets		27,296			695		
Accumulated benefit obligation		35,558			-		
Funded status		(12,159)			(4,748)		
Net periodic benefit cost		1,950			415		
Amount of the funded status recognized in the							
Consolidated Balance Sheet consisted of:							
Current liability		-			-		
Non-current liability		(12,159)			(4,748)		
Total	\$	(12,159)		\$	(4,748)		

The components of net periodic benefit cost other than the service cost component are included in the line item operations and maintenance in the consolidated statements of income (loss), as the amounts are immaterial to these consolidated financial statements.

Changes in plan assets and benefit obligations recognized in regulatory assets, for the year ended December 31, 2022, were as follows:

(in thousands)	DB Plan		OP	EB Plans
Regulatory asset balance, beginning of period	\$	8,454	\$	1,106
Net actuarial gain incurred during the period		(6,099)		(1,730)
Prior service cost incurred during the period		-		16
Recognized net actuarial gain		(330)		(38)
Regulatory asset balance, end of period	\$	2,025	\$	(646)

Changes in plan assets and benefit obligations recognized in regulatory assets, for the year ended December 31, 2021, were as follows:

(in thousands)	DB Plan		OF	PEB Plans
Regulatory asset balance, beginning of period	\$	12,525	\$	1,672
Net actuarial gain incurred during the period		(3,420)		(510)
Prior service cost incurred during the period		-		16
Recognized net actuarial gain		(651)		(72)
Regulatory asset balance, end of period	\$	8,454	\$	1,106

Amounts recognized in regulatory assets for the DB and OPEB Plans that have not yet been recognized as components of net periodic benefit cost of the following as of December 31, 2022:

(in thousands)	 OB Plan	0	PEB Plans
Net actuarial (gain) loss	\$ 2,025	\$	(563)
Prior service cost	 <u>-</u>	_	(83)
Regulatory asset	\$ 2,025	\$_	(646)

Amounts recognized in regulatory assets for the DB and OPEB Plans that have not yet been recognized as components of net periodic benefit cost of the following as of December 31, 2021:

(in thousands)	D	DB Plan		EB Plans
Net actuarial loss	\$	8,454	\$	1,205
Prior service cost				(99)
Regulatory asset	\$	8,454	\$	1,106

The key assumptions used to value benefit obligations and calculate net periodic benefit cost for our DB and OPEB Plans include the following:

	2022	2021
Discount rate for net periodic benefit cost, beginning of year	2.74%	2.39%
Discount rate for benefit obligations, end of year ^(a)	4.98%	2.74%
Expected return on plan assets for the period (net of investment expenses)	7.00%	7.00%
Rate of compensation increase, beginning of year	3.00%	3.00%
Healthcare cost trend rate (applicable only to OPEB Plans)	5.00%	5.50%

⁽a) An increase or decrease in the discount rate of 0.5% would result in a change in the funded status as of December 31, 2022, for the DB Plan and the OPEB Plans of approximately \$2.0 million and \$291 thousand, respectively.

The estimated net actuarial loss for our DB Plan that will be amortized in 2023 from the regulatory assets into net periodic benefit costs is \$2,025. The estimated net actuarial gain and prior service cost for our OPEB Plans that will be amortized in 2023 from the regulatory assets into net periodic benefit costs is \$646.

In establishing its investment policy, the Company has considered the fact that the DB Plan is a major retirement vehicle for its employees and the basic goal underlying the establishment of the policy is to provide that the assets of the DB Plan are invested in accordance with the asset allocation range targets to achieve our expected return on DB Plan assets. The Company's investment strategy applies to its OPEB Plans as well as the DB Plan. The expected long-term rate of return on DB Plan and OPEB Plan assets is based on the Plans' expected asset allocation, expected returns on various classes of Plan assets, as well as historical returns.

The assets of our Post-65 Plan are held in two separate Voluntary Employee Beneficiary Association ("VEBA") trusts. The VEBA plan assets are maintained in directed trust accounts at a commercial bank.

The investment strategy for the Company's DB Plan and OPEB Plans utilizes several different asset classes with varying risk/return characteristics. The following table indicates the asset allocation percentages of the fair value of the DB Plan and OPEB Plans' assets for each major type of plan asset as of December 31, 2022, as well as the targeted allocation range:

	DB Plan		OPE	3 Plans
	Asset			Asset
		Allocation		Allocation
		Range		Range
Equities	61%	30% - 100%	71%	30% - 100%
Fixed income	15%	20% - 70%	16%	0% - 50%
Cash and cash equivalents	24%	0% - 15%	13%	0% - 15%
Total	100%		100%	

The following table indicates the asset allocation percentages of the fair value of the DB Plan and OPEB Plans' assets for each major type of plan asset as of December 31, 2021, as well as the targeted allocation range:

	DB Plan		OPE	3 Plans
		Asset		Asset
		Allocation		Allocation
		Range		Range
Equities	61%	30% - 100%	74%	30% - 100%
Fixed income	15%	20% - 70%	17%	0% - 50%
Cash and cash equivalents	24%	0% - 15%	9%	0% - 15%
Total	100%		100%	

Management uses its best judgment in estimating the fair value of its financial instruments. However, there are inherent weaknesses in any estimation technique. Therefore, for substantially all financial instruments, the fair value estimates herein are not necessarily indicative of the amounts that we could realize in a sales transaction for these instruments. The estimated fair value amounts have been measured as of year-end and have not been reevaluated or updated for purposes of these consolidated financial statements subsequent to those respective dates.

Investments in common stock and mutual funds are stated at fair value by reference to quoted market prices. Money market funds are valued utilizing the net asset value per unit based on the fair value of the underlying assets as determined by the directed trustee.

The DB Plan also holds assets under an immediate participation guarantee group annuity contract with a life insurance company. The assets under the contract are invested in pooled separate accounts and in a general investment account. The pooled separate accounts are valued based on net asset value (NAV) per unit of participation in the fund. The NAV is used as a practical expedient to estimate fair values. This practical expedient is not used when it is determined to be probable that the fund will sell the investment for an amount different than that reported at NAV. These accounts have no unfunded commitments or significant redemption restrictions at year-end. The value of these units is determined by the trustee based on the current market values of the underlying assets of the pooled separate accounts. Therefore, the value of the pooled separate accounts is deemed to be at estimated fair value.

The general investment account is not actively traded, and significant other observable inputs are not available. The fair value of the general investment account is calculated by discounting the related cash flows based on current yields of similar instruments with comparable durations.

The methods described above may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Plan's management believes the valuation methodologies are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain investments could result in a different fair value measurement at the reporting date.

A fair value hierarchy which prioritizes the inputs to valuation methods is used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements).

The fair value of DB Plan and OPEB Plan assets by levels within the fair value hierarchy used as of December 31, 2022 was as follows:

(in thousands)	_Fa	air Value		Level 1	Level 2	L	evel 3
DB Plan:							
Guaranteed Interest Accounts	\$	5,668	\$_		\$ 	\$_	5,668
Total Assets in the Fair Value Hierarchy		5,668		-	-		5,668
Investments measured at net asset value ^(a)		17,942	_			_	
DB Plan Investments, at Fair Value		23,610	-			_	5,668
OPEB Plans:							
Common stocks		276		276	-		-
Mutual funds		96		96	-		-
Fixed income funds		85		85	-		-
Money market funds		67	_	-	67	_	-
Total Assets in the Fair Value Hierarchy		524		457	67		-
Investments measured at net asset value (a)		-	_			_	-
OPEB Plans Investments, at Fair Value		524	_	457	67	_	
Totals	\$	24,134	\$_	457	\$ 67	\$_	5,668

⁽a) In accordance with Subtopic 820-10, certain investments that were measured at fair value using the net asset value per share (or its equivalent) practical expedient have not been classified in the fair value hierarchy. The fair value amounts presented in this table are intended to permit reconciliation of the fair value hierarchy to the amounts presented in the statements of assets available for benefits of the Plans.

The fair value of DB Plan and OPEB Plan assets by levels within the fair value hierarchy used as of December 31, 2021 was as follows:

(in thousands)	Fair V	/alue		evel 1	Le	evel 2		evel 3
DB Plan:								
Guaranteed Interest Accounts	\$ <u>6</u>	,642	\$_	-	\$_		\$_	6,642
Total Assets in the Fair Value Hierarchy	6	,642		-		-		6,642
Investments measured at net asset value (a)	20	,654	_	-	<u> </u>		_	
DB Plan Investments, at Fair Value	27	,296	_	-	_		_	6,642
OPEB Plans:								
Common stocks		373		373		-		-
Mutual funds		138		138		-		-
Fixed income funds		120		120		-		-
Money market funds		63	_	-	. <u> </u>	63		-
Total Assets in the Fair Value Hierarchy		694		631		63		-
Investments measured at net asset value ^(a)			_	-	_		_	
OPEB Plans Investments, at Fair Value		694	_	631	_	63	_	
Totals	\$ 27	,990	\$_	631	\$	63	\$_	6,642

(a) In accordance with Subtopic 820-10, certain investments that were measured at fair value using the net asset value per share (or its equivalent) practical expedient have not been classified in the fair value hierarchy. The fair value amounts presented in this table are intended to permit reconciliation of the fair value hierarchy to the amounts presented in the statements of assets available for benefits of the Plans.

- Level 1: Based on quoted prices in active markets for identical assets.
- Level 2: Based on significant observable inputs.
- Level 3: Based on significant unobservable inputs.

The following table summarizes investments at fair value based on NAV per share as of December 31, 2022 and 2021, respectively:

(in thousands)	<u>_</u> F	air Value
December 31, 2022 Pooled Separate Accounts:		
Equities	\$	14,377
Fixed Income	_	3,565
Total Pooled Separate Accounts	\$_	17,942
December 31, 2021 Pooled Separate Accounts: Equities Fixed Income	\$	16,648 4,006
Total Pooled Separate Accounts	\$	20,654

The following table presents a period-end reconciliation of DB Plan assets measured and recorded at fair value on a recurring basis, using significant unobservable inputs (Level 3):

(in thousands)	2022			2021
Balance, beginning of year	\$	6,642	\$	5,731
Plan transfers		(381)		202
Contributions		216		599
Benefits paid		(874)		-
Return on plan assets (net of investment expenses)		65_	_	110
Balance, end of year	\$	5,668	\$_	6,642

In order to satisfy the minimum funding requirements of the Employee Retirement Income Security Act of 1974, applicable to defined benefit pension plans, the Company anticipates it will contribute approximately \$0.75 million to the DB Plan in 2023.

The following maximum benefit payments, which reflect expected future service, as appropriate, are expected to be paid in the years indicated:

(in thousands)		DB Plan		Ol	PEB Plans
2023	\$ 1,225			\$	115
2024		1,401			129
2025		1,521			140
2026		1,589			151
2027		1,736			169
2028 and thereafter		10,429			1,060
Total	\$_	17,901		\$_	1,764

Because the Company is subject to regulation in the state in which it operates, we are required to maintain our accounts in accordance with the regulatory authority's rules and regulations. In those instances, we follow the guidance of ASC Topic 980 ("Regulated Operations"). Based on prior regulatory practice, we recorded underfunded DB Plan and OPEB Plan obligations as a regulatory asset, and we expect to recover those costs in rates charged to customers.

Defined Contribution Plan

In addition to the defined benefit plan, the Company provides and maintains a defined contribution plan covering substantially all employees. Under this plan, the Company matches 100% of the first 3% of each participating employee's eligible compensation contributed to the plan. The matching employer's contributions, recorded as operating expenses, were approximately \$311,000 and \$294,000 for the years ended December 31, 2022 and 2021, respectively.

7. Leases

The Company leases its corporate office facilities and office equipment for various terms under long-term, noncancelable operating lease agreements. The leases expire at various dates through 2025 and provide for renewal options ranging from 3 months to 5 years. The exercise of these renewal options is at the sole discretion of the Company, and only lease options that the Company believes are reasonably certain to exercise are included in the measurement of the lease assets and liabilities. In the normal course of business, it is expected that these leases will be renewed or replaced by leases on other properties.

Operating lease costs were approximately \$383,000 during the year ended December 31, 2022. These costs are primarily related to long-term operating leases but may also include immaterial amounts for variable lease payments and short-term leases with terms greater than 30 days.

During the year ended December 31, 2022, the Company had the following cash and non-cash activities related to leases:

(in thousands)

Cash paid for amounts included in the measurement of lease liabilities:

Operating cash flows for operating leases \$ 383

Non-cash investing and financing activities:

ROU assets obtained in exchange for lease liabilities:

Operating leases \$ 5401

Weighted average lease term and discount rate as of December 31, 2022 were as follows:

Weighted average remaining lease term	9.88
Weighted average discount rate	5.00%

Maturities of lease liabilities under noncancellable operating leases as of December 31, 2022, are as follows for the years ending December 31:

(in thousands)		
2023	\$	380
2024		380
2025		380
2026		380
2027		380
Thereafter	_	8,729
Total lease payments		10,629
Less imputed interest	_	(5,528)
Present value of lease liability	\$	5,101

Rent expense, as previously defined under FASB ASC 840, for all operating leases was \$385,300 for the year ended December 31, 2021

8. Financial Measurement and Fair Value of Financial Instruments

Management uses its best judgment in estimating the fair value of its financial instruments. However, there are inherent weaknesses in any estimation technique. Therefore, for substantially all financial instruments, the fair value estimates herein are not necessarily indicative of the amounts that we could realize in a sales transaction for these instruments. The estimated fair value amounts have been measured as of the period end and have not been reevaluated or updated for purposes of these consolidated financial statements subsequent to those respective dates.

A fair value hierarchy is used, which prioritizes the inputs to valuation methods used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). The three levels of fair value hierarchy are as follows:

- Level 1: Based on quoted prices in active markets for identical assets.
- Level 2: Based on significant observable inputs.
- Level 3: Based on significant unobservable inputs.

An asset or liability's level within the fair value hierarchy is based on the lowest level of input that is significant to the fair value measurement.

For assets and liabilities measured at fair value on a recurring basis, the fair value measurement by levels within the fair value hierarchy used as of December 31, 2022 and 2021 were as follows:

		December 31, 2022						
(in thousands)	Total	Level 1	Level 2	Level 3				
Liabilities: Interest rate swap	\$ (10)	\$	\$(10)	\$ <u>-</u>				
		Decembe	r 31, 2021					
(in thousands)	Total	Level 1	Level 2	Level 3				
Liabilities: Interest rate swap	\$ <u>(290)</u>	\$	\$ (290)	\$				

The carrying value of certain financial instruments included in the accompanying Consolidated Balance Sheets, along with the related fair value, as of December 31, 2022 and 2021 was as follows:

	2022			2021				
	Carr	Carrying Fair		Fair	Carrying			Fair
(in thousands)	Value Value		Value		Value			
Liabilities:								
Interest rate swap liability	\$	(10)	\$_	(10)	\$	(290)	\$_	(290)

The fair market value of the interest rate swap represents the estimated cost to terminate this agreement as of December 31, 2022 and 2021 based upon the then-current interest rates and the related credit risk.

The carrying values of our cash and cash equivalents, restricted cash, accounts receivable and accounts payable approximate their fair values because of their short-term maturity dates. The carrying value of CIAC approximates its fair value because it is expected that this is the amount that will be recovered in future rates. The carrying values of lines of credit and long-term debt approximate fair value, as interest rates approximate market rates.

9. Revenue from Contracts with Customers – Non-Regulated Entities

Revenue is recognized when control of the promised goods or services is transferred to customers, in an amount that reflects the consideration we expect to be entitled to in exchange for those goods or services.

Disaggregation of Revenue

For the years ended December 31, 2022 and 2021, revenue recognized for goods and services transferred over time totaled \$2,857,868 and \$3,339,069, respectively.

For the year ended December 31, 2022, approximately 48% of revenues were from large-contract customers, 31% of revenues were from small contract customers (con-ops), and 21% of revenues were from residential maintenance and other customers. For the year ended December 31, 2021, approximately 58% of revenues were from large-contract customers, 25% of revenues were from small contract customers (con-ops), and 17% of revenues were from residential maintenance and other customers. In addition, substantially all of the Company's contracts were service-related type contracts.

10. Income Taxes

The components of the federal and state income tax provision (benefit) as of December 31, 2022 and 2021 were as follows:

(in thousands)	2022	2021
Federal State Amortization of investment tax credits	\$ (391) (163) (33)	\$ (151) (5) (33)
Total	\$ (587)	\$ (189)
Current Deferred	\$ - (587)	\$ (127) (62)
Total	\$ (587)	\$ (189)

The following is a reconciliation between the statutory federal income tax rate and the effective income tax rate for 2022 and 2021:

	2022	2021
Statutory federal rate	21.0 %	21.0 %
State tax rate, net of federal benefits	6.1	6.1
Permanent differences	(2.9)	(23.0)
Amortization of investment tax credits	1.4	0.9
Effective tax rate	<u>25.6</u> %	<u>5.0</u> %

The temporary items that give rise to the net deferred tax liability as of December 31, 2022 and 2021 were as follows:

(in thousands)	2022	2021
Liabilities:		
Property-related, net	\$ 23,668	\$ 23,417
Other	922	740
Total liabilities	24,590	24,157
Assets:		
Pension accrued liability	2,043	1,817
Net operating loss carryforward	7,105	6,331
Alternative minimum tax credit	476	476
NH Business Enterprise Tax credits	967	1,103
Other	548	682
	11,139	10,409
Less valuation allowance	(967)	(1,102)
Total assets	10,172	9,307
Net deferred income tax liability	\$ <u>14,418</u>	\$ <u>14,850</u>

The Company has accumulated federal net operating losses. The federal tax benefit of the cumulative net operating losses is approximately \$5.3 million, begins to expire in 2033, and is included in deferred income taxes in the Consolidated Balance Sheet as of December 31, 2022. Approximately 75% of the net operating losses are 100% available to be applied to taxable income in future years and are not subject to the TCJA as they were generated prior to the 2018 tax year. The enactment of the TCJA now limits the net operating loss shelter to 80% of taxable income, for post-2017 tax year losses. The TCJA also provides for net operating losses to be carried forward indefinitely instead of limited to 20 years, as is the case for pre-2018 losses; however, carrybacks of these losses are no longer permitted. Approximately 25% of the net operating losses were generated in 2019 through 2021 and therefore are subject to the 80% limitation.

The Company has accumulated New Hampshire net operating losses. The New Hampshire tax benefit of the cumulative net operating loss is approximately \$1.8 million which begins to expire in 2023 and is included in deferred income taxes in the Consolidated Balance Sheet as of December 31, 2022.

As of December 31, 2022 and 2021, it is estimated that approximately \$476,000 and \$476,000, respectively, of cumulative federal alternative minimum tax credits may be carried forward indefinitely as a credit against our regular tax liability.

As of December 31, 2022 and 2021, the Company had New Hampshire Business Enterprise Tax ("NHBET") credits of approximately \$967,000 and \$1,100,000, respectively. NHBET credits begin to expire in 2023. It is anticipated that these NHBET credits will not be fully utilized before they expire; therefore, a valuation allowance has been recorded related to these credits. The valuation allowance decreased by approximately \$135,000 and \$146,000 in the years ended December 31, 2022 and 2021, respectively.

Investment tax credits resulting from utility plant additions are deferred and amortized. The unamortized investment tax credits are being amortized through the year 2033.

The Company had a regulatory liability related to income taxes of approximately \$9,894,000 and \$9,906,000 as of December 31, 2022 and 2021, respectively. This represents the estimated future reduction in revenues associated with deferred taxes which were collected at rates higher than the currently enacted rates and the amortization of deferred investment tax credits.

A review of the portfolio of uncertain tax positions was performed. In this regard, an uncertain tax position represents the expected treatment of a tax position taken in a filed tax return, or as planned to be taken in a future tax return, that has not been reflected in measuring income tax expense for financial reporting purposes. As a result of this review, it was determined that the Company had no material uncertain tax positions, and tax planning strategies will be used, if required and when possible, to avoid the expiration of any future net operating loss and/or tax credits.

The Company's practice is to recognize interest and/or penalties related to income tax matters in "Other, Net" in the Consolidated Statements of Income. We incurred no interest in 2022 and 2021. We incurred no penalties during the years ended December 31, 2022 and 2021.

11. Long-Term Debt

Long-term debt as of December 31, 2022 and 2021 consisted of the following:

	2022			
			Una	mortized
			Debt	Issuance
(in thousands)	Р	rincipal	(Costs
Unsecured note payable to City of Nashua, 5.75%,	_			
due 12/25/2041	\$	96,937	\$	-
Unsecured Business Finance Authority:				
Revenue Bonds (Series 2014B), 4.50%, due January 1, 2045		4,615		96
Revenue Bonds (Series 2018A), interest rates from 4.375% to 5.00%,				
due April 1, 2048		4,460		226
Revenue Bonds (Series 2018B), 4.33%, due April 1, 2028		705		37
Revenue Bonds (Series 2019A), interest rates from 2.19% to 4.15%,				
due April 1, 2049		7,805		258
Revenue Bonds (Series 2020A), interest rates from 3.15% to 4%,				
due April 1, 2050		7,000		265
Revenue Bonds (Series 2020B), 5.25%, due April 1, 2023		125		1
Revenue Bonds (Series 2020C), interest rates from 1.25% to 4.02%,				
due September 1, 2055 (3)		71,195		5,018
Revenue Bonds (Series 2021A), interest rates from 4% to 5%,				
due April 1, 2051		4,985		234
Revenue Bonds (Series 2021B), 1.05%, due April 1, 2024		85		-
Revenue Bonds (Series 2022A), interest rate 4 to 5%,				
due April 1, 2052		6,695		262
Revenue Bonds (Series 2022B), 3.63%, due April 1,2025		90		-
Unsecured notes payable to bank, floating-rate, due March 1, 2030		2,030		9
Unsecured notes payable to bank, 3.62%, due June 20, 2023		1,060		1
Unsecured notes payable to bank, 4.20%, due December 20, 2041		1,058		5
Unsecured notes payable to bank, 4.83%, due December 20, 2041		815		4
Unsecured notes payable to bank, 4.25%, due June 20, 2033		583		5
Unsecured notes payable to bank, 4.90%, due March 6, 2040		506		28
Unsecured notes payable to bank, 5.33%, due June 20, 2043		316		9
Unsecured notes payable to bank, 4.38%, due September 20, 2044		1,063		14
Unsecured notes payable to bank, 3.98%, due January 1, 2046		761		12
Unsecured notes payable to bank, 4.18%, due October 20, 2046		1,105		10
Unsecured notes payable to bank, 4.25%, due December 20, 2046		2,489		13
Unsecured notes payable to bank, 7.16%, due October 1, 2047		654		6
Unsecured New Hampshire State Revolving Fund ("SRF") notes (1)		21,269		157
Unsecured New Hampshire Drinking Water & Groundwater Trust				
Fund ("DWGTF") notes (2)		8,337		20
Unamortized debt issuance costs for defeased obligations,				
allowed by regulation		-		2,751
Total		246,743	Ś	9,441
Less current portion		(7,999)	<u> </u>	3,441
Less unamortized debt issuance costs		(9,441)		
	_	(3,441)		
Total long-term debt, less current portion				
and unamortized debt issuance costs	\$ <u></u>	229,303		

(1) SRF notes are due through 2051 at interest rates ranging from 1% to 3.8%. These notes are payable in 120 to 360 consecutive monthly installments of principal and interest. The 1% rate applies to construction projects still in process until the earlier of (i) the date of substantial completion of the improvements, or (ii) various dates specified in the note (such earlier date being the interest rate change date). Commencing on the interest rate change date, the interest rate changes to the lower of (i) the rate as stated in the note or (ii) 80% of the established 11 General Obligations Bond Index published during the specified time period before the interest rate change date.

(3) Revenue Bonds (2020C) proceeds were partially used to advance refund the 2014A, 2015A and 2015B bonds with maturity dates of January 1, 2045, January 1, 2046, and January 1, 2031, respectively. The advance refunding proceeds are held in escrow until their future call dates of December 2023 and December 2024, to then be used to facilitate retirement of the bonds. Of the remaining \$5,018 of Unamortized Debt Issuance Costs as of December 31, 2020 generated by the September 2nd issuance, \$3,713 are directly tied the advance refunding and will fully-amortize on a straight-line basis until their respective call dates.

⁽²⁾ DWGTF notes are due through 2051 at interest rates ranging from 2.7% to 3.4%. These notes are payable in 360 consecutive monthly installments of principle and interest. The 1% rate applies to construction projects still in process until the earlier of (i) the date of substantial completion of the improvements or (ii) June 1, 2020 as specified in the note (such earlier date being the interest rate change date). Commencing on the interest rate change date, the interest rate change to the rate as stated in the note.

	2021			
(in thousands)		rincipal	Deb	amortized t Issuance Costs
(iii tilousarius)	<u>r</u>	ППСІраї	-	COSIS
Unsecured note payable to City of Nashua, 5.75%, due 12/25/2041	\$	99,632	Ś	
	Ą	99,032	ب	-
Unsecured Business Finance Authority:		. 705		404
Revenue Bonds (Series 2014B), 4.50%, due January 1, 2045		4,725		101
Revenue Bonds (Series 2018A), interest rates from 4.375% to 5.00%,		4.460		225
due April 1, 2048		4,460		235
Revenue Bonds (Series 2018B), 4.33%, due April 1, 2028		805		44
Revenue Bonds (Series 2019A), interest rates from 2.19% to 4.15%,		7.045		267
due April 1, 2049		7,945		267
Revenue Bonds (Series 2020A), interest rates from 3.15% to 4%,		7,000		275
due April 1, 2050		255		2/5 7
Revenue Bonds (Series 2020B), 5.25%, due April 1, 2023		255		/
Revenue Bonds (Series 2020C), interest rates from 1.25% to 4.02%, due September 1, 2055 (3)		72,420		7,836
Revenue Bonds (Series 2021A), interest rates from 4% to 5%,		72,420		7,030
due April 1, 2051		5,065		240
Revenue Bonds (Series 2021B), 1.05%, due April 1, 2024		125		240 5
Unsecured notes payable to bank, floating-rate, due March 1, 2030		2,267		10
Unsecured notes payable to bank, noting-rate, due March 1, 2000 Unsecured notes payable to bank, 3.62%, due June 20, 2023		1,141		2
Unsecured notes payable to bank, 3.02%, due June 20, 2023 Unsecured notes payable to bank, 4.20%, due December 20, 2041		1,141		4
Unsecured notes payable to bank, 4.20%, due December 20, 2041		840		5
Unsecured notes payable to bank, 4.25%, due June 20, 2041		626		5
Unsecured notes payable to bank, 4.25%, due June 20, 2003 Unsecured notes payable to bank, 4.90%, due March 6, 2040		524		30
Unsecured notes payable to bank, 4.50%, due March 6, 2040 Unsecured notes payable to bank, 5.33%, due June 20, 2043		324		10
Unsecured notes payable to bank, 4.38%, due September 20, 2044		1,091		15
Unsecured notes payable to bank, 3.98%, due January 1, 2046		781		12
Unsecured notes payable to bank, 4.18%, due October 20, 2046		1,131		11
Unsecured notes payable to bank, 4.25%, due December 20, 2046		2,547		12
Unsecured New Hampshire State Revolving Fund ("SRF") notes (1)		22,592		152
Unsecured New Hampshire Drinking Water & Groundwater Trust		22,552		101
Fund ("DWGTF") notes (2)		8,520		10
Paycheck Protection Program Loan, 1.00%, due May 7, 2022		2,544		2
Unamortized debt issuance costs for defeased obligations,		,-		
allowed by regulation		-		2,952
, ,			_	
Total		248,454	\$	12,242
Less current portion		(9,149)		
Less unamortized debt issuance costs		(12,242)		
Total long-term debt, less current portion				
and unamortized debt issuance costs	\$	227,063		

⁽¹⁾ SRF notes are due through 2051 at interest rates ranging from 1% to 3.8%. These notes are payable in 120 to 240 consecutive monthly installments of principal and interest. The 1% rate applies to construction projects still in process until the earlier of (i) the date of substantial completion of the improvements, or (ii) various dates specified in the note (such earlier date being the interest rate change date). Commencing on the interest rate change date, the interest rate changes to the lower of (i) the rate as stated in the note or (ii) 80% of the established 11 General Obligations Bond Index published during the specified time period before the interest rate change date.

⁽²⁾ DWGTF notes are due through 2050 at interest rates ranging from 2.7% to 3.4%. These notes are payable in 360 consecutive monthly installments of principle and interest. The 1% rate applies to construction projects still in process until the earlier of (i) the date of substantial completion of the improvements or (ii) June 1, 2020 as specified in the note (such earlier date being the interest rate change date). Commencing on the interest rate change date, the interest rate change to the rate as stated in the note.

⁽³⁾ Revenue Bonds (2020C) proceeds were partially used to advance refund the 2014A, 2015A and 2015B bonds with maturity dates of January 1, 2045, January 1, 2046, and January 1, 2031, respectively. The advance refunding proceeds are held in escrow until their future call dates of December 2023 and December 2024, to then be used to facilitate retirement of the bonds. Of the remaining \$7,836 of Unamortized Debt Issuance Costs as of December 31, 2020 generated by the September 2nd issuance, \$6,491 are directly tied the advance refunding and will fully-amortize on a straight-line basis until their respective call dates.

The aggregate principal payment requirements subsequent to December 31, 2022 are as follows:

(in thousands)		Amount
2023	\$	7,999
2024		7,231
2025		7,500
2026		7,796
2027		8,086
2028 and thereafter	_	208,131
Total	\$	246,743

Several of Pennichuck Water's loan agreements contain a covenant that prevents Pennichuck Water from declaring dividends if Pennichuck Water does not maintain a minimum net worth of \$4.5 million. As of December 31, 2022 and 2021, Pennichuck Water's net worth was \$92.0 million and \$97.8 million, respectively.

The 2014B, 2018A, 2018B, 2019A, 2020A, 2020B, 2020C, 2021A, 2021B, 2022A and 2022B bonds were issued under a new bond indenture and loan and trust agreement, established with the issuance of the 2014 Series Bonds, which contains certain covenant obligations upon Pennichuck Water, which are as follows:

<u>Debt to Capital Covenant</u> - Pennichuck Water cannot create, issue, incur, assume or guarantee any short-term debt if (1) the sum of the short-term debt plus its funded debt ("Debt") shall exceed 85% of the sum of its short-term debt, funded debt and capital stock plus surplus accounts ("Capital"), unless the short-term debt issued in excess of the 85% is subordinated to the Series 2014 bonds. Thereby, the ratio of Debt to Capital must be equal to or less than 1.0. As of December 31, 2022 and 2021, Pennichuck Water has a Debt to Capital Coverage ratio of 0.7 and 0.7, respectively.

All Bonds Test - Additionally, Pennichuck Water cannot create, issue, incur, assume or guarantee any new funded debt, if the total outstanding funded debt ("Total Funded Debt") will exceed the sum of MARA (as defined in Note 14 of these consolidated financial statements) and 85% of its Net Capital Properties ("MARA and Capital Properties"), and unless net revenues or EBITDA (earnings before interest, taxes, depreciation and amortization) shall equal or exceed for at least 12 consecutive months out of the 15 months preceding the issuance of the new funded debt by 1.1 times the maximum amount for which Pennichuck Water will be obligated to pay in any future year ("Max Amount Due"), as a result of the new funded debt being incurred. Thereby, the ratio of Total Funded Debt to MARA and Capital Properties must be equal to or less than 1.0; as of December 31, 2022 and 2021, this coverage ratio was 0.6 and 0.6, respectively. Also, the ratio of EBITDA to the Max Amount Due must be equal to or greater than 1.1; as of December 31, 2022 and 2021, this ratio was 1.9 and 2.3, respectively.

Rate Covenant Test - If during any fiscal year, the EBITDA of Pennichuck Water shall not equal at least 1.1 times all amounts paid or required to be paid during that year ("Amounts Paid"), then the Company shall undertake reasonable efforts to initiate a ratemaking proceeding with the NHPUC, to rectify this coverage requirement in the succeeding fiscal years. Thereby, the ratio of EBITDA to Amounts Paid must be equal to or greater than 1.1; as of December 31, 2022 and 2021, the Rate Covenant coverage ratio was 1.75 and 2.19, respectively.

Pennichuck East's loan agreement for its unsecured notes payable to a bank of \$12.4 million and \$12.4 million at December 31, 2022 and 2021, respectively, contains a minimum debt service coverage ratio requirement of 1.10. At December 31, 2022 and 2021, this ratio was 1.41 and 1.47, respectively.

On September 2, 2020, Pennichuck Water issued approximately \$73.6 million of taxable bonds through the New Hampshire Business Finance Authority to: (1) advance refund and refinance Pennichuck Water's series 2014A, 2015A, and 2015B bonds; (2) early retire an AULI bank loan set to mature on March 1, 2021 with a "bullet" maturity due at that date; (3) complete the replenishment of the Material Operating Expense Revenue Requirement (MOERR) RSF for Pennichuck Water back to nearly its authorized imprest value; and (4) repay Pennichuck Water's Fixed Asset Line of Credit (FALOC) for monies borrowed while awaiting rate relief from this bonding event and the Pennichuck Water rate case approved by NHPUC Order No. 26,425. The bond issuance was approved by the Company's Board of Directors and the Sole Stockholder. This issuance received NHPUC approval in Order No. 26,383 dated July 24, 2020, which authorized up to \$75.0 million in bonds.

On October 29, 2021, the NHPUC issued NISI Order No. 26,538, with an effective date of November 30, 2021, approving Pennichuck East Utility's request to borrow \$2,546,632 from CoBank, ACB for a 25-year term. This financing was used to fund a "one time" refill and replenishment of the Company's Material Operating Expense Revenue Requirement (MOERR) RSF, as well as repay intercompany debt incurred to support the Company as it waited for final permanent rate relief, and the reestablishment of its RSF funds. On November 30, 2021, Pennichuck East Utility closed on this term loan financing transaction with CoBank, ACB in the amount of \$2,546,632 for a term of 25 years at an interest rate of 4.25%.

As of December 31, 2022 and 2021, the Company had a \$2.0 million and \$2.3 million, respectively, interest rate swap which qualifies as a derivative. This financial derivative is designated as a cash flow hedge. This financial instrument is used to mitigate interest rate risk associated with our outstanding \$2.0 million loan which has a floating interest rate based on the three-month London Interbank Offered Rate ("LIBOR") plus 1.88% as of December 31, 2022. The combined effect of the LIBOR-based borrowing formula and the swap produces an "all-in fixed borrowing cost" equal to 5.95%. The fair value of the financial derivative, as of December 31, 2022 and 2021, included in our Consolidated Balance Sheets under "Other Liabilities and Deferred Credits" as "Derivative instrument" was \$10,000 and \$290,000, respectively. Changes in the fair value of this derivative were deferred in accumulated other comprehensive income.

As of March 31, 2023, the LIBOR rate will cease to be available as a market-based rate for debt instruments. As of that date, all of the debt instruments outstanding and forward-looking will be based upon the Secured Overnight Financing Rate ("SOFR") to replace the LIBOR rate. Instead of a calculated rate of LIBOR plus 1.88%, the new rate will be SOFR plus 1.85%. The Swap agreement will be repriced as of that date, as well, to reflect a new rate based upon SOFR that will allow for a net borrowing cost equal to or less than the existing 5.95% "all in fixed borrowing cost."

Swap settlements are recorded in the consolidated statements of income (loss) with the hedged item as interest expense. During the years ended December 31, 2022 and 2021, \$73,000 income and \$68,000 loss, respectively, was reclassified pre-tax from accumulated other comprehensive income (loss) to interest expense as a result of swap settlements. The Company expects to reclassify approximately \$(11,000), pre-tax, from accumulated other comprehensive income to interest expense as a result of swap settlements, over the next twelve months.

Paycheck Protection Program Loan

On May 7, 2020, the Company received loan proceeds in the amount of approximately \$2,543,600 under the Small Business Administration (SBA) PPP. The PPP, established as part of the Coronavirus Aid, Relief and Economic Security Act (CARES Act), which was enacted March 27, 2020, provides for loans to qualifying businesses for amounts up to 2.5 times the average monthly payroll expenses of the qualifying business.

Any unforgiven portion of the PPP loan is payable over two years, from the date of the initial approval of the loan, at an interest rate of 1%, with deferral of payments for the first ten months. Early in 2022, the Company's application for forgiveness was denied and as of December 31, 2021 the PPP loan has been reclassified to current portion of long-term debt with a maturity date of May 7, 2022.

12. Lines of Credit

The Company's existing Working Capital Line of Credit (WCLOC) was renewed and extended to expire on June 30,2024. Pennichuck Water's \$12 million Fixed Asset Line of Credit (PWW FALOC) expires on June 30, 2023, with PWW currently in negotiation on a renewal and extension of this multi-year facility. Pennichuck East's \$3 million Fixed Asset Line of Credit (PEU FALOC) is set to expire on September 30, 2023, with PEU currently in negotiation on a renewal and extension of this multi-year facility. The two Fixed Asset Lines of Credit (FALOC and PEU FALOC) are used to fund construction work in progress on capital projects, which are refinanced into long-term term loan obligations or issued bond indebtedness, annually.

Short-term borrowing activity under the Company's WCLOC for the years ended December 31, 2022 and 2021 was:

(in thousands)	2022		2021
Established line as of December 31,	\$ 4,00	00 \$	4,000
Maximum amount outstanding during period	2,23	36	2,312
Average amount outstanding during period	78	35	942
Amount outstanding as of December 31,	78	35	-
Weighted average interest rate during period	3.42	2%	1.88%
Interest rate as of December 31,	6.07	7%	1.84%

Short-term borrowing activity under Pennichuck Water's FALOC for the years ended December 31, 2022 and 2021 was:

(in thousands)	2022	2021	
Established line as of December 31,	\$ 12,000	\$ 12,000	
Maximum amount outstanding during period	7,138	5,851	
Average amount outstanding during period	3,552	3,775	
Amount outstanding as of December 31,	4,628	5,851	
Weighted average interest rate during period	3.07%	1.88%	
Interest rate as of December 31,	5.81%	1.84%	

Short-term borrowing activity under Pennichuck East's FALOC for the years ended December 31, 2022 and 2021 was:

(in thousands)	2022		2022 2021	
Established line as of December 31,	\$	3,000	\$	3,000
Maximum amount outstanding during period		833		1,171
Average amount outstanding during period		678		909
Amount outstanding as of December 31,		833		757
Weighted average interest rate during period		3.01%		2.13%
Interest rate as of December 31,		6.46%		2.09%

The Company's revolving credit loan facilities with TD Bank contain certain covenant obligations upon Pennichuck Water, which are as follows:

<u>Debt to Capital Covenant</u> - Pennichuck Water cannot create, issue, incur, assume or guarantee any short-term debt if (1) the sum of the short-term debt plus its funded debt ("Debt") shall exceed 85% of the sum of its short-term debt, funded debt and capital stock plus surplus accounts ("Capital"), unless the short-term debt issued in excess of the 85% is subordinated to the loan facility. Thereby, the ratio of Debt to Capital must be equal to or less than 1.0. As of December 31, 2022 and 2021, Pennichuck Water has a Debt to Capital Coverage ratio of 0.7 and 0.7, respectively.

<u>All Bonds Test</u> - Additionally, Pennichuck Water cannot create, issue, incur, assume or guarantee any new funded debt, if the total outstanding funded debt ("Total Funded Debt") will exceed the sum of MARA (as defined in Note 14 of these consolidated financial statements) and 85% of its Net Capital Properties ("MARA and Capital Properties"), and unless net revenues or EBITDA (earnings before interest, taxes, depreciation and amortization) shall equal or exceed for at least 12 consecutive months out of the 15 months preceding the issuance of the new funded debt by 1.1 times the maximum amount for which Pennichuck Water will be obligated to pay in any future year ("Max Amount Due"), as a result of the new funded debt being incurred. Thereby, the ratio of Total Funded Debt to MARA and Capital Properties must be equal to or less than 1.0; as of December 31, 2022 and 2021, this coverage ratio was 0.6 and 0.6, respectively. Also, the ratio of EBITDA to the Max Amount Due must be equal to or greater than 1.1; as of December 31, 2022 and 2021 this ratio was 1.9 and 2.3, respectively.

Rate Covenant Test - If during any fiscal year, the EBITDA of Pennichuck Water shall not equal at least 1.1 times all amounts paid or required to be paid during that year ("Amounts Paid"), then the Company shall undertake reasonable efforts to initiate a rate-making proceeding with the NHPUC, to rectify this coverage requirement in the succeeding fiscal years. Thereby, the ratio of EBITDA to Amounts Paid must be equal to or greater than 1.1; as of December 31, 2022 and 2021, the Rate Covenant coverage ratio was 1.75 and 2.19, respectively.

13. Accumulated Other Comprehensive Income

The following table presents changes in accumulated other comprehensive income by component for the years ended December 31, 2022 and 2021:

	_	Interest Rate Contract		
(in thousands)	-	2022	_	2021
Beginning balance	\$	356	\$	254
Other comprehensive income before reclassifications		124		43
Amounts reclassified from accumulated other comprehensive income	_	44	_	59
Net current period other comprehensive income	-	168	_	102
Ending balance	\$_	524	\$_	356

The following table presents reclassifications out of accumulated other comprehensive income for the years ended December 31, 2022 and 2021:

Details about Accumulated Other Comprehensive Income Components	Amounts Reclassified from Accumulated Other Comprehensive Income			d Other	Affected Line Item in the Statement Where Net Income is Presented
(in thousands)		2022	_	2021	
Gain on cash flow hedges: Interest rate contracts	\$	73 (29)	\$_	98 (39)	Interest expense Tax expense
Amounts reclassified from accumulated other comprehensive income	\$	44	\$_	59	Net of tax

14. Transaction with the City of Nashua

On January 25, 2012, in full settlement of an ongoing Eminent Domain lawsuit filed by the City of Nashua ("City") and with the approval of the NHPUC, the City acquired all of the outstanding shares of the Company and, thereby, indirect acquisition of its regulated subsidiaries. The total amount of the acquisition was \$150.6 million ("Acquisition Price") of which \$138.4 million was for the purchase of the outstanding shares, \$5.0 million for the establishment of a Rate Stabilization Fund, \$2.6 million for legal and due diligence costs, \$2.3 million for severance costs, \$1.3 million for underwriting fees, and \$1.0 million for bond discount and issue costs. The entire purchase of \$150.6 million was funded by General Obligation Bonds ("Bonds") issued by the City of Nashua. The Company is not a party to the Bonds and has not guaranteed nor is obligated in any manner for the repayment of the Bonds. The Company remains an independent corporation with an independent Board of Directors, with the City of Nashua as its sole stockholder.

Pennichuck Water, Pennichuck East, PAC, Service Corporation, and Southwood will continue as subsidiaries of Pennichuck Corporation and Pennichuck Water, Pennichuck East and PAC will continue as regulated companies under the jurisdiction of the NHPUC. The terms of the merger and the requisite accounting and rate-setting mechanisms were agreed to in the NHPUC Order No. 25,292 ("PUC Order") dated November 23, 2011.

Transactions with Related Party – City of Nashua

The Company issued a promissory note to the City of Nashua in the amount of approximately \$120 million to be repaid over a thirty (30) year period with monthly payments of approximately \$707,000, including interest at 5.75%. The Company recorded an additional amount of approximately \$30.6 million as contributed capital. The remaining outstanding balance of the note payable to the City at December 31, 2022 and 2021 was approximately \$96.9 million and \$99.6 million, respectively, as disclosed in Note 11 to these consolidated financial statements. During 2022 and 2021, dividends of approximately \$278,000 and \$279,000, respectively, were declared and paid to the City. The dividends paid to the City during 2022 comprised approximately \$278,000 of regular quarterly dividends declared and paid; and no special dividend was declared or paid in 2022. The dividends declared and paid; and no special dividend was declared or paid in 2021.

Additional ongoing transactions occur in the normal course of business, between the Company and the City, related to municipal water usage, fire protection and sewer billing support services, and property taxes related to real property owned by the Company within the City of Nashua. For the years ended December 31, 2022 and 2021, respectively, approximately \$3.9 million and \$3.9 million were paid to the Company by the City for municipal water consumption, fire protection charges, and sewer billing support services. Conversely, the Company paid property taxes to the City of Nashua of approximately \$2.3 million for the year ended December 31, 2022, and approximately \$2.3 million for the year ended December 31, 2021.

Rate Stabilization Fund – Restricted Cash

As a part of the acquisition, the Company agreed to contribute \$5,000,000 of the proceeds from the settlement transaction to Pennichuck Water, which was used to establish an RSF, allowing for the maintenance of stable water utility rates and providing a mechanism to ensure the Company's continued ability to meet its obligations under the promissory note to the City, in the event of adverse revenue developments. Restricted cash consists of amounts set aside in the RSF account and is adjusted monthly as required in the NHPUC Order, as discussed in Note 1 of these consolidated financial statements.

Municipal Acquisition Regulatory Asset ("MARA")

Pursuant to the NHPUC Order, the Company established a new Regulatory asset (MARA) which represents the amount that the Acquisition Price exceeded the net book assets of the Company's regulated subsidiaries (Pennichuck Water, Pennichuck East, and PAC) at December 31, 2011. The initial amount of the MARA was approximately \$89 million for the regulated companies, offset by a non-regulated amount of approximately \$4.8 million. The MARA is to be amortized over a thirty (30) year period in the same manner as the repayment of debt service for the City's acquisition bonds. The balance in the MARA at December 31, 2022 was approximately \$66.6 million, reduced by the non-regulated credit of approximately \$3.7 million.

Aggregate amortization expense for the years ended December 31, 2022 and 2021 totaled approximately \$2,183,000 and \$2,119,000, respectively.

The following table represents the total estimated amortization of MARA:

	Es	timated
	Am	ortization
(in thousands)	E	xpense
2023	\$	2,253
2024		2,328
2025		2,409
2026		2,498
2027		2,590
2026 and thereafter		50,821
Total	\$	62,899

15. Segment Reporting

For the years ended December 31, 2022 and 2021, and as of those dates, the following financial results were generated by the segments of the Company:

(in thousands)		2022	_	2021
Operating Revenues:				
Pennichuck Water	\$	39,837	\$	38,024
Pennichuck East		12,504		9,818
Pittsfield Aqueduct		869	_	810
Subtotal Regulated Segment		53,210		48,652
Service Corporation		2,858		3,339
Other		13		13
Total Operating Revenues	\$	56,081	\$	52,004
<u>Depreciation and Amortization Expense:</u>				
Pennichuck Water	\$	7,610	\$	7,520
Pennichuck East		1,259		1,238
Pittsfield Aqueduct		114		116
Subtotal Regulated Segment		8,983	_	8,874
Service Corporation		-		-
Other		(127)		(123)
Total Depreciation and Amortization Expense	\$	8,856	\$	8,751
Operating Income:				
Pennichuck Water	\$	8,848	\$	8,346
Pennichuck East		2,640		988
Pittsfield Aqueduct		125		71
Subtotal Regulated Segment		11,613		9,405
Service Corporation		159		251
Other		51	_	18
Total Operating Income	\$	11,823	\$	9,674
Interest Expense:				
Pennichuck Water	\$	7,071	\$	7,193
Pennichuck East		928		765
Pittsfield Aqueduct		45		40
Subtotal Regulated Segment		8,044		7,998
Service Corporation	<u> </u>	5		1
Other	_	6,065		5,903
Total Interest Expense	\$	14,114	\$	13,902

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(in thousands)	 2022	_	2021
Income Taxes Provision (Benefit):			
Pennichuck Water	\$ 1,029	\$	1,192
Pennichuck East	641		185
Pittsfield Aqueduct	 33		20
Subtotal Regulated Segment	1,703		1,397
Service Corporation	46		77
Other	 (2,336)		(1,663)
Total Income Taxes Provision (Benefit)	\$ (587)	\$	(189)
Net Income (Loss):			
Pennichuck Water	\$ 749	\$	198
Pennichuck East	1,071		38
Pittsfield Aqueduct	 48	_	13
Subtotal Regulated Segment	 1,868	_	249
Service Corporation	106		173
Other	 (3,678)	_	(4,121)
Total Net Income (Loss)	\$ (1,704)	\$	(3,699)
Total Net Assets:			
Pennichuck Water	\$ 294,446	\$	298,304
Pennichuck East	65,852		65,183
Pittsfield Aqueduct	 2,815	_	2,912
Subtotal Regulated Segment	 363,113	_	366,399
Service Corporation	(5)		151
Other	 (18,219)		(17,318)
Total Net Assets	\$ 344,889	\$	349,232
<u>Total Liabilities:</u>			
Pennichuck Water	\$ 202,465	\$	200,536
Pennichuck East	57,278		57,107
Pittsfield Aqueduct	 1,352	_	1,370
Subtotal Regulated Segment	261,095		259,013
Service Corporation	 (48)		43
Other	 89,120		93,640
Total Liabilities	\$ 350,167	\$	352,696

(continued)

(continued)

(in thousands)	 2022	_	2021
Total Long-Term Debt (less current portion			
and unamortized debt insurance costs):			
Pennichuck Water	\$ 112,648	\$	105,875
Pennichuck East	22,465		24,124
Pittsfield Aqueduct	 129	_	132
Subtotal Regulated Segment	135,242		130,131
Service Corporation	-		-
Other	 94,061	_	96,932
Total Long-Term Debt	\$ 229,303	\$	227,063

16. Rate Cases

Pennichuck Water-Emergency Special Water Contract

On October 21, 2021, Pennichuck Water filed an emergency tariff sheet request for approval with the NHPUC. The Company's emergency tariff filing was on behalf of a single customer, the Merrimack Village District (MVD), which would allow this customer to purchase bulk water at Pennichuck Water's variable cost of production. The initial rate to be billed was determined to be \$0.67 per cubic feet. This emergency tariff would allow MVD access to Pennichuck Water's bulk water supply in late 2021 and throughout 2022, while MVD's water supply systems were brought into compliance with water quality regulations for per- and polyfluoralkyl (PFAS) contaminants, with the installation of treatment facilities on their existing wells.

On November 12, 2021, the NHPUC issued Order No. 26,552, with an effective date of November 20, 2021, approving Pennichuck Water's request for an emergency tariff filing on behalf of a single customer, the MVD. This emergency tariff was granted on a temporary basis and must not exceed a term longer than six months from the effective date.

In conjunction with this, Pennichuck Water also opened a docket under DW 21-134 for the approval of a special contract for these emergency rates, in order to bring those rates into full force and effect (preceding and succeeding the emergency rate tariff), upon approval, for the time period from which the emergency usage of this water was initiated on October 20, 2021, for a period not to exceed a termination date of December 31, 2022. On March 25, 2022, the NHPUC issued Order No. 26,597, approving this special contract with the MVD from October 1, 2021, until December 31, 2022.

Pennichuck Water-Increase in Permanent Rates

On June 27, 2022, Pennichuck Water filed a request with the NHPUC for a rate increase of 13.06% over its current rates for the test year 2021. As the Company's financial performance in the 2021 test year did not support the approval of temporary rates, it was denied temporary rates at current rates, which would have provided permanent rate relief back to the "order of notice" date for the case on August 1, 2022. As such, this rate increase will be earned prospectively once ordered and approved. The overall rate increase is subject to the normal regulatory filing process with the NHPUC. The 13.06% rate increase would be inclusive of a 3.90% Qualified Capital Project Adjustment Charge (QCPAC) surcharge which was approved on December 9, 2021 in Order No. 26,555 and a 1.56% QCPAC surcharge which was approved on March 29,2022 in Order No. 26,598, as well as a 1.80% QCPAC surcharge which was approved on October 11, 2022 in Order No. 26,697, all of which in the aggregate account for 7.26% of the overall requested increase. Final approval by the NHPUC on new permanent rates for PWW is expected in the summer of 2023.

Pennichuck East-Increase in Permanent Rates

On November 24, 2020, Pennichuck East filed a request with the NHPUC for a rate increase of 21.05% over its current rates for the test year 2019, effective December 24, 2020, for which 15.00% of this increase was related to a request for a temporary rate increase effective for services rendered on or after December 24, 2020. The temporary rate increase was subject to approval by the Commission which is separate and distinct from the final rate increase approval, as the Commission's final determination on the permanent rate increase request is processed to completion. The 15.00% temporary rate increase would be inclusive of a 2.98% QCPAC surcharge which was approved on December 6, 2019 in Order No. 26,313 and a 1.97% QCPAC surcharge which is currently pending in DW 20-019.

On August 16, 2021, the NHPUC issued Order No. 26,508 approving temporary rates at 14.03% effective on a service rendered basis as of December 24, 2020. The temporary rate increase was inclusive of a QCPAC surcharge of 2.98% which was approved in 2019 within order No. 26,313.

In addition to the rate increase requested, Pennichuck East requested certain modifications to its ratemaking structure which were similarly approved for Pennichuck Water on July 24, 2020 by NHPUC Order No. 26,383. These modifications included:

- creating a Material Operating Expense Factor (MOEF), an expense factor on top of its material operating expenses to cover inflationary increases between rate filings, as a component of that portion of its allowed revenues in determining permanent rates;
- inclusion of actual NHBET cash payments in its revenue requirement calculation;
- reprioritizing the use of Debt Service Revenue Requirement (DSRR) 0.1 funds;
- recovery of State Revolving Loan Fund and Drinking Water Groundwater Trust Fund debt issuance costs; and

 re-establishment of imprest levels of the components of the RSF account and the retention of a previously approved reconciliation mechanism.

On February 18, 2022, the NHPUC issued Order No. 26,586 approving an overall permanent rate increase of 16.79%, which became effective with services rendered back to December 24, 2020. In addition, the Order approved the requested modifications to its ratemaking structure.

Pennichuck Water-Qualified Capital Project Adjustment Charge

On February 11, 2021, Pennichuck Water filed a petition with the NHPUC for a 1.50% QCPAC surcharge on all capital improvements completed and placed in service by Pennichuck Water in 2020.

On March 29, 2022, the NHPUC issued Order No. 26,598 approving a QCPAC surcharge of 1.56% for capital projects place in service in 2020. This order became effective with services rendered back to April 2, 2021 and allows for recovery in the form of a monthly recoupment surcharge, to be collected over a twelve-month period from the date of the order.

On February 14, 2022, Pennichuck Water filed a petition with the NHPUC for a 1.75% QCPAC surcharge on all capital improvements completed and placed in service by Pennichuck Water in 2021.

On October 11, 2022, the NHPUC issued Order No. 26,697 approving a QCPAC surcharge of 1.8% for capital projects placed in service in 2021. This order became effective with services rendered back to April 26, 2022 and allowed for recovery in the form of a monthly recoupment surcharge, to be collected over a three-month period from the date of the order.

Pennichuck East-Qualified Capital Project Adjustment Charge

On February 11, 2021, Pennichuck East filed a petition with the NHPUC for a 4.28% surcharge on all capital improvements completed and placed in service by Pennichuck East in 2020.

On April 8, 2022, the NHPUC issued Order No. 26,608 approving a QCPAC surcharge of 4.02% for capital projects placed in service in 2020. This order became effective with services rendered back to September 29, 2021 and allowed for recovery in the form of a monthly recoupment surcharge, to be collected over a five-month period from the date of the order.

On February 10, 2022, Pennichuck East filed a petition with the NHPUC for a 0.84% surcharge on all capital improvements completed and placed in service by Pennichuck East in 2021.

The Commission has not issued an Order approving this requested surcharge. When the Commission issues the Order the surcharge will become effective retroactively on services rendered basis back to October 18, 2022. The Order will allow recoupment of the surcharge from all its customers based on their actual bills incurred between October 18, 2022 and the final effective date of the Order. Final approval by the NHPUC on this QCPAC surcharge is expected to be received in early 2023 (see Subsequent Events Note 18).

17. COVID-19 Pandemic Impact

In March 2020, the World Health Organization ("WHO") recognized COVID-19 as a global pandemic and the President of the United States of America declared the COVID-19 outbreak in the United States a national emergency. This prompted many national, regional, and local governments to implement preventative or protective measures, such as travel and business restrictions, temporary business closures, and wide-sweeping quarantines and stay-at-home orders.

During the COVID-19 pandemic, the Company's services have generally been considered essential in nature and have not been materially interrupted. As the situation continues to evolve, management is closely monitoring the impact of the COVID-19 pandemic on all aspects of the Company's business, including how it impacts customers, subcontractors, suppliers, vendors, and employees, in addition to how the COVID-19 pandemic impacts the Company's ability to provide services to customers. We believe the ultimate impact of the COVID-19 pandemic on operating results, cash flows and financial condition is likely to be determined by factors which are uncertain, unpredictable, and outside of our control. The situation surrounding COVID-19 remains fluid, and if disruptions do arise, they could materially adversely impact our business.

18. Subsequent Events

The Company has evaluated the events and transactions that have occurred through March 21, 2023, the date that these consolidated financial statements were available for issuance.

Pennichuck East Utility Financing

Pennichuck East Utility filed a petition with the PUC to refinance its currently outstanding \$1.25 million balloon maturity note payable to CoBank, which matures on June 20, 2023. This proposed refinancing will replace the balloon maturity payment due in June 2023, with a new fully amortizing 10-year obligation for the remainder of the term of repayment of the debt, which in the aggregate will be 26 years, and less than the overall aggregate useful lives of those initially funded capital projects.

Pennichuck Water-Qualified Capital Project Adjustment Charge

On February 14, 2023, Pennichuck Water filed a petition with the NHPUC for a 1.37% surcharge on all capital improvements completed and placed in service by Pennichuck Water in 2022. The Commission has not issued an Order approving this requested surcharge. When the Commission issues the Order the approved surcharge will become effective retroactively on a services rendered basis. The Order will allow recoupment of the surcharge from all its customers based on their actual bills incurred between the services rendered date and the final effective date of the Order. Final approval by the NHPUC on this QCPAC surcharge is expected to be received in late 2023.

Pennichuck East-Qualified Capital Project Adjustment Charge

On January 27, 2023, the NHPUC issued Order Nisi No. 26,767 approving a QCPAC surcharge of 0.94% for capital projects placed in service in 2021. This order became effective with services rendered back to October 18, 2022 and allowed for recovery in the form of a monthly recoupment surcharge, to be collected over a three-month period from the date of the order.

On February 14, 2023, Pennichuck East filed a petition with the NHPUC for a 1.36% surcharge on all capital improvements completed and placed in service by Pennichuck East in 2022. The Commission has not issued an Order approving this requested surcharge. When the Commission issues the order, the approved surcharge will become effective retroactively on a services rendered basis. The Order will allow recoupment of the surcharge from all its customers based on their actual bills incurred between the services rendered date and the final effective date of the Order. Final approval by the NHPUC on this QCPAC surcharge is expected to be received in late 2023.