

ARTESIAN RESOURCES CORP  
Form 10-Q  
August 09, 2018

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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

FORM 10-Q

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE  
SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended June 30, 2018

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE  
SECURITIES EXCHANGE ACT OF 1934

For the transition period from \_\_\_\_\_ to \_\_\_\_\_

Commission file number 000-18516

ARTESIAN RESOURCES CORPORATION

-----  
(Exact name of registrant as specified in its charter)

Delaware

51-0002090

-----  
(State or other jurisdiction of incorporation or organization) (I.R.S. Employer Identification Number)

664 Churchmans Road, Newark, Delaware 19702

-----  
Address of principal executive offices

(302) 453 – 6900

-----  
Registrant's telephone number, including area code

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

Yes No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate web site, if any, every Interactive Data file required to be submitted and posted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files).

Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer", "smaller reporting company" and "emerging growth company" in Rule 12(b)-2 of the Exchange Act.:

Large Accelerated Filer	Accelerated Filer	Non-Accelerated Filer	Smaller Reporting Company	Emerging Growth Company
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If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Exchange Act Rule 12b-2).

Yes No

As of August 6, 2018, 8,360,200 shares of Class A Non-Voting Common Stock and 881,452 shares of Class B Common Stock were outstanding.

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FORM 10-Q

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Signatures

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## PART I – FINANCIAL INFORMATION

## ITEM 1 – FINANCIAL STATEMENTS

ARTESIAN RESOURCES CORPORATION  
CONDENSED CONSOLIDATED BALANCE SHEETS

Unaudited

(In thousands)

	June 30, 2018	December 31, 2017
<b>ASSETS</b>		
Utility plant, at original cost (less accumulated depreciation 2018- \$121,890; 2017 - \$116,945)	\$477,699	\$460,502
Current assets		
Cash and cash equivalents	216	952
Accounts receivable (less allowance for doubtful accounts 2018 - \$302; 2017 - \$288)	9,758	8,897
Income tax receivable	261	2,353
Unbilled operating revenues	1,858	1,427
Materials and supplies	1,425	1,519
Prepaid property taxes	4	1,795
Prepaid expenses and other	2,518	2,042
Total current assets	16,040	18,985
Other assets		
Non-utility property (less accumulated depreciation 2018 - \$726; 2017 - \$689)	3,864	3,882
Other deferred assets	3,958	3,721
Total other assets	7,822	7,603
Regulatory assets, net	7,424	7,549
Total Assets	\$508,985	\$494,639
<b>LIABILITIES AND STOCKHOLDERS' EQUITY</b>		
Stockholders' equity		
Common stock	\$9,241	\$9,215
Preferred stock	–	–
Additional paid-in capital	100,208	99,526
Retained earnings	38,728	37,903
Total stockholders' equity	148,177	146,644
Long-term debt, net of current portion	104,904	105,587
	253,081	252,231
Current liabilities		
Lines of credit	19,433	9,610
Current portion of long-term debt	1,358	1,344
Accounts payable	5,119	8,853
Accrued expenses	3,330	2,888
Dividends payable	2,206	–
Overdraft payable	474	304
Accrued interest	1,585	1,805
Customer deposits	1,014	969
Other	4,813	2,688
Total current liabilities	39,332	28,461
Commitments and contingencies	–	–

Deferred credits and other liabilities		
Net advances for construction	7,433	7,797
Regulatory liabilities	23,151	23,201
Deferred investment tax credits	517	526
Deferred income taxes	53,660	54,137
Total deferred credits and other liabilities	84,761	85,661
Net contributions in aid of construction	131,811	128,286
	\$508,985	\$494,639

See notes to the condensed consolidated financial statements.

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ARTESIAN RESOURCES CORPORATION  
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS

Unaudited

(In thousands, except per share amounts)

	For the Three Months Ended June 30,		For the Six Months Ended June 30,	
	2018	2017	2018	2017
Operating revenues				
Water sales	\$17,869	\$18,248	\$34,514	\$35,183
Other utility operating revenue	1,085	1,020	2,084	2,039
Non-utility operating revenue	1,284	1,234	2,546	2,469
	20,238	20,502	39,144	39,691
Operating expenses				
Utility operating expenses	9,038	9,588	18,121	18,494
Non-utility operating expenses	671	662	1,334	1,349
Depreciation and amortization	2,541	2,329	5,109	4,648
State and federal income taxes	1,564	1,763	2,903	3,857
Property and other taxes	1,185	1,170	2,468	2,364
	14,999	15,512	29,935	30,712
Operating income	5,239	4,990	9,209	8,979
Other income, net				
Allowance for funds used during construction (AFUDC)	180	76	268	146
Miscellaneous income (expense)	8	(290)	927	293
Income before interest charges	5,427	4,776	10,404	9,418
Interest charges	1,501	1,525	3,000	3,081
Net income applicable to common stock	\$3,926	\$3,251	\$7,404	\$6,337
Income per common share:				
Basic	\$0.43	\$0.35	\$0.80	\$0.69
Diluted	\$0.42	\$0.35	\$0.80	\$0.69
Weighted average common shares outstanding:				
Basic	9,237	9,163	9,230	9,149
Diluted	9,293	9,235	9,287	9,220
Cash dividends per share of common stock	\$0.2387	\$0.2317	\$0.4739	\$0.4600

See notes to the condensed consolidated financial statements.

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CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWSUnaudited  
(In thousands)

	For the Six Months Ended June 30,	
	2018	2017
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>		
Net income	\$7,404	\$6,337
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation and amortization	5,109	4,648
Deferred income taxes, net	(486 )	2,145
Stock compensation	95	327
AFUDC, equity portion	(186 )	(99 )
Changes in assets and liabilities:		
Accounts receivable, net of allowance for doubtful accounts	(861 )	1,000
Income tax receivable	2,092	(65 )
Unbilled operating revenues	(431 )	(254 )
Materials and supplies	94	(41 )
Prepaid property taxes	1,791	1,666
Prepaid expenses and other	(478 )	(501 )
Other deferred assets	(254 )	(164 )
Regulatory assets	165	180
Regulatory liabilities	(50 )	–
Accounts payable	(3,734 )	(2,128 )
Accrued expenses	442	1,891
Accrued interest	(220 )	(76 )
Customer deposits and other, net	2,172	965
<b>NET CASH PROVIDED BY OPERATING ACTIVITIES</b>	<b>12,664</b>	<b>15,831</b>
<b>CASH FLOWS FROM INVESTING ACTIVITIES</b>		
Capital expenditures (net of AFUDC, equity portion)	(22,994)	(17,140)
Proceeds from sale of assets	30	15
<b>NET CASH USED IN INVESTING ACTIVITIES</b>	<b>(22,964)</b>	<b>(17,125)</b>
<b>CASH FLOWS FROM FINANCING ACTIVITIES</b>		
Net borrowings (repayments) under lines of credit agreements	9,823	(1,935 )
Increase in overdraft payable	169	1,151
Net advances and contributions in aid of construction	4,076	6,008
Net proceeds from issuance of common stock	612	1,057
Dividends paid	(4,373 )	(4,205 )
Debt issuance costs	(75 )	(148 )
Principal repayments of long-term debt	(668 )	(557 )
<b>NET CASH PROVIDED BY FINANCING ACTIVITIES</b>	<b>9,564</b>	<b>1,371</b>
<b>NET (DECREASE) INCREASE IN CASH AND CASH EQUIVALENTS</b>	<b>(736 )</b>	<b>77</b>
<b>CASH AND CASH EQUIVALENTS AT BEGINNING OF YEAR</b>	<b>952</b>	<b>226</b>



CASH AND CASH EQUIVALENTS AT END OF PERIOD	\$216	\$303
Supplemental Disclosures of Cash Flow Information:		
Utility plant received as construction advances and contributions	\$185	\$1,294
Interest paid	\$3,220	\$3,157
Income taxes paid	\$1,289	\$1,278

See notes to the condensed consolidated financial statements.

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NOTES TO THE CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

NOTE 1 – GENERAL

Artesian Resources Corporation, or Artesian Resources, includes income from the earnings of our nine wholly owned subsidiaries. The terms "we", "our", "Artesian" and the "Company" as used herein refer to Artesian Resources and its subsidiaries.

DELAWARE REGULATED SUBSIDIARIES

Artesian Water Company, Inc., or Artesian Water, our principal subsidiary, is the oldest and largest public water utility in the State of Delaware and has been providing water service within the state since 1905. Artesian Water distributes and sells water to residential, commercial, industrial, governmental, municipal and utility customers throughout the State of Delaware. In addition, Artesian Water provides services to other water utilities, including operations and billing functions, and has contract operation agreements with private and municipal water providers. We also provide water for public and private fire protection to customers in our service territories.

Artesian Wastewater Management, Inc., or Artesian Wastewater, is a regulated entity that owns wastewater collection and treatment infrastructure and provides wastewater services to customers in Delaware as a regulated public wastewater service company. As of June 30, 2018, Artesian Wastewater owned and operated four wastewater treatment facilities, which are permitted to treat approximately 500,000 gallons per day. In August 2016, Artesian Wastewater and Sussex County, a political subdivision of Delaware, entered into an agreement to provide reciprocal services to address the periodic need of each for additional wastewater treatment and disposal capacity in certain service areas within Sussex County. There are numerous locations in Sussex County where Artesian Wastewater's and Sussex County's facilities are capable of being connected or integrated to allow for the movement and disposal of wastewater generated by one or the other's system in a manner that most efficiently and cost effectively manages wastewater transmission, treatment and disposal.

On September 27, 2016, Artesian Wastewater entered into a wastewater services agreement with Allen Harim Foods, LLC, or Allen Harim, for Artesian Wastewater to provide treatment and disposal services for sanitary wastewater discharged from Allen Harim's properties located in Sussex County, Delaware upon completion of a pipeline to transfer the sanitary wastewater. The pipeline was completed in the second quarter of 2017. The transfer of sanitary wastewater is pending receipt of a construction permit and installation of related on-site improvements by Allen Harim at its facility. On January 27, 2017, Artesian Wastewater entered into a second wastewater agreement with Allen Harim for Artesian Wastewater to provide disposal services for approximately 1.5 million gallons per day, or mgd of treated industrial process wastewater upon completion of an approximately eight-mile pipeline that will transfer the wastewater from Allen Harim's properties to a 90 million gallon storage lagoon at Artesian's Northern Sussex Regional Water Recycling Facility. We will use the reclaimed wastewater for spray irrigation on agricultural land in the area. The completion of the industrial process wastewater pipeline and storage lagoon should occur by the end of 2018.

MARYLAND REGULATED SUBSIDIARIES

Artesian Water Maryland, Inc., or Artesian Water Maryland, began operations in August 2007. Artesian Water Maryland distributes and sells water to residential, commercial, industrial and municipal customers in Cecil County, Maryland. Artesian Water Maryland owns and operates 8 public water systems including one in Port Deposit that has the ability to supply up to 1 mgd of water through an intake in the Susquehanna River.

Artesian Wastewater Maryland, Inc., or Artesian Wastewater Maryland, is a regulated wastewater entity in the State of Maryland and was incorporated on June 3, 2008. Artesian Wastewater Maryland is able to provide public wastewater services to customers in the State of Maryland. It is currently not providing wastewater services in Maryland.

PENNSYLVANIA REGULATED SUBSIDIARY

Artesian Water Pennsylvania, Inc., or Artesian Water Pennsylvania, began operations upon receiving recognition as a regulated public water utility by the Pennsylvania Public Utility Commission, or PAPUC, in 2002. It provides water service to a residential community in Chester County.

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OTHER SUBSIDIARIES

Our four other subsidiaries, none of which are regulated, are Artesian Utility Development, Inc., or Artesian Utility, Artesian Development Corporation, or Artesian Development, Artesian Storm Water Services, Inc., or Artesian Storm Water, and Artesian Consulting Engineers, Inc., or Artesian Consulting Engineers.

Artesian Utility was formed in 1996. It designs and builds water and wastewater infrastructure and provides contract water and wastewater services on the Delmarva Peninsula. Artesian Utility also evaluates land parcels, provides recommendations to developers on the size of water or wastewater facilities and the type of technology that should be used for treatment at such facilities, and operates water and wastewater facilities in Delaware for municipal and governmental organizations. Artesian Utility also contracts with developers for design and construction of wastewater facilities within the Delmarva Peninsula, using a number of different technologies for treatment of wastewater at each facility. In addition, as further discussed below, Artesian Utility operates the Water Service Line Protection Plan, or WSLP Plan, the Sewer Service Line Protection Plan, or SSLP Plan, and the Internal Service Line Protection Plan, or ISLP Plan.

Artesian Utility currently operates wastewater treatment facilities for the town of Middletown, in southern New Castle County, Delaware, or Middletown, under a 20-year contract that expires in July 2022. The facilities include two wastewater treatment stations with capacities of up to approximately 2.5 mgd and 250,000 gallons per day, respectively. We also operate a wastewater disposal facility in Middletown in order to support the 2.5 mgd wastewater facility. One of the wastewater treatment facilities in Middletown now provides reclaimed wastewater for use in spray irrigation on public and agricultural lands in the area.

The WSLP Plan covers all parts, material and labor required to repair or replace participating customers' leaking water service lines up to an annual limit. The SSLP Plan covers all parts, material and labor required to repair or replace participating customers' leaking or clogged sewer lines up to an annual limit. The ISLP Plan enhances available coverage to include water and wastewater lines within customers' residences. As of June 30, 2018, approximately 19,500, or 23.8%, of our eligible water customers enrolled in the WSLP Plan, approximately 15,500, or 19.0%, of our eligible enrolled in the SSLP Plan, and approximately 5,200, or 6.4%, of our eligible customers enrolled in the ISLP Plan. Approximately 1,700 non-utility customers enrolled in one of our three protection plans.

Artesian Development is a real estate holding company that owns properties, including land zoned for office buildings, a water treatment plant and wastewater facility, as well as property for current operations, including an office facility in Sussex County, Delaware. The facility consists of approximately 10,000 square feet of office space along with nearly 10,000 square feet of warehouse space. This facility allows all of our Sussex County, Delaware operations to be housed in one central location.

Artesian Storm Water, incorporated on January 17, 2017, was formed to provide design, installation, maintenance and repair services related to existing or proposed storm water management systems in Delaware and the surrounding areas. The ability to offer storm water services will complement the primary water and wastewater services that we provide.

Artesian Consulting Engineers no longer offers development and architectural services to outside third parties. We will continue to provide design and engineering contract services through Artesian Utility.

NOTE 2 – BASIS OF PRESENTATION

Basis of Presentation

The unaudited condensed consolidated financial statements are presented in accordance with the requirements of Form 10-Q and consequently do not include all the disclosures required in the financial statements included in the Company's annual report on Form 10-K. Accordingly, these financial statements and related notes should be read in conjunction with the financial statements and related notes in the Company's annual report on Form 10-K for fiscal year 2017 as filed with the Securities and Exchange Commission on March 15, 2018.

The condensed consolidated financial statements include the accounts of Artesian Resources and its wholly owned subsidiaries, including its principal operating company, Artesian Water. In the opinion of the Company, the accompanying unaudited condensed consolidated financial statements reflect all normal recurring adjustments (unless otherwise noted) necessary to present fairly the Company's balance sheet position as of June 30, 2018, the results of operations for the three and six month periods ended June 30, 2018 and June 30, 2017 and the cash flows for the six month periods ended June 30, 2018 and June 30, 2017.

The results of operations for the interim periods presented are not necessarily indicative of the results for the full year or for future periods.

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NOTE 3 – REVENUE RECOGNITION

Background

On January 1, 2018 the Company adopted Accounting Standards Codification 606, or ASC 606, Revenue from Contracts with Customers, using the modified retrospective approach. The Company identified its sources of revenue streams that fall within the scope of this guidance and applied the five-step model to all qualifying revenue streams to determine when to recognize revenue. The Company concluded there is not a material change to how revenue was recognized before and after the adoption of ASC 606, therefore, no cumulative retained earnings adjustment was required.

Artesian's operating revenues are primarily attributable to regulated contract services based upon tariff rates approved by the Delaware Public Service Commission, or DEPSC, the Maryland Public Service Commission, or MDPSC and the PAPUC. Regulated contract service revenues consist of water consumption, fixed fees for water and wastewater services including customer and fire protection fees, services charges and a Distribution System Improvement Charge, or DSIC, billed to customers at rates outlined in our tariffs that represent stand-alone selling prices. Our non-regulated contract revenues consist of Service Line Protection Plan, or SLP Plan, fees, water and wastewater contract operations, and wastewater inspection fees.

Regulated Contract Revenues

Artesian generates revenue from the sale of water to customers in Delaware, Cecil County, Maryland, and Southern Chester County, Pennsylvania once a customer requests service in our territory. We recognize water consumption revenue at tariff rates on a cycle basis for the volume of water transferred to customers based upon meter readings for actual gallons of water consumed as well as unbilled amounts for estimated usage from the date of the last meter reading to the end of the accounting period. As actual usage amounts are known based on recurring meter readings, adjustments are made to the unbilled estimates in the next billing cycle based on the actual results. Estimates are made on an individual customer basis, based on one of three methods (the previous year's consumption in the same period, the previous billing period's consumption, or averaging) and are adjusted to reflect current changes in water demand on a system-wide basis. While actual usage for individual customers may differ materially from the estimate based on management judgements described above, we believe the overall total estimate of consumption and revenue for the fiscal period will not differ materially from actual billed consumption. The majority of our water customers are billed for water consumed on a monthly basis, while the remaining customers are billed on a quarterly basis. As a result, we record unbilled operating revenue (contract asset) for any estimated usage through the end of the accounting period that will be billed in the next monthly or quarterly billing cycle.

Artesian generates fixed fee revenue for water and wastewater services provided to customers once a customer requests service in our territory. Our wastewater territory is located in Sussex County, Delaware. We recognize revenue from these services on a ratable basis over time as the customer simultaneously receives and consumes all the benefits of the Company remaining ready to provide them water and wastewater service. These contract services are billed in advance at tariff rates on a monthly, quarterly or semi-annual basis. As a result, we record deferred revenue (contract liability) and accounts receivable for any amounts for which we have a right to invoice but for which services have not been provided. This deferred revenue is netted with unbilled operating revenue on the Consolidated Balance Sheet.

Artesian generates service charges primarily from non-payment fees, such as water shut off and reconnection fees and finance charges. These fees are billed and recognized as revenue at the point in time when our tariffs indicate the Company has the right to payment such as days past due have been reached or shut-offs and reconnections have been performed. There is no contract asset or liability associated with these fees.

Artesian generates revenue from a DSIC, which is a surcharge applied to water customer tariff rates in Delaware related to specific types of water distribution system improvements. This rate is calculated on a semi-annual basis based on an approved projected revenue requirement over the following six-month period. This rate is adjusted up or down at the next DSIC filing to account for any differences between actual earned revenue and the projected revenue requirement. Since DSIC revenue is a surcharge applied to tariff rates, we recognize DSIC revenue based on the same guidelines as noted above depending on whether the surcharge was applied to consumption revenue or fixed fee revenue.

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The DEPSC required Delaware utilities to determine the impact that the Tax Cuts and Jobs Act of 2017, or TCJA, had on its customers and potential rate relief due to customers. The Company expects any reduction in corporate income tax expense resulting from the TCJA will be passed through to customers in the form of reduced tariff rates or approved DSIC rate. Until a final decision is determined by the DEPSC, recognized DSIC revenue for the first six months of 2018 is being held in reserve (refund liability) and is not reflected in income. This reserved amount approximates the TCJA impact to Artesian Water's customers.

Accounts receivable from our regulated contract customers are typically due within 25 days of invoicing. An allowance for doubtful accounts is calculated as a percentage of total associated revenues. We mitigate our exposure to credit losses by discontinuing services in the event of non-payment; accordingly, the related allowance for doubtful accounts and associated bad debt expense has not been significant.

### Non-regulated Contract Revenues

Artesian generates SLP Plan revenue once a customer requests service to cover all parts, materials and labor required to repair or replace leaking water service lines, leaking or clogged sewer lines, or water and wastewater lines within the customers' residences, up to an annual limit. We recognize revenue from these services on a ratable basis over time as the customer simultaneously receives and consumes all the benefits of having service line protection services. These contract services are billed in advance on a monthly or quarterly basis. As a result, we record deferred revenue (contract liability) and accounts receivable for any amounts for which we have a right to invoice but for which services have not been provided. Accounts receivable from SLP Plan customers are typically due within 25 days of invoicing. An allowance for doubtful accounts is calculated as a percentage of total SLP contract revenue. We mitigate our exposure to credit losses by discontinuing services in the event of non-payment; accordingly, the related allowance for doubtful accounts and associated bad debt expense has not been significant.

Artesian generates contract operation revenue from water and wastewater operation services provided to customers. We recognize revenue from these operation contracts, which consist primarily of monthly operation and maintenance services over time as customers receive and consume the benefits of such services performed. These services are invoiced in advance at the beginning of every month, typically due within 30 days, and therefore there is no contract asset or liability associated with these revenues. An allowance for doubtful accounts is provided based on a periodic analysis of individual account balances, including an evaluation of days outstanding, payment history, recent payment trends, and our assessment of our customers' creditworthiness. The related allowance for doubtful accounts and associated bad debt expense has not been significant.

Artesian generates inspection fee revenue for inspection services related to onsite wastewater collection systems installed by developers of new communities. These fees are paid by developers in advance when a service is requested for a new phase of a development. Inspection fee revenue is recognized on a per lot basis once the inspection of the infrastructure is completed that serves each lot. As a result, we record deferred revenue (contract liability) for any amounts related to infrastructure not yet inspected. There are no accounts receivable, allowance for doubtful accounts or bad debt expense associated with inspection fee contracts.

### Sales Tax

The majority of Artesian's revenues are earned within the State of Delaware, where there is no sales tax. Revenue earned in the State of Maryland and the State of Pennsylvania are related solely to the sale of water by a public water utility and are exempt from sales tax. Therefore, no sales tax is collected on revenues.



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## Disaggregated Revenues

The following table shows the Company's revenues disaggregated by service type; all revenues are generated within a similar geographical location:

(in thousands)	Three months ended June 30, 2018	Three months ended June 30, 2017	Six months ended June 30, 2018	Six months ended June 30, 2017
<b>Regulated Revenue</b>				
Consumption charges	\$11,919	\$11,790	\$22,638	\$22,195
Fixed fees	6,447	6,102	12,853	12,302
Service charges	167	242	324	514
DSIC	800	787	1,548	1,543
Revenue reserved for refund – TCJA impact	(800 )	0	(1,548 )	0
<b>Total Regulated Revenue</b>	<b>\$18,533</b>	<b>\$18,921</b>	<b>\$35,815</b>	<b>\$36,554</b>
<b>Non-Regulated Revenue</b>				
Service line protection plans	\$996	\$950	\$1,978	\$1,904
Contract operations	337	327	696	655
Inspection fees	47	45	56	95
<b>Total Non-Regulated Revenue</b>	<b>\$1,380</b>	<b>\$1,322</b>	<b>\$2,730</b>	<b>\$2,654</b>
<b>Other Operating Revenue not in scope of ASC 606</b>				
	\$325	\$259	\$599	\$483
<b>Total Operating Revenue</b>	<b>\$20,238</b>	<b>\$20,502</b>	<b>\$39,144</b>	<b>\$39,691</b>

## Remaining Performance Obligations

As of June 30, 2018 and December 31, 2017, Deferred Revenue – Regulated is recorded net of contract assets within Unbilled operating revenues and represents our remaining performance obligations for our fixed fee water and wastewater services, all of which are expected to be satisfied and associated revenue recognized in the next three months.

As of June 30, 2018 and December 31, 2017, Deferred Revenue – Non-Regulated is recorded within Other current liabilities and represents our remaining performance obligations for our SLP Plan services and wastewater inspections, which are expected to be satisfied and associated revenue recognized within the next three months and one year for the SLP Plan revenue and inspection fee revenue, respectively.

## Contract Assets and Contract Liabilities

Our contract assets and liabilities consist of the following:

(in thousands)	June 30, 2018	December 31, 2017
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Accounts Receivable

Accounts Receivable-Regulated	\$5,756	\$ 5,631
Accounts Receivable-Non-Regulated	304	403
Total Accounts Receivable	\$6,060	\$ 6,034

Contract Assets – Regulated	\$2,771	\$ 2,397
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Deferred Revenue

Deferred Revenue – Regulated	\$1,003	\$ 1,053
Deferred Revenue – Non-Regulated	221	203
Total Deferred Revenue	\$1,224	\$ 1,256

Refund Liability - Regulated	\$1,548	\$ --
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For the six months ended June 30, 2018, the Company recognized revenue of \$1.1 million from amounts that were included in Deferred Revenue – Regulated at the beginning of the year and revenue of \$180,000 from amounts that were included in Deferred Revenue – Non- Regulated at the beginning of the year.

The increases (decreases) of Accounts Receivable, Contract Assets and Deferred Revenue were primarily due to normal timing differences between our performance and customer payments. The increase in the Refund Liability is due to management's best estimate of the most probable ultimate amount of a pending regulatory adjustment related to the TCJA.

NOTE 4 – STOCK COMPENSATION PLANS

On December 9, 2015, the Company's stockholders approved the 2015 Equity Compensation Plan, or the 2015 Plan, that replaced the 2005 Equity Compensation Plan that expired on May 24, 2015. The 2015 Plan provides that grants may be in any of the following forms: incentive stock options, nonqualified stock options, stock units, stock awards, dividend equivalents and other stock-based awards. The 2015 Plan is administered and interpreted by the Compensation Committee of the Board of Directors, or the Committee. The Committee has the authority to determine the individuals to whom grants will be made under the 2015 Plan, the type, size and terms of the grants, the time when grants will be made and the duration of any applicable exercise or restriction period (subject to the limitations of the 2015 Plan), and deal with any other matters arising under the 2015 Plan. The Committee presently consists of three directors, each of whom is a non-employee director of the Company. All of the employees of the Company and its subsidiaries and non-employee directors of the Company are eligible for grants under the 2015 Plan.

Compensation expense for the three and six months ended June 30, 2018, of approximately \$48,000 and \$95,000 was recorded for restricted stock awards issued in May 2017 and May 2018. For the three and six months ended June 30, 2017, compensation expense of approximately \$293,000 and \$327,000 was recorded for restricted stock awards issued in May 2016 and May 2017, as well as unrestricted stock awards issued in June 2017. Costs were determined based on the fair value on the dates of the awards and those costs were charged to income over the service periods associated with the awards. There was no stock compensation cost capitalized as part of an asset.

On May 2, 2018, 5,000 shares of Class A Non-Voting Common Stock, or Class A Stock, were granted as restricted stock awards. The fair value per share was \$38.51, the closing price of the Class A Stock as recorded on the Nasdaq Global Market on May 2, 2018. On May 3, 2017, 5,000 shares of Class A Stock, were granted as restricted stock awards. The fair value per share was \$38.10, the closing price of the Class A Stock as recorded on the Nasdaq Global Market on May 3, 2017. On May 4, 2016, 5,000 shares of Class A Stock were granted as restricted stock awards. The fair value per share was \$27.70, the closing price of the Class A Stock as recorded on the Nasdaq Global Market on May 4, 2016. The restricted shares are subject to a one-year vesting period from the date of each grant. Prior to their release date, these restricted stock awards may be subject to forfeiture in the event of the recipient's termination of employment.

On June 28, 2017, 6,568 shares of Class A Stock were issued as fully vested restricted stock awards. The fair market value per share was \$38.06, the closing price of the Class A common stock as recorded on the Nasdaq Global Market on June 28, 2017.

The following summary reflects changes in the shares of Class A Stock underlying options and restricted stock awards for the six months ended June 30, 2018:

	Options			Restricted Awards		
	Option Shares	Weighted Average Exercise Price	Weighted Average Remaining Life (Yrs.)	Aggregate Intrinsic Value (in thousands)	Outstanding Restricted Stock Awards	Weighted Average Grant Date Fair Value
Plan options/restricted stock awards						
Outstanding at January 1, 2018	176,802	\$ 19.91		\$ 3,298	5,000	38.10
Granted	—	—		—	5,000	\$ 38.51
Exercised/vested and released	(8,052 )	15.77		176	(5,000)	38.10
Expired/cancelled	—	—		—	—	—
Outstanding at June 30, 2018	168,750	\$ 20.11	3.83	\$ 3,150	5,000	\$ 38.51
Exercisable/vested at June 30, 2018	168,750	\$ 20.11	3.83	\$ 3,150	—	—

The total intrinsic value of options exercised during the six months ended June 30, 2018 was approximately \$176,000.

There were no unvested option shares outstanding under the 2015 Plan during the six months ended June 30, 2018.

As of June 30, 2018, there was no unrecognized expense related to non-vested option shares granted under the 2015 Plan.

As of June 30, 2018, there was \$160,900 total unrecognized expense related to non-vested awards of restricted shares awarded under the 2015 Plan. The cost will be recognized over 0.84 years, the remaining vesting period for the restricted stock awards.

#### NOTE 5 - REGULATORY ASSETS

The Financial Accounting Standards Board, or FASB, ASC Topic 980 stipulates generally accepted accounting principles for companies whose rates are established or subject to approvals by a third-party regulatory agency. Certain expenses are recoverable through rates charged to our customers, without a return on investment, and are deferred and amortized during future periods using various methods as permitted by the DEPSC, MDPSC, and PAPUC.

The postretirement benefit obligation is the recognition of an offsetting regulatory liability as it relates to the accrual of the expected cost of providing postretirement health care and life insurance benefits to retired employees when they render the services necessary to earn the benefits. Artesian Water contributed \$18,600 to its postretirement benefit plan in the first six months of 2018. These contributions consist of insurance premium payments for medical, dental and life insurance benefits made on behalf of the Company's eligible retired employees.

The deferred income taxes will be amortized over future years as the tax effects of temporary differences that previously flowed through to our customers are reversed.

Debt related costs include debt issuance costs and other debt related expense. The DEPSC has allowed rate recovery on unamortized issuance costs and make-whole premiums associated with the early retirement of Series O and Q First Mortgage bonds as the replacement of that debt in January 2017 with Series T First Mortgage bonds was deemed more favorable for the ratepayers. The DEPSC has also allowed rate recovery on issuance costs associated with the Series U First Mortgage bond purchase in January 2018 that paid the full indebtedness of the Series P First Mortgage bond. These amounts are recovered over the term of the new long-term debt issued. For both the Series T First Mortgage bond purchase and the Series U First Mortgage bond purchase, no cash, other than the issue costs, was paid

or received as the trustee facilitated direct exchanges of the bonds issued.

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Regulatory expenses amortized on a straight-line basis are noted below:

Expense	Years Amortized
Depreciation and salary studies	5
Delaware rate proceedings	2.5
Maryland rate proceedings	5
Debt related costs	15 to 25 (based on term of related debt)
Goodwill (resulting from acquisition of Mountain Hill Water Company in 2008)	50
Deferred acquisition costs (resulting from purchase of water assets in Cecil County, Maryland in 2011 and Port Deposit, Maryland in 2010)	20
Franchise Costs (resulting from purchase of water assets in Cecil County, Maryland in 2011)	80

Regulatory assets, net of amortization, comprise:

	(in thousands)	
	June	December
	30,	31,
	2018	2017
Postretirement benefit obligation	\$ 149	\$ 149
Deferred income taxes	408	416
Expense of rate and regulatory proceedings	56	70
Debt issuance costs	5,878	5,965
Goodwill	299	303
Deferred acquisition and franchise costs	634	646
	\$7,424	\$ 7,549

## NOTE 6 – REGULATORY LIABILITIES

FASB, ASC Topic 980 stipulates generally accepted accounting principles for companies whose rates are established or subject to approvals by a third-party regulatory agency. Certain obligations are deferred and/or amortized as determined by the DEPSC, MDPSC, and PAPUC. Regulatory liabilities represent excess recovery of cost or other items that have been deferred because it is probable such amounts will be returned to customers through future regulated rates.

The postretirement benefit obligation is the recognition of an offsetting regulatory asset as it relates to the accrual of the expected cost of providing postretirement health care and life insurance benefits to retired employees when they render the services necessary to earn the benefits. Artesian Water contributed \$18,600 to its postretirement benefit plan in the first six months of 2018. These contributions consist of insurance premium payments for medical, dental and life insurance benefits made on behalf of the Company's eligible retired employees.

Utility plant retirement cost obligation consists of estimated costs related to the potential removal and replacement of facilities and equipment on the Company's water and wastewater properties. Effective January 1, 2012, as authorized by the DEPSC, when depreciable units of utility plant are retired, any cost associated with retirement, less any salvage value or proceeds received is charged to a regulated retirement liability. The DEPSC authorized an amount to be recorded each year to the liability.

Pursuant to the enactment of the TCJA on December 22, 2017, the Company adjusted its existing deferred income tax balances as of December 31, 2017 to reflect the decrease in the corporate income tax rate from 34% to 21% (see Note 9). This resulted in a decrease in the net deferred income tax liability of approximately \$23.5 million of which \$22.5 million was reclassified as a regulatory liability. These amounts are subject to certain Internal Revenue Service normalization rules that require the benefits to customers be spread over the remaining useful life of the underlying assets giving rise to the associated deferred income taxes. The amount and timing of potential settlements of the established net regulatory liabilities will be determined by the utilities' respective rate regulators.

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Regulatory liabilities comprise:

	(in thousands)	
	June 30, 2018	December 31, 2017
Postretirement benefit obligation	\$ 112	\$ 112
Utility plant retirement cost obligation	499	549
Deferred income taxes (related to TCJA)	22,540	22,540
	\$23,151	\$ 23,201

## NOTE 7 - NET INCOME PER COMMON SHARE AND EQUITY PER COMMON SHARE

Basic net income per share is based on the weighted average number of common shares outstanding. Diluted net income per share is based on the weighted average number of common shares outstanding, the potentially dilutive effect of employee stock options and restricted stock awards.

The following table summarizes the shares used in computing basic and diluted net income per share:

	For the Three Months Ended June 30,		For the Six Months Ended June 30,	
	2018 (in thousands)	2017	2018 (in thousands)	2017
Weighted average common shares outstanding during the period for Basic computation	9,237	9,163	9,230	9,149
Dilutive effect of employee stock options and awards	56	72	57	71
Weighted average common shares outstanding during the period for Diluted computation	9,293	9,235	9,287	9,220

For the three and six months ended June 30, 2018, 5,000 shares of restricted stock awards were excluded from the calculations of diluted net income per share, respectively. For the three and six months ended June 30, 2017, 1,400 and 3,400 shares of restricted stock awards were excluded from the calculations of diluted net income per share, respectively. For the three and six months ended June 30, 2018 and June 30, 2017, no shares of stock options were excluded from the calculations of diluted net income per share, as the calculated proceeds from the options' exercise were lower than the average market price of the Company's common stock during the period.

The Company has 15,000,000 authorized shares of Class A Stock and 1,040,000 authorized shares of Class B Common Stock, or Class B Stock. As of June 30, 2018, 8,359,738 shares of Class A Stock and 881,452 shares of Class B Stock were issued and outstanding. As of June 30, 2017, 8,306,073 shares of Class A Stock and 881,452 shares of Class B Stock were issued and outstanding. The par value for both classes is \$1.00 per share. During the three months ended June 30, 2018 and June 30, 2017, the Company issued 11,495 and 42,275 shares of Class A Stock, respectively. For the six months ended June 30, 2018 and June 30, 2017, the Company issued 26,284 and 60,040 shares of Class A Stock, respectively.



Equity per common share was \$16.05 and \$15.98 at June 30, 2018 and December 31, 2017, respectively. These amounts were computed by dividing common stockholders' equity by the number of shares of common stock outstanding on June 30, 2018 and December 31, 2017, respectively.

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NOTE 8 - REGULATORY PROCEEDINGS

Our water and wastewater utilities generate operating revenue from customers based on rates that are established by state Public Service Commissions through a rate setting process that may include public hearings, evidentiary hearings and the submission of evidence and testimony in support of the requested level of rates by the Company.

We are subject to regulation by the following state regulatory commissions:

- The DEPSC regulates both Artesian Water and Artesian Wastewater
- The MDPSC regulates both Artesian Water Maryland and Artesian Wastewater Maryland
- The PAPUC regulates Artesian Water Pennsylvania

Rate Proceedings

Our regulated utilities periodically seek rate increases to cover the cost of increased operating expenses, increased financing expenses due to additional investments in utility plant and other costs of doing business. In Delaware, utilities are permitted by law to place rates into effect, under bond, on a temporary basis pending completion of a rate increase proceeding. The first temporary increase may be up to the lesser of \$2.5 million on an annual basis or 15% of gross water sales. Should the rate case not be completed within seven months, by law, the utility may put the entire requested rate relief, up to 15% of gross water sales, in effect under bond until a final resolution is ordered and placed into effect. If any such rates are found to be in excess of rates the DEPSC finds to be appropriate, the utility must refund customers the portion found to be in excess with interest. The timing of our rate increase requests is therefore dependent upon the estimated cost of the administrative process in relation to the investments and expenses that we hope to recover through the rate increase. We can provide no assurances that rate increase requests will be approved by applicable regulatory agencies and, if approved, we cannot guarantee that these rate increases will be granted in a timely or sufficient manner to cover the investments and expenses for which we initially sought the rate increase.

On January 16, 2018, the DEPSC approved the opening of Docket No. 17-1240 requiring Delaware utilities to determine the impact that the TCJA had on their customers and potential rate relief due to customers. We submitted the required reports to the DEPSC by the March 31, 2018 deadline. The Company expects any reduction in corporate income tax expense resulting from the TCJA will be passed through to customers in the form of reduced tariff rates or approved DSIC rates. Until a final decision is determined by the DEPSC, DSIC revenue for the first six months of 2018 is being held in reserve and is not reflected in income. This reserved amount approximates the TCJA impact to Artesian Water's customers.

Other Proceedings

Delaware law permits water utilities to put into effect, on a semi-annual basis, increases related to specific types of distribution system improvements through a DSIC. This charge may be implemented by water utilities between general rate increase applications that normally recognize changes in a water utility's overall financial position. The DSIC approval process is less costly when compared to the approval process for general rate increase requests. The DSIC rate applied between base rate filings is capped at 7.50% of the amount billed to customers under otherwise applicable rates and charges, and the DSIC rate increase applied cannot exceed 5.0% within any 12-month period.

The following table summarizes (1) Artesian Water's applications with the DEPSC to collect DSIC rates and (2) the rates upon which eligible plant improvements are based:

Application Date	11/29/2016	05/31/2018
DEPSC Approval Date	12/20/2016	06/19/2018
Effective Date	01/01/2017	07/01/2018

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Cumulative DSIC Rate	4.71	%	3.63	%
Net Eligible Plant Improvements – Cumulative Dollars (in millions)	\$ 16.6		\$ 24.7	
Eligible Plant Improvements – Installed Beginning Date	10/01/2014		10/01/2014	
Eligible Plant Improvements – Installed Ending Date	10/31/2016		04/30/2018	

The DSIC rate effective July 1, 2018 replaces the DSIC rate effective January 1, 2017. This reduced rate reflects the TCJA impact to customers, partially offset by eligible plant improvements installed through April 30, 2018. The cumulative DSIC rate effective July 1, 2018 noted above is under audit with the DEPSC. For the three and six months ended June 30, 2018 we did not report any earnings in DSIC revenue since the full amount of \$800,000 and \$1,548,000, respectively, is being held in reserve pending the outcome of the DEPSC's decision regarding the TCJA impact to customers. For the three and six months ended June 30, 2017, we earned approximately \$787,000 and \$1,543,000 in DSIC revenue, respectively.

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NOTE 9 – INCOME TAXES

The TCJA makes many significant changes to the Internal Revenue Code, including, but not limited to (1) reducing the federal corporate tax rate to a flat 21%; (2) creating a 30% limitation on deductible interest expense (not applicable to regulated utilities); (3) eliminating future bonus depreciation deductions on utility plant capital projects that began after September 27, 2017; (4) eliminating the domestic production activities deduction; (5) eliminating the corporate alternative minimum tax and changing how existing alternative minimum tax credits can be realized; (6) changing the rules related to uses and limitations of net operating loss carryforwards created in tax years beginning after December 31, 2017 and (7) repealing the exclusion from gross income contributions in aid of construction, or CIAC, for water utilities. The most significant change that impacts Artesian Resources is the reduction of the corporate federal income tax rate from our previous effect rate of 34% to the new flat tax rate of 21% beginning January 1, 2018.

The SEC Staff issued Accounting Bulletin No. 118, Income Tax Accounting of the TCJA, which provides guidance to address situations where a registrant does not have the necessary information available, prepared, or analyzed in reasonable detail to complete the accounting for certain income tax effects of the TCJA in the period in which the TCJA was enacted. Under the guidance, registrants can report the effects of the TCJA as provisional amounts based on reasonable estimates in those areas in which the accounting is incomplete. The provisional amounts are subject to adjustment during a measurement period that can extend no longer than one year from the enactment date. The Company made reasonable estimates in measuring and accounting for the effects of the TCJA, which are reflected in the June 30, 2018 financial statements, however, these estimates could change based on further analysis of the TCJA or further regulatory rulings from the Company's various Public Service Commissions.

Deferred income taxes are provided in accordance with FASB ASC Topic 740 on all differences between the tax basis of assets and liabilities and the amounts at which they are carried in the consolidated financial statements based on the enacted tax rates expected to be in effect when such temporary differences are expected to reverse. The Company's rate regulated utilities recognize regulatory liabilities, to the extent considered in ratemaking, for deferred taxes provided in excess of the current statutory tax rate and regulatory assets for deferred taxes provided at rates less than the current statutory rate. Such tax-related regulatory assets and liabilities are reported at the revenue requirement level and amortized to income as the related temporary differences reverse, generally over the lives of the related properties.

Under FASB ASC Topic 740, an uncertain tax position represents our expected treatment of a tax position taken, or planned to be taken in the future, that has not been reflected in measuring income tax expense for financial reporting purposes.

The Company establishes reserves for uncertain tax positions based upon management's judgment as to the sustainability of these positions. These accounting estimates related to the uncertain tax position reserve require judgments to be made as to the sustainability of each uncertain tax position based on its technical merits. The Company believes its tax positions comply with applicable law and that it has adequately recorded reserves as required. However, to the extent the final tax outcome of these matters is different than the estimates recorded, the Company would then adjust its tax reserves or unrecognized tax benefits in the period that this information becomes known. The Company has elected to recognize accrued interest (net of related tax benefits) and penalties related to uncertain tax positions as a component of its income tax expense.

The Company established two reserves for uncertain tax positions based upon management's judgment as to the sustainability of these positions related to the methodology for determining the deduction for utility system repairs and the difference in the tax depreciation expense utilizing the half-year convention rather than the mid-quarter convention.

The Company has accrued approximately \$7,200 in penalties and interest for the six months ended June 30, 2018. The Company remains subject to examination by federal authorities for the tax years 2015 through 2017 and state authorities for the tax years 2015 through 2017.

The Tax Reform Act of 1986 mandated that Advances and CIAC, received subsequent to December 31, 1986, generally are taxable income. The 1996 Tax Act provided an exclusion from taxable income for CIAC and Advances received after June 12, 1996 except for certain contributions for large services that are not included in rate base for rate-making purposes. On December 22, 2017, the TCJA repealed the 1996 exclusion from gross income effective on the enactment date.

Investment tax credits were deferred through 1986 and are recognized as a reduction of deferred income tax expense over the estimated economic useful lives of the related assets.

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## NOTE 10 – FAIR VALUE OF FINANCIAL INSTRUMENTS

The following methods and assumptions were used to estimate the fair value of each class of financial instruments for which it is practicable to estimate that value.

## Current Assets and Liabilities

For those current assets and liabilities that are considered financial instruments, the carrying amounts approximate fair value because of the short maturity of those instruments.

## Long-term Financial Liabilities

All of Artesian Resources' outstanding long-term debt as of June 30, 2018 and December 31, 2017 was fixed-rate. The fair value of the Company's long-term debt is determined by discounting its future cash flows using current market interest rates on similar instruments with comparable maturities consistent with FASB ASC 825. Under the fair value hierarchy, the fair value of the long-term debt in the table below is classified as Level 2 measurements. Level 2 is valued using observable inputs other than quoted prices. The fair values for long-term debt differ from the carrying values primarily due to interest rates that differ from the current market interest rates. The carrying amount and fair value of Artesian Resources' long-term debt are shown below:

In thousands

	June 30, 2018	December 31, 2017
Carrying amount	\$106,262	\$106,931
Estimated fair value	\$106,132	\$110,524

The fair value of Advances for Construction cannot be reasonably estimated due to the inability to estimate accurately the timing and amounts of future refunds expected to be paid over the life of the contracts. Refund payments are based on the water sales to new customers in the particular development constructed. The fair value of Advances for Construction would be less than the carrying amount because these financial instruments are non-interest bearing.

## NOTE 11 – RELATED PARTY TRANSACTIONS

In October 2017, September 2017, and February 2017, Artesian Water entered into agreements in the normal course of business with W.F. Construction, Inc. for work associated with building modifications to water treatment plants. The amounts of these agreements were approximately \$60,000, \$36,000 and \$100,000, respectively. The owner of W.F. Construction, Inc. is the husband of Mrs. Jennifer Finch, Vice President and Assistant Treasurer of Artesian Resources. No amounts were paid to W.F. Construction, Inc. for the three and six months ended June 30, 2018. Approximately \$44,000 and \$87,000 was paid to W.F. Construction, Inc. during the three and six months ended June 30, 2017, respectively. As of June 30, 2018, the Company had no liability to W.F. Construction, Inc.

As set forth in the Charter of the Audit Committee of the Board of Directors of Artesian Resources, the Audit Committee is responsible for reviewing and, if appropriate, approving all related party transactions between us and any officer, any director, any person known to be the beneficial owner of more than 5% of any class of the Company's voting securities or any other related person that would potentially require disclosure. In its review and approval of the 2017 related party transactions with W.F. Construction, Inc., the Audit Committee considered the nature of the related person's interest in the transaction; the satisfactory performance of work contracted with the related party prior to our employment of Mrs. Finch; and the material terms of the transaction, including, without limitation, the amount and type of transaction, the importance of the transaction to the related person, the importance of the transaction to the

Company and whether the transaction would impair the judgment of a director or officer to act in the best interest of the Company. The Audit Committee approves only those related person transactions that are in, or are consistent with, the best interests of the Company and its stockholders.

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NOTE 12 – BUSINESS COMBINATIONS

On March 29, 2018, Artesian Water purchased the utility assets of Slaughter Beach Water Company, which serves the community of Slaughter Beach located in Sussex County, Delaware along the Delaware Bay consisting of 265 customers. The total purchase price was \$450,000 in cash, which approximates the fair value of the net identifiable assets received. The acquisition was accounted for as a business combination under ASC Topic 805, "Business Combinations". The purchase price was allocated to the acquired utility assets, including land, based on the utility assets' estimated fair values as of the acquisition date. This acquisition was approved by the DEPSC on March 27, 2018 subject to the DEPSC determining the appropriate ratemaking treatment of the acquisition price and the assets acquired in Artesian Water's next base rate case. The pro forma effect of the business acquired is not material to the Company's financial position or results of operations.

NOTE 13 - IMPACT OF RECENT ACCOUNTING PRONOUNCEMENTS

In February 2016, the FASB issued new guidance on leases to increase transparency and comparability among organizations by recognizing lease assets and lease liabilities on the balance sheet and disclosing key information about leasing arrangements. The new standard establishes a right-of-use, or ROU, model that requires a lessee to record a ROU asset and a lease liability on the balance sheet for all leases with terms longer than 12 months. Leases will be classified as either finance or operating, with classification affecting the pattern of expense recognition in the income statement. The new standard is effective for fiscal years beginning after December 15, 2018, including interim periods within those fiscal years. A modified retrospective transition approach is required for lessees for capital and operating leases existing at, or entered into after, the beginning of the earliest comparative period presented in the financial statements, with certain practical expedients available. This guidance, as well as additional guidance issued in January 2018, provides for certain practical expedients, including permitting the Company to elect not to evaluate land easements that existed prior to implementation and were not previously accounted for as leases. Management is currently evaluating the impact of our pending adoption of the new standard, which includes compiling a list of all contracts that meet the definition of a lease under the new standard and determining the proper classification and accounting treatment of such contracts in order to determine the ultimate impact the new standard will have on our consolidated financial statements.

NOTE 14 - SUBSEQUENT EVENT

On August 8, 2018, Artesian Wastewater and CoBank, ACB, or CoBank, entered into a Master Loan Agreement, or the MLA, and two supplements to the MLA (each a "Supplement"), in which Cobank will loan Artesian Wastewater up to a total principal amount of \$12 million. Artesian Wastewater's obligation to repay the loans under each Supplement is evidenced by a promissory note. Artesian Wastewater's obligations under the MLA, each Supplement and each promissory note is secured by a: (1) statutory first priority lien on all equity which Artesian Wastewater may now own or hereafter acquire in CoBank; (2) a first priority lien on all real and other personal property of Artesian Wastewater, whether now existing or hereafter acquired; and (3) all proceeds thereof. In addition, Artesian Wastewater's obligations are guaranteed by Artesian Resources Corporation. Closing on the debt financing was approved by the Delaware Public Service Commission on June 5, 2018.

Each Supplement sets forth the principal amount, the purpose, the interest rate, the repayment terms and any other terms and conditions applicable to the particular loan. The first Supplement allows loans in an aggregate principal amount not to exceed \$7.5 million to provide long-term financing for approximately 60% of the cost to construct a wastewater disposal facility including a pipeline between the wastewater disposal facility site and the properties of Allen Harim Foods, LLC pursuant to the Process Wastewater Services Agreement dated January 27, 2017, between Artesian Wastewater and Allen Harim Foods, LLC. The second Supplement allows loans in an aggregate principal amount not to exceed \$4.5 million to provide long-term financing for the expansion and upgrade of the Stonewater



Wastewater Treatment Facility.

Each Supplement has the same interest rate and payment terms. Artesian Wastewater agrees to pay interest on the unpaid principal balance of the loans at 5.12% per annum. Interest shall be calculated and paid quarterly in arrears on the thirtieth (30th) day of each of March, June, September and December. Artesian Wastewater agrees to repay each loan in eighty consecutive quarterly installments, each due on the thirtieth (30th) day of each March, June, September, and December, with the first installment due on March 30, 2019, and the last installment due on December 30, 2038. The amount of each installment shall be the same principal amount that would be required to be repaid if the loan was scheduled to be repaid in level installments of principal and interest and such schedule was calculated utilizing 5.12% as the rate accruing on the loan; provided, however, that the last installment of each loan shall be in an amount equal to the then unpaid principal balance of the loan.

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Pursuant to the MLA, Artesian Wastewater agrees to pay to CoBank a broken funding surcharge and agrees to (A) give CoBank not less than three (3) business days' prior notice in the event it desires to repay any loan balance bearing interest at a fixed rate prior to the last day of the fixed rate period; and (B) pay to CoBank a broken funding surcharge in the amount set forth below in the event Artesian Wastewater: (1) repays any fixed rate balance prior to the last day of its fixed rate period (whether such payment is made voluntarily, as a result of an acceleration, or otherwise); (2) converts any fixed rate balance to another fixed rate or to a variable rate prior to the last day of the fixed rate period applicable to such balance; or (3) fails to borrow any fixed rate balance on the date scheduled therefor. The surcharge shall be in an amount equal to the greater of (i) the sum of the present value of: (A) any funding losses imputed by CoBank to have been incurred as a result of such payment, conversion or failure; plus (B) a per annum yield of 1/2 of 1% of the amount repaid, converted or not borrowed for the period such amount was scheduled to have been outstanding at such fixed rate, or (ii) \$300.00.

The MLA contains customary default provisions where the loans will become immediately due and payable, referred to as "Events of Default," and two financial covenants applicable to Artesian Wastewater; a debt coverage ratio of not less than 1.25 to 1.00 must be maintained commencing with the fiscal year beginning on January 1, 2019 and ending December 31, 2019, and the ratio of total debt to capitalization ratio cannot be greater than 65%. The loans shall be redeemed at a price equal to the sum of (i) the aggregate principal amount to be redeemed, and (ii) the interest accrued thereon through the date of redemption.

The foregoing summary is qualified in its entirety by reference to the text of the MLA and each Supplement and the Guarantee of Payment, copies of which are filed as Exhibit 4.2 and Exhibit 4.3, respectively, hereto and are incorporated by reference.

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ITEM 2

MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

CAUTION REGARDING FORWARD-LOOKING STATEMENTS

Statements in this Quarterly Report on Form 10-Q which express our "belief", "anticipation" or "expectation," as well as other statements which are not historical fact, are forward-looking statements within the meaning of Section 27A of the Securities Act, Section 21E of the Securities Exchange Act of 1934, as amended, or the Exchange Act and the Private Securities Litigation Reform Act of 1995. Statements regarding our goals, priorities, growth and expansion plans and expectation for our water and wastewater subsidiaries and non-regulated subsidiaries, customer base growth opportunities in Delaware and Cecil County, Maryland, our belief regarding our capacity to provide water services for the foreseeable future to our customers, our belief relating to our compliance and the cost to achieve compliance with relevant governmental regulations, our expectation of the timing of decisions by regulatory authorities, the impact of weather on our operations and the execution of our strategic initiatives, our expectation of the timing for construction on new projects, our expectation relating to the adoption of recent accounting pronouncements, contract operations opportunities, legal proceedings, our properties, deferred tax assets, adequacy of our available sources of financing, the expected recovery of expenses related to our long-term debt, our expectation to be in compliance with financial covenants in our debt instruments, our ability to refinance our debt as it comes due, our ability to adjust our debt level, interest rate, maturity schedule and structure, the timing and terms of renewals of our lines of credit, plans to increase our wastewater treatment operations, engineering services and other revenue streams less affected by weather, expected future contributions to our postretirement benefit plan, anticipated growth in our non-regulated division, the impact of recent acquisitions on our ability to expand and foster relationships, anticipated investments in certain of our facilities and systems and the sources of funding for such investments, the sufficiency of internally generated funds and credit facilities to provide working capital and our liquidity needs are forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 and involve risks and uncertainties that could cause actual results to differ materially from those projected. Words such as "expects", "anticipates", "intends", "plans", "believes", "seeks", "estimates", "projects", "forecasts", "may", "should", variations of such words and similar expressions are intended to identify such forward-looking statements. Certain factors as discussed under Item 1A -Risk Factors, in our Annual Report on Form 10-K for the year ended December 31, 2017, such as changes in weather, changes in our contractual obligations, changes in government policies, the timing and results of our rate requests, failure to receive regulatory approval, changes in economic and market conditions generally, and other matters could cause results to differ materially from those in the forward-looking statements. While the Company may elect to update forward-looking statements, we specifically disclaim any obligation to do so and you should not rely on any forward-looking statement as a representation of the Company's views as of any date subsequent to the date of the filing of this Quarterly Report on Form 10-Q.

RESULTS OF OPERATIONS FOR THE PERIOD ENDED JUNE 30, 2018

OVERVIEW

Our profitability is primarily attributable to the sale of water. Gross water sales comprise 88.2% of total operating revenues for the six months ended June 30, 2018. Our profitability is also attributed to the various contract operations, water, sewer and internal Service Line Protection Plans and other services we provide. Water sales are subject to seasonal fluctuations, particularly during summer when water demand may vary with rainfall and temperature. In the event temperatures during the typically warmer months are cooler than expected, or rainfall is greater than expected, the demand for water may decrease and our revenues may be adversely affected. We believe the effects of weather are

short term and do not materially affect the execution of our strategic initiatives. Our contract operations and other services provide a revenue stream that is not affected by changes in weather patterns.

While water sales are our primary source of revenues, we continue to seek growth opportunities to provide wastewater services in Delaware and the surrounding areas. We also continue to explore and develop relationships with developers and municipalities in order to increase revenues from contract water and wastewater operations, wastewater management services, and design, construction and engineering services. We plan to continue developing and expanding our contract operations and other services in a manner that complements our growth in water service to new customers. Our anticipated growth in these areas is subject to changes in residential and commercial construction, which may be affected by interest rates, inflation and general housing and economic market conditions. We anticipate continued growth in our non-regulated division due to our water, sewer, and internal Service Line Protection Plans.

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Water Division

Artesian Water, Artesian Water Maryland and Artesian Water Pennsylvania provide water services to residential, commercial, industrial, governmental, municipal and utility customers. Increases in the number of customers contribute to increases, or help to offset any intermittent decreases, in our operating revenue. As of June 30, 2018 we had approximately 85,200 metered water customers in Delaware, an increase of approximately 1,800 compared to June 30, 2017. The number of metered water customers in Maryland totaled approximately 2,300 as of June 30, 2018, a slight increase compared to June 30, 2017. The number of metered water customers in Pennsylvania remained consistent compared to June 30, 2017. For the six months ended June 30, 2018, approximately 3.8 billion gallons of water were distributed in our Delaware systems and approximately 69.2 million gallons of water were distributed in our Maryland systems.

Wastewater Division

Artesian Wastewater owns wastewater infrastructure and began providing wastewater services in Delaware in July 2005. Artesian Wastewater Maryland, which was incorporated on June 3, 2008, is able to provide regulated wastewater services in Maryland. Our residential and commercial wastewater customers are billed a flat monthly fee, which contributes to providing a revenue stream unaffected by weather. There has been consistent customer growth over the years. The number of Delaware wastewater customers totaled approximately 1,950 as of June 30, 2018, an increase of approximately 250, or 15.9%, compared to June 30, 2017. In addition, Artesian Wastewater entered into a wastewater services agreement with Allen Harim Foods, LLC, or Allen Harim, a large industrial customer, under which service is expected to begin in 2018. The wastewater services agreement with Allen Harim is discussed further in the "Strategic Direction" section below.

Non-Regulated Division

Artesian Utility provides contract water and wastewater operation services to private, municipal and governmental institutions. Artesian Utility currently operates wastewater treatment facilities for the town of Middletown, Delaware under a 20-year contract that expires in July 2022. The facilities include two wastewater treatment stations with capacities of up to approximately 2.5 million gallons per day and 250,000 gallons per day, respectively. We also operate a wastewater disposal facility in Middletown in order to support the 2.5 million gallons per day wastewater facility.

In addition to the water and wastewater services described above, Artesian Utility also offers three protection plans to customers, the WSLP Plan, the SSLP Plan, and the ISLP Plan. The WSLP Plan covers all parts, materials and labor required to repair or replace participating customers' leaking water service lines up to an annual limit. The SSLP Plan covers all parts, materials and labor required to repair or replace participating customers' leaking or clogged sewer lines up to an annual limit. The ISLP Plan enhances available coverage to include water and wastewater lines within customers' residences. As of June 30, 2018, approximately 19,500, or 23.8%, of our eligible water customers enrolled in the WSLP Plan, approximately 15,500, or 19.0%, of our eligible customers enrolled in the SSLP Plan, and approximately 5,200, or 6.4%, of our eligible customers enrolled in the ISLP Plan. Approximately 1,700 non-utility customers enrolled in one of our three protection plans.

Artesian Development is a real estate holding company that owns properties, including land zoned for office buildings, a water treatment plant and wastewater facility, as well as property for current operations, including an office facility in Sussex County, Delaware. The facility consists of approximately 10,000 square feet of office space along with nearly 10,000 square feet of warehouse space. This facility allows all of our Sussex County, Delaware operations to be housed in one central location.

Artesian Storm Water, incorporated on January 17, 2017, was formed to provide design, installation, maintenance and repair services related to existing or proposed storm water management systems in Delaware and the surrounding areas. The ability to offer storm water services will complement the primary water and wastewater services that we provide.

Artesian Consulting Engineers no longer offers development and architectural services to outside third parties. Artesian will continue to provide design and engineering contract services through our Artesian Utility subsidiary.

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Strategic Direction

Our strategy is to significantly increase customer growth, revenues, earnings and dividends by expanding our water, wastewater and Service Line Protection Plan services across the Delmarva Peninsula. We remain focused on providing superior service to our customers and continuously seeking ways to improve our efficiency and performance. By providing water and wastewater services, we believe we are positioned as the primary resource for developers and communities throughout the Delmarva Peninsula seeking to fill both needs simultaneously. We believe we have a proven ability to acquire and integrate high growth, reputable entities, through which we have captured additional service territories that will serve as a base for future revenue. We believe this experience presents a strong platform for further expansion and that our success to date also produces positive relationships and credibility with regulators, municipalities, developers and customers in both existing and prospective service areas.

In our regulated water division, our strategy is to focus on a wide spectrum of activities, which include identifying new and dependable sources of supply, developing the wells, treatment plants and delivery systems to supply water to customers and educating customers on the wise use of water. Our strategy includes focused efforts to expand in new regions added to our Delaware service territory over the last 10 years. In addition, we believe growth will occur in the Maryland counties on the Delmarva Peninsula. We plan to expand our regulated water service area in the Cecil County designated growth corridor and to expand our business through the design, construction, operation, management and acquisition of additional water systems. The expansion of our exclusive franchise areas elsewhere in Maryland and the award of contracts will similarly enhance our operations within the state.

On February 23, 2017, Artesian Water entered into an agreement with Fort DuPont Redevelopment and Preservation Corporation for the purchase of existing water assets and for the provision of potable water and fire suppression services. The Fort DuPont National Historic District, or Fort DuPont, consists of 325-acres and lies between the Delaware River on the east, the Chesapeake and Delaware Canal on the south and the Delaware City Branch Canal to the north and west. The final purchase price for the water assets consisting of a water treatment plant, storage tank, wells, mains, and other equipment used to provide potable water and fire suppression services to portions of Fort DuPont and the surrounding properties was \$852,000. Closing occurred in June 2017. In connection with the planned future development of Fort DuPont, the parties intend to design, build and operate a state of the art, cost effective, safe and reliable water system that will include both new water assets as well as improvements and upgrades to the existing water assets. The water system can be expanded to meet the needs of the planned 600 residential units as well as new commercial customers, in addition to water service currently provided to the Governor Bacon Health Center and National Guard facilities.

On March 29, 2018, Artesian Water purchased the utility assets of Slaughter Beach Water Company, or SBWC, for \$450,000. The public water system currently serves the community of Slaughter Beach located in Sussex County, Delaware along the Delaware Bay consisting of 265 customers. The SBWC was founded in 1951 as a public water system in Delaware.

We believe that Delaware's generally lower cost of living in the region, availability of development sites in relatively close proximity to the Atlantic Ocean in Sussex County, and attractive financing rates for construction and mortgages have resulted, and will continue to result, in increases to our customer base. Delaware's lower property and income tax rate make it an attractive region for new home development and retirement communities. Substantial portions of Delaware currently are not served by a public water system, which could also assist in an increase to our customer base as systems are added.

In our regulated wastewater division, we foresee significant growth opportunities and will continue to seek strategic partnerships and relationships with developers and governmental agencies to complement existing agreements for the provision of wastewater service on the Delmarva Peninsula. Artesian Wastewater plans to utilize our larger regional

wastewater facilities to expand service areas to new customers while transitioning our smaller treatment facilities into regional pump stations in order to gain additional efficiencies in the treatment and disposal of wastewater. We feel this will reduce operational costs at the smaller treatment facilities in the future because they will be converted from treatment and disposal plants to pump stations to assist with transitioning the flow of wastewater from one regional facility to another.

Artesian Wastewater entered into agreements that will provide growth opportunities and will utilize our larger regional wastewater facilities. In August 2016, Artesian Wastewater and Sussex County, a political subdivision of Delaware, entered into an agreement to provide reciprocal services to address the periodic need of each for additional wastewater treatment and disposal capacity in certain service areas within Sussex County. There are numerous locations in Sussex County where Artesian Wastewater's and Sussex County's facilities are capable of being connected or integrated to allow for the movement and disposal of wastewater generated by one or the other's system in a manner that most efficiently and cost effectively manages wastewater transmission, treatment and disposal.



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On September 27, 2016, Artesian Wastewater entered into a wastewater services agreement with Allen Harim for Artesian Wastewater to provide treatment and disposal services for sanitary wastewater discharged from Allen Harim’s properties located in Sussex County, Delaware upon completion of a pipeline to transfer the sanitary wastewater. The pipeline was completed in the second quarter of 2017. The transfer of sanitary wastewater is pending receipt of a construction permit and installation of related on-site improvements by Allen Harim. On January 27, 2017, Artesian Wastewater entered into a second wastewater agreement with Allen Harim for Artesian Wastewater to provide disposal services for approximately 1.5 million gallons per day of treated industrial process wastewater upon completion of an approximately eight mile pipeline that will transfer the wastewater from Allen Harim’s properties to a 90 million gallon storage lagoon at Artesian’s Northern Sussex Regional Water Recycling Facility. We will use the reclaimed wastewater for spray irrigation on agricultural land in the area. The completion of the industrial process wastewater pipeline and storage lagoon should occur by the end of 2018.

The general need for increased capital investment in our water and wastewater systems is due to a combination of population growth, more protective water quality standards and aging infrastructure. Our capital investment plan for the next three years includes projects for water treatment plant improvements and additions in both Delaware and Maryland and wastewater treatment plant improvements and expansion in Delaware. Capital improvements are planned and budgeted to meet anticipated changes in regulations and needs for increased capacity related to projected growth. The DEPSC and MDPSC have generally recognized the operating and capital costs associated with these improvements in setting water and wastewater rates for current customers and capacity charges for new customers.

In our non-regulated division, we continue pursuing opportunities to expand our contract operations. Through Artesian Utility, we will seek to expand our contract design, engineering and construction services of water and wastewater facilities for developers, municipalities and other utilities. We also anticipate continued growth due to our water, sewer and internal Service Line Protection Plans. Artesian Development owns two nine-acre parcels of land, located in Sussex County, Delaware, which will allow for construction of a water treatment facility and wastewater treatment facility. Artesian Storm Water was recently formed to expand contract work related to the design, installation, maintenance and repair services associated with existing or proposed storm water management systems in Delaware and the surrounding areas.

Regulatory Matters

Our water and wastewater utility operations are subject to regulation by their respective state regulatory commissions, which have broad administrative power and authority to regulate rates charged for service, determine franchise areas and conditions of service, approve acquisitions, authorize the issuance of securities and oversee other matters. The profitability of our utility operations is influenced, to a great extent, by the timeliness and adequacy of rate allowances we are granted by the respective regulatory commissions or authorities in the states in which we operate.

Delaware law permits water utilities to put into effect, on a semi-annual basis, increases related to specific types of distribution system improvements through a DSIC. This charge may be implemented by water utilities between general rate increase applications that normally recognize changes in a water utility's overall financial position. The DSIC approval process is less costly when compared to the approval process for general rate increase requests. The DSIC rate applied between base rate filings is capped at 7.50% of the amount billed to customers under otherwise applicable rates and charges, and the DSIC rate increase applied cannot exceed 5.0% within any 12-month period.

The following table summarizes (1) Artesian Water’s applications with the DEPSC to collect DSIC rates and (2) the rates upon which eligible plant improvements are based:

Application Date	11/29/2016	05/31/2018
DEPSC Approval Date	12/20/2016	06/19/2018

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Effective Date	01/01/2017	07/01/2018
Cumulative DSIC Rate	4.71 %	3.63 %
Net Eligible Plant Improvements – Cumulative Dollars (in millions)	\$ 16.6	\$ 24.7
Eligible Plant Improvements – Installed Beginning Date	10/01/2014	10/01/2014
Eligible Plant Improvements – Installed Ending Date	10/31/2016	04/30/2018

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The DSIC rate effective July 1, 2018 replaces the DSIC rate effective January 1, 2017. This reduced rate reflects the TCJA impact to customers, partially offset by eligible plant improvements installed through April 30, 2018. The cumulative DSIC rate effective July 1, 2018 noted above is under audit with the DEPSC. For the three and six months ended June 30, 2018 we did not report any earnings in DSIC revenue since the full amount of \$800,000 and \$1,548,000, respectively, is being held in reserve pending the outcome of the DEPSC's decision regarding the TCJA impact to customers. For the three and six months ended June 30, 2017, we earned approximately \$787,000 and \$1,543,000 in DSIC revenue, respectively.

## Inflation

We are affected by inflation, most notably by the continually increasing costs required to maintain, improve and expand our service capability. The cumulative effect of inflation results in significantly higher facility costs compared to investments made 20 to 40 years ago, which must be recovered from future cash flows.

## Results of Operations – Analysis of the Three Months Ended June 30, 2018 Compared to the Three Months Ended June 30, 2017.

### Operating Revenues

Revenues totaled \$20.2 million for the three months ended June 30, 2018, \$0.3 million, or 1.3%, less than revenues for the three months ended June 30, 2017. Water sales revenue decreased \$0.4 million, or 2.1%, for the three months ended June 30, 2018 from the corresponding period in 2017, primarily due to a decrease in DSIC related to earnings being held in reserve pending the final determination of the potential rate relief due to customers as a result of the TCJA. This decrease is partially offset by an increase in customer charges from customer growth and an increase in overall water consumption. We realized 88.3% and 89.0% of our total operating revenue for the three months ended June 30, 2018 and June 30, 2017, respectively, from the sale of water.

Other utility operating revenue increased approximately \$0.1 million, or 6.5%, for the three months ended June 30, 2018 compared to the three months ended June 30, 2017. The increase is primarily due to an increase in wastewater revenue from customer growth, partially offset by a decrease in water service charges.

### Operating Expenses

Operating expenses, excluding depreciation and income taxes, decreased \$0.5 million, or 4.6%, for the three months ended June 30, 2018, compared to the same period in 2017.

Utility operating expenses decreased \$0.5 million, or 5.7%, for the three months ended June 30, 2018 over the same period in 2017. The decrease is primarily related to the following.

Payroll, employee benefit costs and related expenses decreased \$0.5 million due to a decrease in equity compensation awards and timing of compensation.

Purchased water expense decreased \$0.1 million, primarily due to more water purchased in 2017 during relocation of a major transmission main in our northern New Castle County, Delaware water system due to state highway construction.

Repair and maintenance expense increased \$0.1 million, primarily due to the painting of an elevated water storage tank in our Cecil County, Maryland system. This increase is partially offset by a decrease related to the timing of

expenses related to the maintenance of water treatment equipment, specifically carbon filter replacements, in our Delaware water system.

The ratio of operating expense, excluding depreciation and income taxes, to total revenue was 53.8% for the three months ended June 30, 2018, compared to 55.7% for the three months ended June 30, 2017.

Depreciation and amortization expense increased \$0.2 million, or 9.1%, primarily due to continued investment in utility plant providing supply, treatment, storage and distribution of water to customers and service to our wastewater customers.

Federal and state income tax expense decreased \$0.2 million, or 11.3%, primarily due to the reduction in the Federal corporate income tax rate by the TCJA signed into law on December 22, 2017.

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### Other Income, Net

Other income, net increased \$0.4 million, primarily due to a pledge made in 2017 to a non-profit entity in Delaware to support the state's economic development effort. A similar pledge was not made in 2018.

### Net Income

Our net income applicable to common stock increased \$0.7 million, primarily due to a decrease in utility operating expenses and a pledge made in 2017 to a non-profit entity in Delaware to support the state's economic development effort.

## Results of Operations – Analysis of the Six Months Ended June 30, 2018 Compared to the Six Months Ended June 30, 2017.

### Operating Revenues

Revenues totaled \$39.1 million for the six months ended June 30, 2018, \$0.6 million, or 1.4%, less than revenues for the six months ended June 30, 2017. Water sales revenue decreased \$0.7 million, or 1.9%, for the six months ended June 30, 2018 from the corresponding period in 2017, primarily due to a decrease in DSIC related to earnings being held in reserve pending the final determination of the potential rate relief due to customers as a result of the TCJA. This decrease is partially offset by an increase in overall water consumption and an increase in customer charges from customer growth. We realized 88.2% and 88.6% of our total operating revenue for the six months ended June 30, 2018 and June 30, 2017, respectively, from the sale of water.

Non-utility operating revenue increased approximately \$0.1 million, or 3.1%, for the six months ended June 30, 2018 compared to the same period in 2017. The increase is primarily due to an increase in Service Line Protection Plan revenue.

### Operating Expenses

Operating expenses, excluding depreciation and income taxes, decreased \$0.3 million, or 1.3%, for the six months ended June 30, 2018, compared to the same period in 2017.

Utility operating expenses decreased \$0.4 million, or 2.0%, for the six months ended June 30, 2018 over the same period in 2017. The decrease is primarily related to the following.

Payroll, employee benefit costs and related expenses decreased \$0.4 million due to a decrease in equity compensation awards and timing of compensation.

Purchased water expense decreased \$0.2 million, primarily due to more water purchased in 2017 during relocation of a major transmission main in our northern New Castle County, Delaware water system due to state highway construction.

Repair and maintenance expense increased \$0.2 million, primarily due to the painting of an elevated water storage tank in our Cecil County, Maryland system. This increase is partially offset by a decrease related to the timing of expenses related to the maintenance of water treatment equipment, specifically carbon filter replacements, in our Delaware water system.

Property and other taxes increased \$0.1 million, or 4.4%, primarily due to an increase in utility plant subject to taxation. Property taxes are assessed on land, buildings and certain utility plant, which include the footage and size of pipe, hydrants and wells.

The ratio of operating expense, excluding depreciation and income taxes, to total revenue was 56.0% for the six months ended June 30, 2018, compared to 55.9% for the six months ended June 30, 2017.

Depreciation and amortization expense increased \$0.5 million, or 9.9%, primarily due to continued investment in utility plant providing supply, treatment, storage and distribution of water to customers and service to our wastewater customers.

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Federal and state income tax expense decreased \$1.0 million, or 24.7%, primarily due to the reduction in the Federal corporate income tax rate by the TCJA signed into law on December 22, 2017.

## Other Income, Net

Other income, net increased \$0.7 million, primarily due to an increase in the amount of the annual patronage refund from CoBank, ACB, related to the refinancing of the Series O and Series Q First Mortgage bonds in January 2017. The annual patronage has been equal to 1.00% of the average line of credit and loan volume outstanding. In addition, a pledge was made in 2017 to a non-profit entity in Delaware to support the state's economic development effort. A similar pledge was not made in 2018.

## Interest Charges

Interest expense decreased \$0.1 million, primarily due to the refinancing of the Series P First Mortgage bond in January 2018, reducing the interest rate from 6.58% to 4.71%. This decrease is partially offset by an increase in interest charges due to an increase in borrowing under lines of credit.

## Net Income

Our net income applicable to common stock increased \$1.1 million, primarily due to an increase in the amount of the annual patronage refund from CoBank, ACB and reduced utility operating expenses, federal and state income taxes and interest expense.

## LIQUIDITY AND CAPITAL RESOURCES

### Overview

Our primary sources of liquidity for the six months ended June 30, 2018 were \$12.7 million of cash provided by operating activities, \$9.8 million from lines of credit borrowings, \$4.1 million in net contributions and advances from developers and \$0.6 million in net proceeds from the issuance of common stock. Cash flow from operating activities is primarily provided by our utility operations, and is impacted by the timeliness and adequacy of rate increases and changes in water consumption as a result of year-to-year variations in weather conditions, particularly during the summer. A significant part of our ability to maintain and meet our financial objectives is to ensure that our investments in utility plant and equipment are recovered in the rates charged to customers. As such, from time to time, we file rate increase requests to recover increases in operating expenses and investments in utility plant and equipment.

### Investment in Plant and Systems

The primary focus of Artesian Water's investment is to continue to provide high quality reliable service to our growing service territory. We invested approximately \$23.0 million in capital expenditures during the first six months of 2018 compared to \$17.1 million invested during the same period in 2017. During the first six months of 2018, we invested approximately \$4.4 million for our rehabilitation program for transmission and distribution facilities by replacing aging or deteriorating mains and for new transmission and distribution facilities. We invested \$4.5 million to enhance or improve existing treatment facilities and replace aging wells and pumping equipment to better serve our customers. We invested \$1.3 million for equipment purchases, computer hardware and software upgrades and transportation equipment. Developers financed \$2.0 million for the installation of water mains and hydrants for the first six months in 2018 compared to \$2.3 million for the first six months of 2017. We invested \$1.5 million to

upgrade and automate our meter reading equipment. We invested approximately \$0.6 million in mandatory utility plant expenditures due to governmental highway projects, which required the relocation of water service mains in addition to facility improvements and upgrades. An additional \$8.7 million was invested in wastewater projects in Delaware, of which \$8.2 million was invested in the ongoing construction of an eight mile pipeline and a 90 million gallon storage lagoon for spray irrigation to dispose of treated wastewater from a new industrial customer.

We depend on the availability of capital for expansion, construction and maintenance. We have several sources of liquidity to finance our investment in utility plant and other fixed assets. We estimate that future investments will be financed by our operations and external sources, including a combination of capital investment and short-term borrowings. We expect to fund our activities for the next twelve months using our available cash balances, bank credit lines, projected cash generated from operations and financing in the capital markets as necessary. We believe that internally generated funds along with existing credit facilities will be adequate to provide sufficient working capital to maintain normal operations and to meet our financing requirements. Our cash flows from operations are primarily derived from water sales revenues and may be materially affected by changes in water sales due to weather and the timing and extent of increases in rates approved by state Public Service Commissions.



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## The Tax Cuts and Jobs Act

On December 22, 2017, the TCJA was signed into law. We are in the process of analyzing the TCJA and its overall impact on the Company. The TCJA reduces the federal corporate tax rate to 21 percent from 35 percent, among other things. Notwithstanding the reduction in the corporate income tax rate, the overall impact of the TCJA is uncertain. However, based on its preliminary assessment of the reduction in the federal corporate tax rate, the Company currently expects that its 2018 effective tax rate will be reduced and will result in overall lower tax expense beginning in 2018. Such estimate is based on management's current assumptions with respect to, among other things, the Company's earnings, state income tax levels and tax deductions. The Company's actual effective tax rate in 2018 may differ from management's estimate. The TCJA also includes certain other provisions specifically related to the public utility industry, including the exclusion from utilizing bonus depreciation. The impact with respect to provisions specifically related to the public utility industry or to corporate taxpayers in general may also impact our future financial performance, including our results of operations, cash flows and liquidity, which impacts will largely be determined through future regulatory proceedings.

On January 16, 2018, the DEPSC approved the opening of Docket No. 17-1240 requiring Delaware utilities to determine the impact that the TCJA had on their customers and potential rate relief due to customers. We submitted the required reports to the DEPSC by the March 31, 2018 deadline. The Company expects any reduction in corporate income tax expense resulting from the TCJA will be passed through to customers in the form of reduced tariff rates or approved DSIC rates. Until a final decision is determined by the DEPSC, DSIC revenue for the first six months of 2018 is being held in reserve and is not reflected in income. This reserved amount approximates the TCJA impact to Artesian Water's customers.

Lines of Credit

At June 30, 2018, Artesian Resources had a \$40 million line of credit with Citizens Bank, or Citizens, which is available to all subsidiaries of Artesian Resources. As of June 30, 2018, there was \$30.6 million of available funds under this line of credit. The interest rate for borrowings under this line is the London Interbank Offered Rate, or LIBOR, plus 1.00%. This is a demand line of credit and therefore the financial institution may demand payment for any outstanding amounts at any time. The term of this line of credit expires on the earlier of May 24, 2019 or any date on which Citizens demands payment. The Company expects to renew this line of credit.

At June 30, 2018, Artesian Water had a \$20 million line of credit with CoBank, ACB, or CoBank, that allows for the financing of operations for Artesian Water, with up to \$10 million of this line available for the operations of Artesian Water Maryland. As of June 30, 2018, there was \$10.0 million of available funds under this line of credit. The interest rate for borrowings under this line is LIBOR plus 1.50%. The term of this line of credit expires on July 20, 2019. We expect to renew this line of credit.

Line of Credit Commitments	Commitment Due by Period			
	Less than			
In thousands	1 Year	1-3 Years	4-5 Years	Over 5 Years
Lines of Credit	\$ 19,433	\$ --	\$ --	\$ --

Long-Term Debt

Artesian Water's trust indentures, which set certain criteria for the issuance of new long-term debt, limit long-term debt, including the short-term portion thereof, to 66 % of total capitalization. Our debt to total capitalization, including the short-term portion thereof, was 47.6% at June 30, 2018. In addition, our revolving line of credit with CoBank

contains customary affirmative and negative covenants that are binding on us (which are in some cases subject to certain exceptions), including, but not limited to, restrictions on our ability to make certain loans and investments, guaranty certain obligations, enter into, or undertake, certain mergers, consolidations or acquisitions, transfer certain assets, change our business or incur additional indebtedness. In addition, this line of credit requires us to abide by certain financial covenants and ratios. As of June 30, 2018, we were in compliance with these covenants.

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We expect to fund our activities for the next 12 months using our available cash balances and bank credit lines, plus projected cash generated from operations.

Contractual Obligations	Payments Due by Period				
	Less than 1 Year	1-3 Years	4-5 Years	After 5 Years	Total
In thousands					
First mortgage bonds (principal and interest)	\$5,378	\$10,680	\$10,566	\$143,409	\$170,033
State revolving fund loans (principal and interest)	1,002	2,005	1,611	3,865	8,483
Operating leases	77	114	119	1,298	1,608
Unconditional purchase obligations	3,824	7,659	1,928	--	13,411
Tank painting contractual obligation	426	213	--	--	639
Total contractual cash obligations	\$10,707	\$20,671	\$14,224	\$148,572	\$194,174

Long-term debt obligations reflect the maturities of certain series of our first mortgage bonds, which we intend to refinance when due if not refinanced earlier. The state revolving fund loan obligation has an amortizing mortgage payment payable over a 20-year period, and will be refinanced as future securities are issued. Both the long-term debt and the state revolving fund loan have certain financial covenant provisions, the violation of which could result in default and require the obligation to be immediately repaid, including all interest. We have not experienced conditions that would result in our default under these agreements.

On January 18, 2017, Artesian Water and CoBank entered into a Bond Purchase Agreement relating to the issue and sale by the Company to CoBank of a \$40 million principal amount First Mortgage Bond, Series T, or the Series T Bond, due December 20, 2036, or the Series T Maturity Date. The Series T Bond was issued pursuant to the Company's Indenture of Mortgage dated as of July 1, 1961, as amended and supplemented by supplemental indentures, including the Twenty-Second Supplemental Indenture dated as of January 18, 2017 from the Company to Wilmington Trust Company, as Trustee. The Indenture is a first mortgage lien against substantially all of the Company's utility plant. The proceeds from the sale of the Series T Bond were used to prepay indebtedness of the Company under two existing First Mortgage Bonds: Series O, principal amount \$20 million with interest rate of 8.17% and related prepayment costs of \$4.5 million; and Series Q, principal amount \$15.4 million with interest rate of 4.75%. The DEPSC approved the issuance of the Series T Bond on December 20, 2016. The DEPSC also approved deferral of the prepayment costs associated with the First Mortgage Bond, Series O and the previously deferred debt related costs associated with the First Mortgage Bonds, Series O and Series Q.

The Series T Bond carries an annual interest rate of 4.24% through and including the Series T Maturity Date. Interest is payable on June 30th and December 31st of each year, beginning June 30, 2017, until the Company's obligation with respect to the payment of principal, premium (if any) and interest shall be discharged. Overdue payments shall bear interest as provided in the Twenty-Second Supplemental Indenture. The terms of the Series T Bond also include certain limitations on the Company's indebtedness.

On January 24, 2018, Artesian Water Maryland signed an interconnection agreement with the Town of North East that has a "take or pay" clause requiring us to purchase a minimum of 35,000 gallons per day of water that shall commence on the first day of the month following the date on which the interconnection is completed. The interconnection completion date is expected to occur during the third quarter of 2018.

On January 31, 2018, Artesian Water and CoBank entered into a Bond Purchase Agreement relating to the issue and sale by the Company to CoBank of a \$25 million principal amount First Mortgage Bond, Series U, or the Series U

Bond, due January 31, 2038, or the Series U Maturity Date. The Series U Bond was issued pursuant to the Company's Indenture of Mortgage dated as of July 1, 1961, as amended and supplemented by supplemental indentures, including the Twenty-Third Supplemental Indenture, dated as of January 31, 2018 from the Company to Wilmington Trust Company, as Trustee. The Indenture is a first mortgage lien against substantially all of the Company's utility plant. The proceeds from the sale of the Series U Bond together with other funds of the Company, were used to pay in full at maturity indebtedness of the Company under those certain First Mortgage Bonds, Series P. The DEPSC approved the issuance of the Series U Bond on December 21, 2017.

The Series U Bond carries an annual interest rate of 4.71% through and including the Series U Maturity Date. Interest is payable on January 30th, April 30th, July 30th and October 30th in each year and on the Series U Maturity Date, beginning April 30, 2018 until the Company's obligation with respect to the payment of principal, premium (if any) and interest shall be discharged. Overdue payments shall bear interest as provided in the Twenty-Third Supplemental Indenture. The term of the Series U Bond also includes certain limitations on the Company's indebtedness.

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On August 8, 2018, Artesian Wastewater and CoBank entered into a Master Loan Agreement, or the MLA, and two supplements to the MLA, in which Cobank will loan Artesian Wastewater up to a total principal amount of \$12 million (see Note 14). Artesian Wastewater agrees to pay interest on the unpaid principal balance of the loans at 5.12% per annum. Interest shall be calculated and paid quarterly in arrears on the thirtieth (30th) day of each of March, June, September and December. Artesian Wastewater agrees to repay each loan in eighty consecutive quarterly installments, each due on the thirtieth (30th) day of each March, June, September, and December, with the first installment due on March 30, 2019, and the last installment due on December 30, 2038. The amount of each installment shall be the same principal amount that would be required to be repaid if the loan was scheduled to be repaid in level installments of principal and interest and such schedule was calculated utilizing 5.12% as the rate accruing on the loan; provided, however, that the last installment of each loan shall be in an amount equal to the then unpaid principal balance of the loan. Closing on the debt financing was approved by the Delaware Public Service Commission on June 5, 2018. The foregoing summary is qualified in its entirety by reference to the text of the MLA and each Supplement and the Guarantee of Payment, copies of which are filed as Exhibit 4.2 and Exhibit 4.3, respectively, hereto and are incorporated by reference.

Payments for unconditional purchase obligations reflect minimum water purchase obligations based on rates that are subject to change under our interconnection agreement with the Chester Water Authority, which expires December 31, 2021.

### Off-Balance Sheet Arrangements

We do not have any off-balance sheet arrangements, including any arrangements with any structured finance, special purpose or variable interest entities.

### Critical Accounting Assumptions, Estimates and Policies; Recent Accounting Standards

This discussion and analysis of our financial condition and results of operations is based on the accounting policies used and disclosed in our 2017 consolidated financial statements and accompanying notes that were prepared in accordance with accounting principles generally accepted in the United States of America and included as part of our annual report on Form 10-K for the year ended December 31, 2017. The preparation of those financial statements required management to make assumptions and estimates that affected the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the dates of the financial statements as well as the reported amounts of revenues and expenses during the reporting periods. Actual amounts or results could differ from those based on such assumptions and estimates.

Our critical accounting policies are described in Management's Discussion and Analysis of Financial Condition and Results of Operations included in our annual report on Form 10-K for the year ended December 31, 2017. There have been no changes in our critical accounting policies. Our significant accounting policies are described in our notes to the 2017 consolidated financial statements included in our annual report on Form 10-K for the year ended December 31, 2017.

Information concerning our implementation and the impact of recent accounting standards issued by the Financial Accounting Standards Board is included in the notes to our 2017 consolidated financial statements included in our annual report on Form 10-K for the year ended December 31, 2017 and also in the notes to our unaudited condensed consolidated financial statements contained in this quarterly report on Form 10-Q. We did not adopt any accounting policy in the first six months of 2018 that had a material impact on our financial condition, liquidity or results of operations.



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ITEM 3 - QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

The Company is subject to the risk of fluctuating interest rates in the normal course of business. Our policy is to manage interest rates through the use of fixed rate long-term debt and, to a lesser extent, short-term debt. The Company's exposure to interest rate risk related to existing fixed rate, long-term debt is due to the term of the majority of our First Mortgage Bonds, which have final maturity dates ranging from 2028 to 2038, and interest rates ranging from 4.24% to 5.96%, which exposes the Company to interest rate risk as interest rates may drop below the existing fixed rate of the long-term debt prior to such debt's maturity. In addition, the Company has interest rate exposure on \$60 million of variable rate lines of credit with two banks, under which the interim bank loans payable at June 30, 2018 were approximately \$19.4 million. An increase in interest rates will result in an increase in the cost of borrowing on this variable rate line. We are also exposed to market risk associated with changes in commodity prices. Our risks associated with price increases in chemicals, electricity and other commodities are mitigated by our ability to recover our costs through rate increases to our customers. We have also sought to mitigate future significant electric price increases by signing a multi-year supply contract, at a fixed price.

ITEM 4 – CONTROLS AND PROCEDURES

(a) Evaluation of Disclosure Controls and Procedures

Our management, with the participation of our Chief Executive Officer and our Chief Financial Officer, evaluated the effectiveness of the design and operation of our disclosure controls and procedures as of the end of the period covered by this report. Based upon that evaluation, the Chief Executive Officer and the Chief Financial Officer concluded that our disclosure controls and procedures as of the end of the period covered by this report were designed to provide reasonable assurance that the information required to be disclosed by us in reports filed under the Securities Exchange Act of 1934 is (1) recorded, processed, summarized and reported within the time periods specified in the SEC's rules and forms and (2) accumulated and communicated to our management, including the Chief Executive Officer and Chief Financial Officer, as appropriate to allow timely decisions regarding required disclosure. In addition, the Chief Executive Officer and the Chief Financial Officer concluded that our disclosure controls and procedures as of the end of the period covered by this report were effective to achieve the foregoing objectives.

(b) Change in Internal Control over Financial Reporting

No change in our internal control over financial reporting occurred during our most recent fiscal quarter that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

PART II - OTHER INFORMATION

ITEM 1 – LEGAL PROCEEDINGS

On April 3, 2018 Wetherby, LLC filed a complaint against Artesian Resources Corporation and Artesian Wastewater Management, Inc., or the Defendants, in United States District Court for the District of Delaware, or the Court. The complaint alleged that the Defendants have engaged in monopolization and/or attempted monopolization in violation of Section 2 of the Sherman Antitrust Act in connection with negotiating the terms upon which Artesian Wastewater Management, Inc. might provide wastewater services to a proposed development in Sussex County, Delaware. The complaint sought the following relief: a permanent injunction requiring Defendants to provide wastewater services; a declaration that the Defendants are a monopoly; a declaration that the Defendants' actions violate Section 2 of the Sherman Act; actual damages in an amount to be proved at trial, but not less than \$10 million; treble damages under

the Clayton Act, and the cost of suit, including reasonable attorneys' fees; and such other relief as the Court deemed just and proper. We believed the claims were without merit and defended the suit vigorously. On May 15, 2018, the Court sent notice that Wetherby, LLC withdrew, with prejudice, its claims against the Defendants.

Periodically, we are involved in other proceedings or litigation arising in the ordinary course of business. We do not believe that the ultimate resolution of these matters will materially affect our business, financial position or results of operations. However, we cannot assure that we will prevail in any litigation and, regardless of the outcome, may incur significant litigation expense and may have significant diversion of management attention.



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ITEM 1A – RISK FACTORS

In addition to the other information set forth in this report, you should carefully consider the factors discussed in Part I, "Item 1A. Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2017, which could materially affect our business, financial condition or future results. There have been no material changes to the risk factors described in such Annual Report on Form 10-K.

ITEM 2 – UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS

Not applicable.

ITEM 3 – DEFAULTS UPON SENIOR SECURITIES

Not applicable.

ITEM 4 – MINE SAFETY DISCLOSURES

Not applicable.

ITEM 5 – OTHER INFORMATION

Not applicable.

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ITEM 6 - EXHIBITS

Exhibit No.	Description
<u>4.1</u>	Interest Rate Lock Agreement, dated as of May 7, 2018, by and between Artesian Wastewater Management, Inc. and CoBank, ACB. Incorporated by reference to Exhibit 4.1 filed with the Company's Form 8-K filed on May 10, 2018.
<u>4.2</u>	Master Loan Agreement, dated as of August 8, 2018, by and between Artesian Wastewater Management, Inc. and CoBank, ACB.*
<u>4.3</u>	Guarantee of Payment, dated as of August 8, 2018, by and between Artesian Resources Corporation and CoBank, ACB.*
<u>31.1</u>	Certification of Chief Executive Officer of the Registrant required by Rule 13a-14(a) under the Securities Exchange Act of 1934, as amended.*
<u>31.2</u>	Certification of Chief Financial Officer of the Registrant required by Rule 13a-14(a) under the Securities Exchange Act of 1934, as amended.*
<u>32</u>	Certification of Chief Executive Officer and Chief Financial Officer required by Rule 13a-14(b) under the Securities Exchange Act of 1934, as amended and Section 1350 of Chapter 63 of Title 18 of the United States Code (18 U.S.C. Section 1350).**
101	The following financial statements from Artesian Resources Corporation's Quarterly Report on Form 10-Q for the quarterly period ended June 30, 2018 formatted in eXtensible Business Reporting Language (XBRL): (i) the Condensed Consolidated Balance Sheets; (ii) the Condensed Consolidated Statements of Operations; (iii) the Condensed Consolidated Statements of Cash Flows; and (iv) the Notes to the Condensed Consolidated Financial Statements.*

\* Filed herewith

\*\* Furnished herewith

