

Office of

**AUBURN WATER DISTRICT**

Office Telephone # 784-6469

The regular monthly meeting of the Trustees of the Auburn Water District will be held at the office of the Auburn Water District, 268 Court Street, on Wednesday, January 16, 2019 at 4:00 P.M.

**AGENDA**

1. Approve Minutes of Regular Meeting of December 19, 2018.
2. Approve Minutes of Special Joint Meeting of December 19, 2018 with Auburn Sewer District Trustees.
3. Approve Minutes of Public Hearing of December 19, 2018 regarding proposed 2019 Budget
4. Financial Report Update - *Greg Leighton*.
5. Ratify Payment of Bills
6. Open session
7. Activity Report - Mike Broadbent
8. New Business
  - Water Quality Update
  - Infrastructure replacement and impact on rates
  - Project Update
  - Auburn Mayor Ad Hoc Committee
  - Employee Benefits Committee
9. Old Business
10. Adjourn Regular Meeting.

Upcoming: Water Trustee Meeting, February 20, 2019 4:00PM

# Memo

To: Water & Sewerage District Trustees

From: Sid Hazelton, P.E., Superintendent

CC: Files

Date: 1/10/2019

Re: Discussion of January Agenda Items

---

## Water Trustees

### Financial Report Highlights

The District finished the year ahead of budget by \$116k before any audit adjusting entries. Water sales were better than budget by \$57k and expenses better by \$54k. Labor and benefits were both favorable and we benefitted from receipt of legal fee reimbursement from the Town of Poland. Capital spend for the year came in at just over \$1 million. Cash on hand ended at \$574k.

### Water Quality Update

With the exception of a portion of the lake off Salmon Point, the lake is iced over. Synura algae is no longer present in the Lake, and we have not received any water quality calls since December 3, 2018.

The minutes from the meeting with the algaecide team on December 11 is included in the packet.

A presentation on Lake Auburn Water Quality was given to the Auburn City Council on January 7.

## Project Updates

We are in the planning stage of the 2019 projects. Poland Road, in particular, will require a lot of advanced planning, as there are many side streets that will require the installation of new valves, and there are many homes that will need to be put on temporary water as the project is underway.

## Infrastructure Replacement and Impact on Rates

We currently budget to replace 1.5 miles of pipe per year. Included in the packet is a chart that illustrates what the budgetary impact would be if we were to replace up to 3 miles per year.

## Auburn Mayor Ad Hoc Committee

Following a presentation to the Auburn City Council on January 7, the Mayor is planning to appoint an Ad Hoc Committee to investigate and report back to the Council on the cost of installing and maintaining a filtration plant for Lake Auburn. Included in the packet are the results of my research into this issue.

# Sewer Trustees

## Financial Report Highlights

The District finished the year ahead of budget by \$83k before any audit adjusting entries. Metered sales were less than budget by \$60k but expenses were better by \$126k. Labor and benefits were both favorable. Focus on the airport project this year by in-house labor and LAWPCA charges were favorable all year. Capital spend for the year was \$375k. Cash on hand ended at \$1.6M.

## Project Update

2019 promises to be a busy year for the District. Trustees will be updated on a number of projects and reports.

## Cost Apportionment

The December apportionment continued to trend in our favor. For the year 2018 our apportionment was \$24,800 in the black. The 2018 apportionment was 62(Lewiston)/38(Auburn). In order to try to balance this number, the Board voted to set the first quarter apportionment for 2019 to 62/37.

## Both Boards

### Employee Benefits Committee

This committee will continue to work on a number of issues in 2019. An update will be given at both Trustee meetings.

The regular monthly meeting of the Trustees of the Auburn Water District was held at the office of the Auburn Water District, 268 Court Street, on Wednesday, December 19, 2018 at 4:00pm.

Members present: Dan Bilodeau, Robert Cavanagh, Preston Chapman, Tizz Crowley( Treasurer), K. C. Geiger (President) , Mary Sylvester and Andrew Titus. Also present : Sid Hazelton, Superintendent and Mike Broadbent, Assistant Superintendent.

Absent: Greg Leighton, Finance Manager

**APPROVE MINUTES OF REGULAR MEETING OF OCTOBER 17, 2018 –**

On motion of Preston Chapman, seconded by Robert Cavanagh, it was voted: **To accept the minutes of the Regular Meeting of October 17, 2018 as presented.** Trustee Tizz Crowley abstained from the vote.

**APPROVE MINUTES OF JOINT WORKSHOP MEETING OF OCTOBER 22, 2018 –**

On motion of Mary Sylvester, seconded by Dan Bilodeau it was voted: **To accept the minutes of the Joint Workshop meeting of October 22, 2018 as presented.** Trustee Tizz Crowley abstained from the vote.

**APPROVE MINUTES OF THE REGULAR MEETING OF NOVEMBER 13, 2018 -**

On motion of Preston Chapman, seconded by Robert Cavanagh, it was unanimously voted: **To accept the minutes of the Regular Meeting of November 13, 2018 as presented.**

On motion of Tizz Crowley, seconded by Andrew Titus, it was unanimously voted: **To move the 2019 Draft Budget as first item of discussion.**

**NEW BUSINESS**

**FY 2019 BUDGET REVIEW**

The draft budget incorporates the new Step Plan , a 2.8% COLA and also reflects the salary changes for the Superintendent and Assistant Superintendent.

Mr. Titus is not in favor of having both the COLA and the new Step Plan. He also recommended no deficit spending requiring a rate increase.

Trustee Tizz Crowley has an issue with the extra check given to employees who opt out of the health plan (family w/children).

Trustee KC Geiger recommended an Executive Session to discuss issues that affect both boards.

Trustee Dan Bilodeau wants to support Tizz Crowley and the committee recognizing all the work that they have done pertaining to employee benefits and compensation.

Trustee Mary Sylvester did say that the process was not yet completed and feels that changing things now at year end would be troublesome as there are questions yet to be settled. It had been decided that the committee would address the issues early in 2019. It was agreed that some of the issues could be addressed mid-year. The committee's goals are to have a responsible budget, recruit, retain and reward employees.

Superintendent Hazelton told the Trustees about the possibility of a single digit rate increase in 2021.

Trustee Tizz Crowley reminded the board about an infrastructure surcharge in lieu of a rate increase which had been discussed at a past meeting. Mr. Titus suggested that Superintendent Hazelton do a presentation on the implementation of that surcharge for the Trustees to review.

Trustee K C Geiger said that the District is not spending enough on its infrastructure.

**WATER QUALITY UPDATE** – It has been a busy month. There has been a fair amount of public outcry concerning the stubborn algae bloom which was creating a cucumber taste to the water. The water met all water quality standards. The issue has subsided and so have the calls. Trustee Tizz Crowley thought that the public should have informed sooner. Mr. Titus requested a copy of Water Quality Standards.

The problem was caused by the input of phosphorous from the environment, land to lake, likely due to the November rain events. The lake is now frozen over which should alleviate the issue. The next step would be an alum treatment should it become necessary. Superintendent Hazelton said that a filter plant is not a guarantee that we will not have another algae issue. User rates would increase 50% to cover the cost of a filter plant and it would be very costly to maintain. Trustee Mary Sylvester suggested a work group to study filtration versus other alternatives to algae control.

**PROJECT UPDATES-** Pionite Road has been completed (8655'). Mike Broadbent will have a cost per foot at the next meeting. Pipe bursting is less costly than traditional repairs.

**FY 2019 MEETING SCHEDULE** - There is a month on the schedule where the Water District meeting is scheduled on the fourth Wednesday of the month.

**FINANCIAL REPORT UPDATE** – Sales are up \$72,000. We received a check for \$23,000 from the Town of Poland as reimbursement for legal fees. The cash on hand is currently at \$625,000. The 2018 Audit has been scheduled for mid-February. The District is looking at a projected positive variance of \$62,000 at year end.

On motion of Tizz Crowley, seconded by Mary Sylvester, it was voted: **To add 90% of the excess revenue at year end to next year's capital budget for pipe replacement.** K C Geiger, Preston Chapman and Robert Cavanagh were opposed.

#### **RATIFY PAYMENT OF BILLS**

On motion of Robert Cavanagh, seconded by Preston Chapman, it was unanimously voted: **To ratify the payment of bills in the amount of \$299,436.05 as shown on the printout dated November 1, 2018– November 30, 2018.**

**OPEN SESSION** – A Thank You card was addressed to the Trustees thanking them for giving the employees Xmas Eve day off allowing them to spend time with their families.

**ACTIVITY REPORT** – The District had a few main breaks: Minot Avenue @ Poland Rd., Holly St., Joseph Lane and French's Lane. We did have a problem with 20 hydrants out of service due to freezing. We had not completed our usual winterizing of the hydrants due to being tied up with projects. They are all back in service but three which are old type hydrants that will need to be replaced as we are unable to get repair parts.

As a result of a water main break on Blackmer St. it was discovered that Krispy Crème had planted trees on top of the water main. We had to cut a tree down to make the repair. Krispy Crème was asked to relocate their trees.

Mr. Titus requested a copy of Water Quality Standards.

#### **OLD BUSINESS** –

Measuring of the Lake expenses were provided. This expense appears in the Administration line item of the budget. Trustee Dan Bilodeau asked if it could be a separate line item. Trustee KC Geiger said it was too low a dollar amount to be a separate line item. The event cost \$106/per person. The more people that attend the lower the cost.

December 19,2018

Page 3

On motion of Tizz Crowley, seconded by Dan Bilodeau, it was voted: **To add \$1,000 as a separate line item for the Measuring of the Lake**

On motion of Preston Chapman, seconded by Robert Cavanagh, it was unanimously voted: **To adjourn the meeting.**

Respectfully submitted,

Diane Drinkwater

December 19, 2018

A Special Joint Meeting on the FY 2019 Water District Budget and FY 2019 Sewerage District Budget was held by the Trustees of the Auburn Water District and the Auburn Sewerage District at the office of the Auburn Water & Sewerage Districts on Wednesday, December 19, 2018 at 5:15pm.

Present:

Auburn Water District

Auburn Sewerage District

Preston Chapman

Heidi McCarthy

Mary Sylvester

Stephen Ness

K.C. Geiger

Robert Cavanagh

Robert Cavanagh

Charles Sheehan

Andrew Titus

Joseph DeFilipp

Dan Bilodeau

Andrew Titus

Sid Hazelton

Raymond Fortier

Mike Broadbent

Sid Hazelton

Tizz Crowley

Mike Broadbent

Absent:

Absent:

Greg Leighton, Finance Manager

Greg Leighton, Finance Manager

#### **REVIEW AWD PROPOSED BUDGET CHANGES**

On motion of Tizz Crowley, seconded by Andrew Titus, it was voted: **To add 90% of excess revenue which is currently approximately \$58,000 to next year's capital budget.**

**REVIEW ASD PROPOSED BUDGET CHANGES** – There were no changes on the proposed sewer budget.

#### **REVIEW OF SHARED BUDGET CAPITAL ITEMS-**

On motion of Tizz Crowley, seconded by Mary Sylvester, it was voted: **To accept the shared Budget Capital Items as presented.**

On motion of Tizz Crowley, seconded Preston Chapman, it was unanimously voted: **To move into Executive Session per 1 M.R.S.A § 405 (6) (D) to discuss personnel issues.**

On motion of Charles Sheehan, seconded by Robert Cavanagh, it was unanimously voted: **To move into Executive Session per 1 M.R.S.A § 405 (6) (D) to discuss personnel issues.**

On motion of Tizz Crowley, seconded by Preston Chapman, it unanimously voted: **To come out of Executive Session.**

On motion of Charles Sheehan, seconded by Robert Cavanagh, it was unanimously voted: **To come out of Executive Session.**

The Joint Meeting was adjourned.

Respectfully submitted,

Diane Drinkwater



December 19, 2018

A Public Hearing on the FY 2019 Water District Budget and FY 2019 Sewerage District Budget was held by the Trustees of the Auburn Water District and the Auburn Sewerage District at the office of the Auburn Water & Sewerage Districts on Wednesday, December 19, 2018 at 5:30PM.

Present:

Auburn Water District

Auburn Sewerage District

Preston Chapman  
K C Geiger  
Robert Cavanagh  
Dan Bilodeau  
Andrew Titus  
Mary Sylvester  
Sid Hazelton  
Mike Broadbent  
Tizz Crowley

Robert Cavanagh  
Heidi McCarthy  
Charles Sheehan  
Joseph DeFilipp  
Stephen Ness  
Andrew Titus  
Raymond Fortier  
Sid Hazelton  
Mike Broadbent

Absent:  
Greg Leighton, Finance Mgr.

Absent:  
Greg Leighton, Finance Mgr.

The meeting came to order at 5:45pm

#### **DISCUSSION OF PROPOSED WATER & SEWERAGE DISTRICT BUDGETS**

On motion of Tizz Crowley seconded by Mary Sylvester, it was voted **To adjust the salaries of the Superintendent and Assistant Superintendent .**

**VOTE:** In favor - 6  
Opposed - 1

On motion of Charles Sheehan, seconded by Robert Cavanagh, it was voted: **To adjust the salaries of the Superintendent and Assistant Superintendent.**

**VOTE:** In favor - 6  
Opposed -1

On motion of Tizz Crowley, seconded by Dan Bilodeau, it was voted: **To eliminate the opt out option of health insurance stipend to all but an individual employee.**

In favor – 3  
Opposed - 4

Trustee Mary Sylvester expressed a no vote until further study.

On motion of Andrew Titus, seconded by Charles Sheehan it was voted: **To eliminate the opt out option of health insurance stipend to all but an individual employee.**

In favor - 1  
Opposed – 6

On motion of Mary Sylvester, seconded by Dan Bilodeau, it was unanimously voted: **To establish a sub-committee to discuss the opt out option to all other than the individual employee.**

On motion of Steve Ness, seconded by Andrew Titus, it was voted : **To establish a sub-committee to discuss the opt out option to all other than the individual employee.**

In favor – 5

Abstentions - 2

On motion of Tizz Crowley, seconded by Dan Bilodeau, it was voted: **To provide all employees with a Total Compensation Statement.**

On motion of Andrew Titus, seconded by Steve Ness, it was : **To provide all employees with a Total Compensation Statement.**

On motion of Andrew Titus, seconded by Tizz Crowley, it was voted: **To not offer a COLA this year because of the implementation of the new Step Plan.**

Trustee Mary Sylvester does not support that motion.

**VOTE:** In favor – 3

Opposed - 4

## **PUBLIC HEARING FOR DISCUSSION OF BUDGETS**

### **ADOPTION OF FY 2019 WATER DISTRICT BUDGET**

On motion of Mary Sylvester, seconded by Preston Chapman, it was voted: **To adopt the Auburn Water District 2019 Budget in the amount of \$ 3,255,597 which reflects two amendments.**

**VOTE:** In favor – 5

Opposed – 2

### **ADOPTION OF FY 2019 SEWER DISTRICT BUDGET**

Mr. Titus made the motion: **To not offer a COLA this year because of the implementation of the new Step Plan.** There was no second to his motion.

On motion of Joseph DeFilipp, seconded by Stephen Ness, it was voted: **To adopt the Auburn Sewer District 2019 Budget in the amount of \$ 3,773,268 which reflects one amendment.**

**VOTE:** In favor – 6

Opposed – 1

December 19, 2018

Page 3

**ADJOURN THE MEETING –**

On motion of Preston Chapman, seconded by Robert Cavanagh, it was unanimously voted: **To adjourn the Water District meeting.**

On motion of Joseph DeFilipp, seconded by Charles Sheehan, it was unanimously voted: **To adjourn the Sewer District meeting.**

Respectfully submitted,

Diane Drinkwater

**AUBURN WATER DISTRICT  
OPERATING STATEMENT - TRUSTEES' REPORT  
TWELVE MONTHS ENDED DECEMBER 31, 2018**

	December	2018	Y-T-D DECEMBER 2018		
	YTD - 2017	BUDGET	ACTUAL	BUDGET	VARIANCE
<b><u>REVENUES:</u></b>					
Water Sales	\$2,496,573	\$2,538,868	\$2,596,126	\$2,538,868	\$57,258
Rent income	64,962	62,220	61,902	62,220	(318)
Interest Income	8,120	8,119	9,532	8,119	1,413
Mdse. & Jobbing - NET	41,294	33,166	36,396	33,166	3,230
Hydrant Rental	647,620	659,660	659,662	659,660	2
Private Fire Prot.	355,331	372,000	374,444	372,000	2,444
Misc. Op. Revenue	98,714	103,453	100,705	103,453	(2,748)
<b>TOTAL REVENUES</b>	<b>3,712,614</b>	<b>3,777,486</b>	<b>3,838,766</b>	<b>3,777,486</b>	<b>61,280</b>
			<b>101.62%</b>	<b>100.00%</b>	< Standard
<b><u>EXPENSES:</u></b>					
Payroll	720,635	769,260	751,537	769,260	(17,723)
Treatment:					
UV Treatment Plant	272,331	271,899	260,798	271,899	(11,101)
Chloramine Facility	5,452	4,646	7,458	4,646	2,812
Laboratory	39,776	50,000	48,218	50,000	(1,782)
Trans & Dist Maint:					
Maint of Mains	55,353	51,300	65,751	51,300	14,451
Dist System	116,856	100,956	99,714	100,956	(1,242)
Other	19,913	29,339	25,204	29,339	(4,135)
Administration:					
Employee Benefits	382,990	442,567	419,731	442,567	(22,836)
Legal & Accounting	39,965	39,850	5,607	39,850	(34,243)
Customer Billing	22,012	24,900	20,040	24,900	(4,860)
Insurances	58,903	63,150	59,913	63,150	(3,237)
Other	53,162	52,891	59,830	52,891	6,939
Vehicles	108,363	80,832	113,186	80,832	32,354
Gull Management	70,693	86,520	86,520	86,520	0
Lake Auburn Watershed	113,501	100,000	90,358	100,000	(9,642)
<b>SUB-TOTAL</b>	<b>2,079,905</b>	<b>2,168,110</b>	<b>2,113,865</b>	<b>2,168,110</b>	<b>(54,245)</b>
			<b>97.50%</b>	<b>100.00%</b>	< Standard
Interest	165,410	152,292	152,191	152,292	(101)
<b>TOTAL EXPENSES</b>	<b>2,245,315</b>	<b>2,320,402</b>	<b>2,266,056</b>	<b>2,320,402</b>	<b>(54,346)</b>
Bonds - Principal Payments	786,805	802,214	802,215	802,214	1
<b>SURPLUS FROM OPERATIONS</b>	<b>680,494</b>	<b>654,870</b>	<b>770,495</b>	<b>654,870</b>	<b>115,625</b>



**AUBURN WATER - FINANCIAL INFORMATION**

Water Revenue - Metered Sales - Versus Prior Year						
Month	2018	2017	MTD Change	%	YTD Change	%
January	\$221,998.69	\$186,975.60	\$35,023.09	18.73%	\$35,023.09	18.73%
February	\$198,084.16	\$164,224.63	\$33,859.53	20.62%	\$68,882.62	19.61%
March	\$203,799.67	\$164,539.75	\$39,259.92	23.86%	\$108,142.54	20.97%
April	\$218,788.82	\$223,572.65	(\$4,783.83)	-2.14%	\$103,358.71	13.98%
May	\$185,524.67	\$186,942.52	(\$1,417.85)	-0.76%	\$101,940.86	11.01%
June	\$194,124.87	\$209,602.96	(\$15,478.09)	-7.38%	\$86,462.77	7.61%
July	\$255,553.79	\$237,234.63	\$18,319.26	7.72%	\$104,782.03	7.63%
August	\$224,175.46	\$213,096.93	\$11,078.53	5.20%	\$115,860.56	7.30%
September	\$232,792.03	\$241,710.48	(\$8,918.45)	-3.69%	\$106,942.11	5.85%
October	\$259,479.55	\$249,731.96	\$9,747.59	3.90%	\$116,689.70	5.62%
November	\$204,630.94	\$215,707.33	(\$11,076.39)	-5.13%	\$105,613.31	4.61%
December	\$197,173.35	\$203,247.21	(\$6,073.86)	-2.99%	\$99,539.45	3.99%
Rate Increase 3-1-17, 16%	\$2,596,126.00	\$2,496,586.55				

Water Revenue - Metered Sales - Versus Budget						
Month	2018	Budget	MTD Change	%	YTD Change	%
January	\$221,998.69	\$211,572.33	\$10,426.36	4.93%	\$10,426.36	4.93%
February	\$198,084.16	\$211,572.33	(\$13,488.17)	-6.38%	(\$3,061.81)	-0.72%
March	\$203,799.67	\$211,572.33	(\$7,772.66)	-3.67%	(\$10,834.47)	-1.71%
April	\$218,788.82	\$211,572.33	\$7,216.49	3.41%	(\$3,617.98)	-0.43%
May	\$185,524.67	\$211,572.33	(\$26,047.66)	-12.31%	(\$29,665.64)	-2.80%
June	\$194,124.87	\$211,572.33	(\$17,447.46)	-8.25%	(\$47,113.10)	-3.71%
July	\$255,553.79	\$211,572.33	\$43,981.46	20.79%	(\$3,131.64)	-0.21%
August	\$224,175.46	\$211,572.33	\$12,603.13	5.96%	\$9,471.49	1.61%
September	\$232,792.03	\$211,572.33	\$21,219.70	10.03%	\$30,691.19	1.61%
October	\$259,479.55	\$211,572.33	\$47,907.22	22.64%	\$78,598.41	3.71%
November	\$204,630.94	\$211,572.33	(\$6,941.39)	-3.28%	\$71,657.02	3.08%
December	\$197,173.35	\$211,572.33	(\$14,398.98)	-6.81%	\$57,258.04	2.26%
	\$2,596,126.00	\$2,538,867.96				

Water Gallons Sold - Metered						
Month	2018	2017	MTD Change	%	YTD Change	%
January	50,546,848	52,763,323	(2,216,475)	-4.24%	(2,236,475)	-4.24%
February	48,641,692	49,446,540	(804,848)	-1.63%	(3,041,323)	-2.97%
March	51,908,208	48,859,360	3,048,848	6.24%	7,525	0.00%
April	49,219,911	57,637,140	(8,417,229)	-14.60%	(8,409,704)	-4.03%
May	44,702,731	48,016,364	(3,313,633)	-6.90%	(11,723,337)	-4.57%
June	48,382,891	54,075,164	(5,692,273)	-10.53%	(17,415,609)	-5.60%
July	64,318,291	55,198,406	9,119,885	16.52%	(8,295,724)	-2.27%
August	59,010,483	54,788,008	4,222,475	7.71%	(4,073,249)	-0.97%
September	61,721,990	64,955,871	(3,233,881)	-4.98%	(7,307,130)	-1.50%
October	63,176,095	60,435,423	2,740,672	4.53%	(4,566,458)	-0.84%
November	51,303,831	54,900,208	(3,596,377)	-6.55%	(8,162,834)	-1.36%
December	51,658,885	51,582,080	76,805	0.15%	(8,086,030)	-1.24%
	644,591,857	652,677,887				

Water Gross Payroll versus Budget						
Month	2018	Budget	MTD Change	%	YTD Change	%
January	\$101,901.99	\$83,569.25	\$18,332.74	21.94%	\$18,332.74	21.94%
February	\$72,718.81	\$83,569.25	(\$10,850.44)	-12.98%	\$7,482.30	4.48%
March	\$72,834.70	\$83,569.25	(\$10,734.55)	-12.85%	(\$3,252.25)	-1.30%
April	\$77,807.54	\$83,569.25	(\$5,761.71)	-6.89%	(\$9,013.96)	-2.70%
May	\$102,785.91	\$83,569.25	\$19,216.66	22.99%	\$10,202.70	2.44%
June	\$84,714.86	\$83,569.25	\$1,145.61	1.37%	\$11,348.31	2.26%
July	\$97,147.84	\$83,569.25	\$13,578.59	16.25%	\$24,926.90	4.26%
August	\$81,407.27	\$83,569.25	(\$2,161.98)	-2.59%	\$22,764.92	3.41%
September	\$68,707.86	\$83,569.25	(\$14,861.39)	-17.78%	\$7,903.53	1.05%
October	\$88,595.61	\$83,569.25	\$5,026.36	6.01%	\$12,929.89	1.55%
November	\$81,085.57	\$83,569.25	(\$2,483.68)	-2.97%	\$10,446.21	1.14%
December	\$68,037.39	\$83,569.25	(\$15,471.86)	-18.51%	(\$5,025.65)	-0.50%
	\$987,805.35	\$1,002,831.00				

Water Total Capital Expenditures versus Budget				
Capital Projects - 2018	Budget	YTD Actual	Variance	% Spent
Valve Operator & Vacuum Unit	\$22,500	\$0	(\$22,500)	0%
Pavement Impactor	\$12,500	\$14,950	\$2,450	120%
2017 Volvo Excavator	\$15,980	\$0	(\$15,980)	0%
Co2 system at UV Plant	\$2,000	\$0	(\$2,000)	0%
UPS Battery Replacement for UV Reactors	\$11,000	\$13,104	\$2,104	119%
Fluoride Analyzer	\$6,000	\$0	(\$6,000)	0%
New Workstation	\$0	\$7,015	\$7,015	#DIV/0!
<b>Equipment</b>	<b>\$69,980</b>	<b>\$35,069</b>	<b>(\$34,912)</b>	<b>50%</b>
Minot Ave - Replace 4400' of 12" pipe	\$650,000	\$615,982	(\$34,018)	95%
Lake Auburn Ave - Replace 1600' of 12" pipe	\$0	\$0	\$0	#DIV/0!
Seventh Street - Replace 1300' of 8" pipe	\$130,000	\$142,016	\$12,016	109%
Spring Street - Replace 550' of 12" pipe	\$55,000	\$0	(\$55,000)	0%
Pionite Road - Burst 3200' of 8" pipe	\$160,000	\$207,484	\$47,484	130%
Meier Upgrades	\$18,500	\$18,500	\$0	100%
Water Station Upgrades - 2018 Spend	\$11,100	\$8,883	(\$2,217)	80%
Nash Property	\$18,082	\$18,082	\$0	100%
Reserve for Unexpected Work	\$76,378	\$0	(\$76,378)	0%
<b>Projects</b>	<b>\$1,119,060</b>	<b>\$1,010,947</b>	<b>(\$108,113)</b>	<b>90%</b>
	<b>\$1,189,040</b>	<b>\$1,046,015</b>	<b>(\$143,025)</b>	<b>88%</b>

AUBURN WATER DISTRICT CUSTOMER ACCOUNTS RECEIVABLE						
Aging	Current	30 day	60 day	90 day	120 day	Other
December	131,059.49	32,970.20	7,597.07	2,865.72	10,981.70	1,992.75
	69.5%	17.5%	4.0%	1.5%	5.8%	1.1%
November	164,461.97	35,319.55	6,840.23	2,343.80	13,023.84	1,948.14
October	184,000.15	28,977.67	5,793.67	4,296.77	13,281.81	2,248.10
September	172,001.38	30,291.03	16,132.51	3,408.73	15,510.14	2,363.57
Totals	188,681.45	10,981.70	1,992.75	1,214.52	188,681.45	100.0%

<b>Auburn Water District</b> <b>Accounts Payable Check Register</b> <b>December 1, 2018 thru December 31, 2018</b>
--

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
13508	12/7/2018	12	American Messaging	12/1/2018		130.24
					pagars 12/1 to 2/28 Misc Expense-Mains	
13508	12/7/2018	12	American Messaging	12/1/2018		130.25
					A/R - Auburn Sewer	
						<b><u>260.49</u></b>
13509	12/7/2018	11	Auburn Aggregates	11/21/2018		295.65
					crushed gravel Pionite Rd - Pipe Bursting	
13509	12/7/2018	11	Auburn Aggregates	11/28/2018		813.36
					crushed gravel&stone Pionite Rd - Pipe Bursting	
						<b><u>1,109.01</u></b>
13510	12/7/2018	11	Petty Cash	12/6/2018		86.30
					miles,office supplies Misc Expense-A&G Office	
13510	12/7/2018	11	Petty Cash	12/6/2018		86.32
					A/R - Auburn Sewer	
13510	12/7/2018	11	Petty Cash	12/6/2018		42.00
					permit-Merrow Rd A/R - Auburn Sewer	
13510	12/7/2018	11	Petty Cash	12/6/2018		24.53
					miles-Watershed Watershed Expenses	
13510	12/7/2018	11	Petty Cash	12/6/2018		212.45
					part & meals-breaks Supplies - Mains	
						<b><u>451.60</u></b>
13511	12/7/2018	11	Dead River Company	11/26/2018		488.08
					tank#5 propane Propane Exp - UV	
13511	12/7/2018	11	Dead River Company	11/26/2018		488.08
					A/R - Lewiston	
						<b><u>976.16</u></b>
13512	12/7/2018	12	Dig Safe System, Inc.	12/4/2018		345.33
					Dec bill Misc Expense-Mains	
13512	12/7/2018	12	Dig Safe System, Inc.	12/4/2018		345.34
					A/R - Auburn Sewer	
						<b><u>690.67</u></b>
13513	12/7/2018	11	Dube Gravel Company, Inc.	11/25/2018		1,582.00
					crushed stone,gravel Pionite Rd - Pipe Bursting	

<b>Auburn Water District</b> <b>Accounts Payable Check Register</b> <b>December 1, 2018 thru December 31, 2018</b>
--

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
						<b><u>1,582.00</u></b>
13514	12/7/2018	11	Fastenal Company	11/26/2018		45.83
					safety glasses,gloves Supplies - Safety Items	
13514	12/7/2018	11	Fastenal Company	11/26/2018		45.84
					A/R - Auburn Sewer	
13514	12/7/2018	11	Fastenal Company	11/28/2018		23.58
					batteries-D &AA Supplies - T&D - Ops	
13514	12/7/2018	11	Fastenal Company	11/28/2018		23.58
					A/R - Auburn Sewer	
						<b><u>138.83</u></b>
13515	12/7/2018	11	Granite State Analytical Srves	12/2/2018		704.00
					water test Outside Services - Lab Tests	
						<b><u>704.00</u></b>
13516	12/7/2018	12	Great American Financial Srvs	11/27/2018		107.61
					Dec copier lease Equipment Rentals	
13516	12/7/2018	12	Great American Financial Srvs	11/27/2018		107.61
					A/R - Auburn Sewer	
						<b><u>215.22</u></b>
13517	12/7/2018	12	Sidney H. Hazelton	12/1/2018		175.00
					Dec mileage Misc Expense-T&D Ops	
13517	12/7/2018	12	Sidney H. Hazelton	12/1/2018		175.00
					A/R - Auburn Sewer	
						<b><u>350.00</u></b>
13518	12/7/2018	11	Home Depot Credit Services	11/25/2018		32.04
					potta potty repair,battery UV Treatment Plant - O&M	
13518	12/7/2018	11	Home Depot Credit Services	11/25/2018		32.04
					A/R - Lewiston	
13518	12/7/2018	11	Home Depot Credit Services	11/25/2018		16.05
					mouse traps,sealant UV Treatment Plant - O&M	
13518	12/7/2018	11	Home Depot Credit Services	11/25/2018		16.05
					A/R - Lewiston	
13518	12/7/2018	11	Home Depot Credit Services	11/25/2018		34.91
					meter parts Supplies - Meters	



<b>Auburn Water District</b> <b>Accounts Payable Check Register</b> <b>December 1, 2018 thru December 31, 2018</b>
--

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
13518	12/7/2018	11	Home Depot Credit Services	11/25/2018		10.97
					ice melt Supplies - T&D - Ops	
13518	12/7/2018	11	Home Depot Credit Services	11/25/2018		10.97
					A/R - Auburn Sewer	
						<b><u>153.03</u></b>
13519	12/7/2018	11	Kennebec Equip. Rental	11/27/2018		360.00
					pump,hose-water break Supplies - Mains	
						<b><u>360.00</u></b>
13520	12/7/2018	12	Erica Kidd	12/3/2018		285.10
					clothing allow Employee Benefits	
						<b><u>285.10</u></b>
13521	12/7/2018	12	Lake Auburn Watershed Comm	12/1/2018		8,333.26
					Dec bill Watershed Expenses	
						<b><u>8,333.26</u></b>
13522	12/7/2018	11	Treasurer, State of Maine	11/20/2018		1,204.00
					water test Outside Services - Lab Tests	
13522	12/7/2018	11	Treasurer, State of Maine	11/20/2018		1,204.00
					A/R - Lewiston	
						<b><u>2,408.00</u></b>
13523	12/7/2018	11	Maine Rural Water Assoc.	11/28/2018		78.50
					Erica conference Misc Expense-Treatment	
13523	12/7/2018	11	Maine Rural Water Assoc.	11/28/2018		78.50
					A/R - Lewiston	
						<b><u>157.00</u></b>
13524	12/7/2018	11	Maine Water Utilities Assoc.	11/29/2018		22.50
					Chris-bi-monthly meeting UV Treatment Plant - O&M	
13524	12/7/2018	11	Maine Water Utilities Assoc.	11/29/2018		22.50
					A/R - Lewiston	
						<b><u>45.00</u></b>
13525	12/7/2018	11	W. B. Mason Co., Inc.	11/19/2018		98.79
					folders,boxes,calendars Supplies - A&G - Office	
13525	12/7/2018	11	W. B. Mason Co., Inc.	11/19/2018		98.79
					A/R - Auburn Sewer	

<b>Auburn Water District</b> <b>Accounts Payable Check Register</b> <b>December 1, 2018 thru December 31, 2018</b>
--

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
13525	12/7/2018	11	W. B. Mason Co., Inc.	11/19/2018		55.37
					trash bags, towels,tissues Supplies - T&D - Ops	
13525	12/7/2018	11	W. B. Mason Co., Inc.	11/19/2018		55.37
					A/R - Auburn Sewer	
						<b><u>308.32</u></b>
13526	12/7/2018	11	Ness Oil Co.	11/30/2018		45.30
					Nov gas & diesel 409JCB Loader	
13526	12/7/2018	11	Ness Oil Co.	11/30/2018		60.80
					TRUCK #25 (2005 CHEVY C150	
13526	12/7/2018	11	Ness Oil Co.	11/30/2018		511.98
					TRUCK #42 (2006 Volvo)	
13526	12/7/2018	11	Ness Oil Co.	11/30/2018		126.43
					TRUCK #26 (2006 CHEVY SRV	
13526	12/7/2018	11	Ness Oil Co.	11/30/2018		134.71
					A/R - Auburn Sewer	
13526	12/7/2018	11	Ness Oil Co.	11/30/2018		399.68
					TRUCK #41 (2016 CHVY SILVR	
13526	12/7/2018	11	Ness Oil Co.	11/30/2018		1,626.15
					TRUCK #32 (2011 FORD F350)	
13526	12/7/2018	11	Ness Oil Co.	11/30/2018		65.43
					A/R - Auburn Sewer	
13526	12/7/2018	11	Ness Oil Co.	11/30/2018		104.12
					TRUCK #31 (2010 Ford Transit)	
13526	12/7/2018	11	Ness Oil Co.	11/30/2018		352.91
					TRUCK #38 (2015 FORD F250)	
13526	12/7/2018	11	Ness Oil Co.	11/30/2018		335.76
					TRUCK #39 (2015 FORD F250)	
13526	12/7/2018	11	Ness Oil Co.	11/30/2018		230.74
					A/R - Auburn Sewer	
13526	12/7/2018	11	Ness Oil Co.	11/30/2018		107.87
					TRUCK #34 (2004 DUMP TRUC	

<b>Auburn Water District</b> <b>Accounts Payable Check Register</b> <b>December 1, 2018 thru December 31, 2018</b>
--

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
13526	12/7/2018	11	Ness Oil Co.	11/30/2018		87.39
					TRUCK #36 (2013 Ford F150)	
13526	12/7/2018	11	Ness Oil Co.	11/30/2018		178.09
					TRUCK #29 (2008 CHVY COLO	
						<b><u>4,367.36</u></b>
13528	12/7/2018	11	New England Truck Tire	11/21/2018		975.44
					4 tires	
					TRUCK #38 (2015 FORD F250)	
						<b><u>975.44</u></b>
13529	12/7/2018	11	E.J. Prescott, Inc.	10/26/2018		21.57
					freight-lid assembly	
					Inventory	
13529	12/7/2018	11	E.J. Prescott, Inc.	10/22/2018		15,361.05
					valves,tees,cplgs	
					Pionite Rd - Pipe Bursting	
13529	12/7/2018	11	E.J. Prescott, Inc.	10/22/2018		1,205.76
					Inventory	
13529	12/7/2018	11	E.J. Prescott, Inc.	10/30/2018		80.74
					accessory packs	
					Pionite Rd - Pipe Bursting	
13529	12/7/2018	11	E.J. Prescott, Inc.	11/1/2018		956.86
					roma grips,sleeves	
					Pionite Rd - Pipe Bursting	
13529	12/7/2018	11	E.J. Prescott, Inc.	11/1/2018		454.86
					Inventory	
						<b><u>18,080.84</u></b>
13530	12/7/2018	11	Selco Plumbing and	11/23/2018		29.60
					hose,clamp,adapter-water break	
					Supplies - Mains	
						<b><u>29.60</u></b>
13531	12/7/2018	11	Spencer Group	10/31/2018		6,062.40
					patch-Center St leak	
					Supplies - Mains	
13531	12/7/2018	11	Spencer Group	11/30/2018		7,383.00
					patch	
					Pionite Rd - Pipe Bursting	
13531	12/7/2018	11	Spencer Group	12/3/2018		3,096.60
					patch for 4 water breaks	
					Supplies - Mains	
						<b><u>16,542.00</u></b>
13532	12/7/2018	11	C.H. Stevenson, Inc.	11/28/2018		1,512.63
					cold patch	
					Supplies - Mains	

<b>Auburn Water District</b> <b>Accounts Payable Check Register</b> <b>December 1, 2018 thru December 31, 2018</b>
--

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
13532	12/7/2018	11	C.H. Stevenson, Inc.	11/28/2018		1,512.63
					A/R - Auburn Sewer	
						<b><u>3,025.26</u></b>
13533	12/7/2018	11	Ted Berry Co., Inc.	11/26/2018		144,000.00
					pipng Pionite Rd - Pipe Bursting	
						<b><u>144,000.00</u></b>
13534	12/7/2018	11	Traction - Genuine Parts Co.	11/15/2018		5.04
					antifreeze TRUCK #41 (2016 CHVY SILVR	
						<b><u>5.04</u></b>
13535	12/7/2018	11	Tri-State Steel Inc.	11/28/2018		560.64
					ballards-hydrants Pionite Rd - Pipe Bursting	
						<b><u>560.64</u></b>
13536	12/7/2018	11	United Way Of Andr.County	12/5/2018		72.00
					Nov employee contributions United Way	
13536	12/7/2018	11	United Way Of Andr.County	12/5/2018		24.00
					A/R - Auburn Sewer	
						<b><u>96.00</u></b>
13537	12/7/2018	11	Whited Truck Center	11/26/2018		53.00
					rear light TRUCK #42 (2006 Volvo)	
						<b><u>53.00</u></b>
13538	12/14/2018	11	Auburn Aggregates	11/29/2018		266.70
					crushed gravel,stone dust Pionite Rd - Pipe Bursting	
13538	12/14/2018	11	Auburn Aggregates	11/30/2018		25.85
					stone dust Pionite Rd - Pipe Bursting	
						<b><u>292.55</u></b>
13539	12/14/2018	11	City of Auburn	11/27/2018		510.00
					street opening permits Supplies - Mains	
13539	12/14/2018	11	City of Auburn	11/27/2018		40.00
					Supplies - Services	
						<b><u>550.00</u></b>
13540	12/14/2018	12	Bel-Tone Answering Service	12/5/2018		71.00
					Dec bill Misc Expense-A&G Office	
13540	12/14/2018	12	Bel-Tone Answering Service	12/5/2018		71.00
					A/R - Auburn Sewer	

<b>Auburn Water District</b> <b>Accounts Payable Check Register</b> <b>December 1, 2018 thru December 31, 2018</b>
--

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
13540	12/14/2018	12	Bel-Tone Answering Service	12/5/2018		4.97
					Dec panic button Misc Expense-A&G Office	
13540	12/14/2018	12	Bel-Tone Answering Service	12/5/2018		4.98
					A/R - Auburn Sewer	
						<b><u>151.95</u></b>
13541	12/14/2018	12	Black Bear Ladder	12/4/2018		703.50
					ladders& lanyards Supplies - Safety Items	
						<b><u>703.50</u></b>
13542	12/14/2018	12	Cameron Tire & Service Inc.	12/7/2018		20.00
					change tires, balance TRUCK #26 (2006 CHEVY SRV)	
						<b><u>20.00</u></b>
13543	12/14/2018	11	Calgon Carbon Corp	11/28/2018		5,075.39
					sensor, insertions UV Treatment Plant - O&M	
13543	12/14/2018	11	Calgon Carbon Corp	11/28/2018		5,075.39
					A/R - Lewiston	
						<b><u>10,150.78</u></b>
13544	12/14/2018	11	Coastal Auto Parts	11/30/2018		86.18
					798497/99-latex gloves Supplies - Safety Items	
13544	12/14/2018	11	Coastal Auto Parts	11/30/2018		86.19
					798497/99-latex gloves A/R - Auburn Sewer	
13544	12/14/2018	11	Coastal Auto Parts	11/30/2018		109.58
					800134-blue def,grease Equipment Maintenance	
13544	12/14/2018	11	Coastal Auto Parts	11/30/2018		109.58
					800134-blue def,grease A/R - Auburn Sewer	
13544	12/14/2018	11	Coastal Auto Parts	11/30/2018		178.94
					803454-filters TRUCK #30 (2008 JD BACKHO	
13544	12/14/2018	11	Coastal Auto Parts	11/30/2018		14.25
					804658-tubing 409JCB Loader	
						<b><u>584.72</u></b>
13545	12/14/2018	11	Constellation NewEnergy, Inc.	11/27/2018		14,507.84
					Nov-UV Accrued Power	
						<b><u>14,507.84</u></b>

<b>Auburn Water District</b> <b>Accounts Payable Check Register</b> <b>December 1, 2018 thru December 31, 2018</b>
--

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
13546	12/14/2018	12	Curry Printing #4317	12/6/2018		170.59
					receipt books Supplies - A&G - Office	
13546	12/14/2018	12	Curry Printing #4317	12/6/2018		170.60
					A/R - Auburn Sewer	
						<b><u>341.19</u></b>
13547	12/14/2018	11	Dead River Company	11/30/2018		116.36
					tank #5 Propane Exp - UV	
13547	12/14/2018	11	Dead River Company	11/30/2018		116.36
					A/R - Lewiston	
						<b><u>232.72</u></b>
13548	12/14/2018	12	Easy Rent-All Corp.	11/30/2018		4,215.00
					excavator rental Pionite Rd - Pipe Bursting	
						<b><u>4,215.00</u></b>
13549	12/14/2018	11	Hach Company	11/30/2018		391.00
					photo cell assembly UV Treatment Plant - O&M	
13549	12/14/2018	11	Hach Company	11/30/2018		391.00
					A/R - Lewiston	
						<b><u>782.00</u></b>
13550	12/14/2018	11	Vantagepoint Transfer Agent-30	11/30/2018		3,202.62
					Policy#304412 Accrued - Deferred Comp	
						<b><u>3,202.62</u></b>
13551	12/14/2018	11	Vantagepoint Transfer Agent-10	11/30/2018		3,928.07
					Policy#109636 Employee Benefits	
						<b><u>3,928.07</u></b>
13552	12/14/2018	11	Vantagepoint Transfer Agent-70	11/30/2018		529.76
					Policy#705328 Accrued - IRA/ICMA	
						<b><u>529.76</u></b>
13553	12/14/2018	12	Sun-Journal	12/4/2018		177.84
					yearly subscription Misc Expense-A&G Office	
13553	12/14/2018	12	Sun-Journal	12/4/2018		177.84
					A/R - Auburn Sewer	
						<b><u>355.68</u></b>
13554	12/14/2018	11	Maine Rural Water Assoc.	8/1/2018		405.00
					Fod,Steve,Holmes-class Misc Expense-T&D Ops	

<b>Auburn Water District</b> <b>Accounts Payable Check Register</b> <b>December 1, 2018 thru December 31, 2018</b>
--

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
						<u>405.00</u>
13555	12/14/2018	11	Northern Data Systems, Inc.	11/29/2018		858.71
					Nov billing Outside Services - Customers	
13555	12/14/2018	11	Northern Data Systems, Inc.	11/29/2018		858.72
					A/R - Auburn Sewer	
						<u>1,717.43</u>
13556	12/14/2018	11	Northland Industrial Truck	11/30/2018		505.29
					column switch 409JCB Loader	
						<u>505.29</u>
13557	12/14/2018	12	Petro's	12/1/2018		81.78
					Dec-Court St Outside Services - T&D - Ops	
13557	12/14/2018	12	Petro's	12/1/2018		81.78
					A/R - Auburn Sewer	
13557	12/14/2018	12	Petro's	12/1/2018		44.85
					Dec-bulky waste UV Treatment Plant - O&M	
13557	12/14/2018	12	Petro's	12/1/2018		44.86
					A/R - Lewiston	
13557	12/14/2018	12	Petro's	12/7/2018		17.58
					tape measures TRUCK #41 (2016 CHVY SILVR	
13557	12/13/2018	12	Petro's	12/7/2018		-17.58
					VOID CK#13557 TRUCK #41 (2016 CHVY SILVR	
13557	12/13/2018	12	Petro's	12/1/2018		-81.78
					Void ck313557 Outside Services - T&D - Ops	
13557	12/13/2018	12	Petro's	12/1/2018		-81.78
					A/R - Auburn Sewer	
13557	12/13/2018	12	Petro's	12/1/2018		-44.85
					VOID CK313557 UV Treatment Plant - O&M	
13557	12/13/2018	12	Petro's	12/1/2018		-44.86
					A/R - Lewiston	
						<u>0.00</u>
13558	12/14/2018	11	Praxair, Inc	11/26/2018		6,395.41
					carbon dioxide Chemical Expense	
						<u>6,395.41</u>

<b>Auburn Water District</b> <b>Accounts Payable Check Register</b> <b>December 1, 2018 thru December 31, 2018</b>
--

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
13559	12/14/2018	11	E.J. Prescott, Inc.	11/21/2018		1,395.42
					clamps,cplgs Inventory	
13559	12/14/2018	11	E.J. Prescott, Inc.	11/21/2018		581.25
					duct cplgs Inventory	
13559	12/14/2018	11	E.J. Prescott, Inc.	11/21/2018		400.00
					blue tubing Inventory	
13559	12/14/2018	11	E.J. Prescott, Inc.	11/21/2018		302.02
					grip rings,cplgs Expenses - Jobbing	
						<b><u>2,678.69</u></b>
13560	12/14/2018	11	Rent-It Of Maine, Inc.	11/26/2018		1,733.00
					telehandler Pionite Rd - Pipe Bursting	
						<b><u>1,733.00</u></b>
13561	12/14/2018	12	Skelton, Taintor & Abbott	12/5/2018		119.50
					Nov legal srvc Legal Expenses	
						<b><u>119.50</u></b>
13562	12/14/2018	12	Spencer Group	12/7/2018		1,656.00
					Minot Ave leak Supplies - Mains	
						<b><u>1,656.00</u></b>
13563	12/14/2018	12	Tax-Exempt Leasing Corp	11/21/2018		31,368.78
					yrly 1 time payment Volvo EC160 Loader	
						<b><u>31,368.78</u></b>
13564	12/14/2018	11	Tractor Supply Credit Plan	11/29/2018		92.00
					welding helmet, rod Supplies - T&D - Ops	
13564	12/14/2018	11	Tractor Supply Credit Plan	11/29/2018		92.01
					A/R - Auburn Sewer	
						<b><u>184.01</u></b>
13565	12/14/2018	12	Tri-State Steel Inc.	12/5/2018		44.00
					steel pieces Supplies - T&D - Ops	
13565	12/14/2018	12	Tri-State Steel Inc.	12/5/2018		44.00
					A/R - Auburn Sewer	
						<b><u>88.00</u></b>
13566	12/14/2018	12	U.S. Postal Service	12/7/2018		83.00
					yearly box rent Misc Expense-A&G Office	



<b>Auburn Water District</b> <b>Accounts Payable Check Register</b> <b>December 1, 2018 thru December 31, 2018</b>
--

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
13566	12/14/2018	12	U.S. Postal Service	12/7/2018		83.00
					A/R - Auburn Sewer	
						<u>166.00</u>
13567	12/14/2018	11	UNITIL ME	11/30/2018		846.21
					Supplies - T&D - Ops	
13567	12/14/2018	11	UNITIL ME	11/30/2018		846.21
					A/R - Auburn Sewer	
						<u>1,692.42</u>
13568	12/14/2018	11	Univar, USA Inc	11/27/2018		3,878.75
					Caustic soda Chemical Expense	
						<u>3,878.75</u>
13569	12/14/2018	12	Univ of Me at Augusta	11/26/2018		417.37
					Tanya class Misc Expense-A&G Office	
13569	12/14/2018	12	Univ of Me at Augusta	11/26/2018		417.38
					A/R - Auburn Sewer	
						<u>834.75</u>
13570	12/14/2018	12	Petro's	12/7/2018		17.58
					tape measures TRUCK #41 (2016 CHVY SILVR	
						<u>17.58</u>
13571	12/14/2018	12	Pine Tree Waste	12/1/2018		81.78
					Dec Court St bulky waste Outside Services - T&D - Ops	
13571	12/14/2018	12	Pine Tree Waste	12/1/2018		81.78
					A/R - Auburn Sewer	
13571	12/14/2018	12	Pine Tree Waste	12/1/2018		44.85
					Dec-UV bulky waste UV Treatment Plant - O&M	
13571	12/14/2018	12	Pine Tree Waste	12/1/2018		44.86
					A/R - Lewiston	
						<u>253.27</u>
13572	12/20/2018	12	Steve J. Bell	12/1/2018		30.00
					Dec cell Telephone - Treatment	
						<u>30.00</u>
13573	12/20/2018	12	Rodney H. Bates	12/1/2018		30.00
					Dec cell Telephone - Treatment	
						<u>30.00</u>

<b>Auburn Water District</b> <b>Accounts Payable Check Register</b> <b>December 1, 2018 thru December 31, 2018</b>
--

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
13574	12/20/2018	12	Randy Bragg	12/1/2018	Dec cell Telephone - Treatment	30.00
						<b><u>30.00</u></b>
13575	12/20/2018	12	Constellation NewEnergy, Inc.	12/4/2018	Court St Accrued Power	819.51
						<b><u>819.51</u></b>
13576	12/20/2018	12	Dead River Company	12/7/2018	tank #4 & #5 Propane Exp - UV	392.26
						<b><u>392.26</u></b>
13576	12/20/2018	12	Dead River Company	12/7/2018	A/R - Lewiston	392.27
						<b><u>784.53</u></b>
13577	12/20/2018	12	Fastenal Company	12/6/2018	washers, rivets UV Treatment Plant - O&M	4.48
						<b><u>4.48</u></b>
13577	12/20/2018	12	Fastenal Company	12/6/2018	A/R - Lewiston	4.49
						<b><u>8.97</u></b>
13578	12/20/2018	12	Ferguson Enterprises, Inc	12/3/2018	meter adapters Inventory	190.40
						<b><u>190.40</u></b>
13578	12/20/2018	12	Ferguson Enterprises, Inc	12/3/2018	shipping Supplies - T&D - Ops	14.24
						<b><u>14.24</u></b>
13579	12/20/2018	12	FirstLight	12/7/2018	Dec phones&internet Telephone-A&G Office	176.44
						<b><u>204.64</u></b>
13579	12/20/2018	12	FirstLight	12/7/2018	UV Treatment Plant - O&M	62.50
						<b><u>62.50</u></b>
13579	12/20/2018	12	FirstLight	12/7/2018	Chloramine Facility - O&M	62.50
						<b><u>62.50</u></b>
13579	12/20/2018	12	FirstLight	12/7/2018	A/R - Lewiston	137.61
						<b><u>137.61</u></b>
13579	12/20/2018	12	FirstLight	12/7/2018	Telephone - Treatment	12.61
						<b><u>12.61</u></b>
13579	12/20/2018	12	FirstLight	12/7/2018	A/R - Auburn Sewer	176.45
						<b><u>176.45</u></b>

<b>Auburn Water District</b> <b>Accounts Payable Check Register</b> <b>December 1, 2018 thru December 31, 2018</b>
--

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
						<b><u>628.11</u></b>
13580	12/20/2018	12	Gagne & Sons	12/5/2018	2 shovels TRUCK #41 (2016 CHVY SILVR	79.06
						<b><u>79.06</u></b>
13581	12/20/2018	12	Ben Hadley	12/1/2018	Dec cell Telephone - Treatment	30.00
						<b><u>30.00</u></b>
13582	12/20/2018	12	David Hamann	12/1/2018	Dec cell Telephone - Treatment	30.00
						<b><u>30.00</u></b>
13583	12/20/2018	12	Cole Hayford	12/1/2018	Dec cell Telephone - Treatment	30.00
						<b><u>30.00</u></b>
13584	12/20/2018	12	K. L. Jack & Co., Inc.	12/13/2018	box screws Equipment Maintenance	13.27
						<b><u>30.00</u></b>
13584	12/20/2018	12	K. L. Jack & Co., Inc.	12/13/2018	A/R - Auburn Sewer	13.28
						<b><u>26.55</u></b>
13585	12/20/2018	11	Bisson Enterprises, Inc. DBA	11/30/2018	Court St clean-Nov Outside Services - T&D - Mnt	282.50
						<b><u>26.55</u></b>
13585	12/20/2018	11	Bisson Enterprises, Inc. DBA	11/30/2018	A/R - Auburn Sewer	282.50
						<b><u>206.00</u></b>
13585	12/20/2018	11	Bisson Enterprises, Inc. DBA	11/30/2018	UV clean-Nov UV Treatment Plant - O&M	206.00
						<b><u>206.00</u></b>
13585	12/20/2018	11	Bisson Enterprises, Inc. DBA	11/30/2018	A/R - Lewiston	206.00
						<b><u>977.00</u></b>
13586	12/20/2018	12	Ken Lane	12/1/2018	Dec cell Telephone - Treatment	30.00
						<b><u>30.00</u></b>
13587	12/20/2018	12	Maine I.T.	10/15/2018	computer IT Outside Services - A&G	220.00
						<b><u>30.00</u></b>
13587	12/20/2018	12	Maine I.T.	10/15/2018	A/R - Auburn Sewer	220.00

<b>Auburn Water District</b> <b>Accounts Payable Check Register</b> <b>December 1, 2018 thru December 31, 2018</b>
--

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
						<u>440.00</u>
13588	12/20/2018	11	Maine Water Company	11/30/2018		1,625.00
					Leighton-Nov Accounting & Audit	
13588	12/20/2018	11	Maine Water Company	11/30/2018		1,625.00
					A/R - Auburn Sewer	
						<u>3,250.00</u>
13589	12/20/2018	11	W. B. Mason Co., Inc.	11/30/2018		29.03
					Letter file boxes Supplies - A&G - Office	
13589	12/20/2018	11	W. B. Mason Co., Inc.	11/30/2018		29.04
					A/R - Auburn Sewer	
						<u>58.07</u>
13590	12/20/2018	12	Craig Millett	12/1/2018		30.00
					Dec cell Telephone - Treatment	
						<u>30.00</u>
13591	12/20/2018	12	E.J. Prescott, Inc.	11/29/2018		464.88
					meter flags Inventory	
						<u>464.88</u>
13592	12/20/2018	12	Quickserve Plumbing & Heatin	11/21/2018		125.00
					33 Joseph Lane Supplies - Mains	
						<u>125.00</u>
13593	12/20/2018	12	Tri-State Steel Inc.	12/11/2018		30.62
					weld supplies Equipment Maintenance	
13593	12/20/2018	12	Tri-State Steel Inc.	12/11/2018		30.63
					A/R - Auburn Sewer	
13593	12/20/2018	12	Tri-State Steel Inc.	12/11/2018		26.44
					weld supplies Equipment Maintenance	
13593	12/20/2018	12	Tri-State Steel Inc.	12/11/2018		26.44
					A/R - Auburn Sewer	
13593	12/20/2018	12	Tri-State Steel Inc.	12/13/2018		84.26
					plate Equipment Maintenance	
13593	12/20/2018	12	Tri-State Steel Inc.	12/13/2018		84.26
					A/R - Auburn Sewer	
						<u>282.65</u>

<b>Auburn Water District</b> <b>Accounts Payable Check Register</b> <b>December 1, 2018 thru December 31, 2018</b>
--

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
13594	12/20/2018	12	UPS	12/15/2018		8.78
					ship to Calgon UV Treatment Plant - O&M	
13594	12/20/2018	12	UPS	12/15/2018		8.79
					A/R - Lewiston	
						<u>17.57</u>
13595	12/28/2018	12	Ace Detective & Security	12/17/2018		292.50
					traffic detail Supplies - Mains	
						<u>292.50</u>
13596	12/28/2018	12	Alere eScreen	11/30/2018		64.00
					drug test Misc Expense-T&D Ops	
						<u>64.00</u>
13597	12/28/2018	12	Androscoggin Registry Of	12/27/2018		66.00
					place liens Misc Expense-Collections	
						<u>66.00</u>
13598	12/28/2018	12	City of Auburn	12/10/2018		1,530.00
					street opening permits Supplies - Mains	
13598	12/28/2018	12	City of Auburn	12/10/2018		20.00
					Supplies - Services	
13598	12/28/2018	12	City of Auburn	12/10/2018		10.00
					A/R - Auburn Sewer	
						<u>1,560.00</u>
13599	12/28/2018	12	Calgon Carbon Corp	12/11/2018		153.30
					sensor calibration UV Treatment Plant - O&M	
13599	12/28/2018	12	Calgon Carbon Corp	12/11/2018		153.31
					A/R - Lewiston	
						<u>306.61</u>
13600	12/28/2018	12	Dead River Company	12/14/2018		447.52
					tank #5 Propane Exp - UV	
13600	12/28/2018	12	Dead River Company	12/14/2018		447.53
					A/R - Lewiston	
13600	12/28/2018	12	Dead River Company	12/18/2018		179.19
					tank #5 propane Propane Exp - UV	

<b>Auburn Water District</b> <b>Accounts Payable Check Register</b> <b>December 1, 2018 thru December 31, 2018</b>
--

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
13600	12/28/2018	12	Dead River Company	12/18/2018		179.19
					A/R - Lewiston	
						<b><u>1,253.43</u></b>
13601	12/28/2018	12	Fastenal Company	12/11/2018		32.52
					weld supplies Equipment Maintenance	
13601	12/28/2018	12	Fastenal Company	12/11/2018		32.52
					A/R - Auburn Sewer	
13601	12/28/2018	12	Fastenal Company	12/12/2018		7.08
					weld supplies Equipment Maintenance	
13601	12/28/2018	12	Fastenal Company	12/12/2018		7.08
					A/R - Auburn Sewer	
13601	12/28/2018	12	Fastenal Company	12/18/2018		47.39
					batteries Supplies - T&D - Ops	
13601	12/28/2018	12	Fastenal Company	12/18/2018		47.40
					A/R - Auburn Sewer	
						<b><u>173.99</u></b>
13602	12/28/2018	12	Harcros Chemicals, Inc.	12/14/2018		3,039.94
					Hypo Chemical Expense	
						<b><u>3,039.94</u></b>
13603	12/28/2018	12	Treasurer, State of Maine	12/18/2018		806.00
					water test Outside Services - Lab Tests	
13603	12/28/2018	12	Treasurer, State of Maine	12/18/2018		806.00
					A/R - Lewiston	
						<b><u>1,612.00</u></b>
13604	12/28/2018	12	W. B. Mason Co., Inc.	12/6/2018		44.82
					Greg binders,tabs Supplies - A&G - Office	
13604	12/28/2018	12	W. B. Mason Co., Inc.	12/6/2018		44.82
					A/R - Auburn Sewer	
13604	12/28/2018	12	W. B. Mason Co., Inc.	12/6/2018		41.98
					multifold towels,trash bags Supplies - T&D - Ops	
13604	12/28/2018	12	W. B. Mason Co., Inc.	12/6/2018		41.99
					A/R - Auburn Sewer	
						<b><u>173.61</u></b>

<b>Auburn Water District</b> <b>Accounts Payable Check Register</b> <b>December 1, 2018 thru December 31, 2018</b>
--

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
13605	12/28/2018	12	McMaster-Carr Supply Co.	12/13/2018	fuses& adjustable tool TRUCK #26 (2006 CHEVY SRV)	109.09
						<b><u>109.09</u></b>
13606	12/28/2018	12	NEIWPC	12/17/2018	Erica-mgmt school Misc Expense-Treatment	475.00
13606	12/28/2018	12	NEIWPC	12/17/2018	A/R - Lewiston	475.00
						<b><u>950.00</u></b>
13607	12/28/2018	12	E.J. Prescott, Inc.	12/4/2018	cplg Inventory	193.75
13607	12/28/2018	12	E.J. Prescott, Inc.	12/4/2018	clamp Inventory	115.05
13607	12/28/2018	12	E.J. Prescott, Inc.	12/4/2018	tap cap Expenses - Jobbing	88.94
13607	12/28/2018	12	E.J. Prescott, Inc.	12/6/2018	cplgs, studs, nuts Supplies - Hydrants	1,341.37
13607	12/28/2018	12	E.J. Prescott, Inc.	12/10/2018	iron pipes, hydrant wrenches Equipment Maintenance	125.95
13607	12/28/2018	12	E.J. Prescott, Inc.	12/10/2018	A/R - Auburn Sewer	125.96
13607	12/28/2018	12	E.J. Prescott, Inc.	12/7/2018	meters Inventory	1,319.91
13607	12/28/2018	12	E.J. Prescott, Inc.	12/7/2018	shipping Supplies - T&D - Ops	17.00
13607	12/28/2018	12	E.J. Prescott, Inc.	12/11/2018	meters Inventory	2,010.20
13607	12/28/2018	12	E.J. Prescott, Inc.	12/11/2018	bases, tops, romagrips Inventory	3,117.72
						<b><u>8,455.85</u></b>
13608	12/28/2018	12	Rent-It Of Maine, Inc.	12/10/2018	excavator Pionite Rd - Pipe Bursting	246.50
						<b><u>246.50</u></b>

<b>Auburn Water District</b> <b>Accounts Payable Check Register</b> <b>December 1, 2018 thru December 31, 2018</b>
--

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
13609	12/28/2018	12	Selco Plumbing and	12/26/2018	toilet repair kit Misc Expense-T&D Ops	8.74
13609	12/28/2018	12	Selco Plumbing and	12/26/2018	A/R - Auburn Sewer	8.75
						<b><u>17.49</u></b>
13610	12/28/2018	12	Thayer Corporation	12/10/2018	boiler maint Outside Services - T&D - Mnt	187.62
13610	12/28/2018	12	Thayer Corporation	12/10/2018	A/R - Auburn Sewer	187.63
						<b><u>375.25</u></b>
13611	12/28/2018	12	Tri-State Steel Inc.	12/18/2018	steel piece Volvo EC160 Loader	5.00
13611	12/28/2018	12	Tri-State Steel Inc.	12/19/2018	#23 steel pieces TRUCK #23 (2004 GMC DUMP)	73.60
						<b><u>78.60</u></b>
13612	12/28/2018	12	Unifirst Corp	11/29/2018	foam, rugs UV Treatment Plant - O&M	80.17
13612	12/28/2018	12	Unifirst Corp	11/29/2018	A/R - Lewiston	80.18
13612	12/28/2018	12	Unifirst Corp	12/20/2018	foam,rugs UV Treatment Plant - O&M	61.90
13612	12/28/2018	12	Unifirst Corp	12/20/2018	A/R - Lewiston	61.91
13612	12/28/2018	12	Unifirst Corp	12/27/2018	rugs UV Treatment Plant - O&M	85.15
13612	12/28/2018	12	Unifirst Corp	12/27/2018	A/R - Lewiston	85.15
						<b><u>454.46</u></b>
13613	12/28/2018	12	United Way Of Andr.County	12/27/2018	Dec employee contrib United Way	68.00
13613	12/28/2018	12	United Way Of Andr.County	12/27/2018	A/R - Auburn Sewer	24.00
						<b><u>92.00</u></b>



<b>Auburn Water District</b> <b>Accounts Payable Check Register</b> <b>December 1, 2018 thru December 31, 2018</b>
--

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
13614	12/28/2018	12	UNUM Life Insurance	12/17/2018	Jan bill Pre-Paid	177.00
13614	12/28/2018	12	UNUM Life Insurance	12/17/2018	A/R - Auburn Sewer	77.14
13615	12/28/2018	12	Univar, USA Inc	12/11/2018	caustic soda Chemical Expense	<u>254.14</u> 4,547.80
<b><u>Grand Total</u></b>						<b><u>333,034.93</u></b>

**AUBURN WATER DISTRICT**  
**MONTHLY ACTIVITY REPORT**  
**December 2018**

**MAINS**

Location	Hrs.	Comments	Leak Check						
			PT/Cl <sub>2</sub>	Leak	On Owner	OK	Misc.	New	
Pionite Rd	59	Pipe Bursting Project 3000/3300							1
Pierce Street	12	Repaired service leak@main		1					
Minot Ave @ Poland	36	Repaired circumferal break		1					
French's Lane	12	Repaired Leak		1					
<b>Monthly Totals</b>	7		0	3	0		0	1	
<b>2017 Monthly Totals</b>	2		0	1	0	0	1	0	
<b>YTD Totals</b>	73		0	29	13	6	3	22	
<b>2017 YTD Totals</b>	80		1	18	4	16	10	31	

**GATES**

Location	Ck'd	Comments	Adjust	Leak	New	Misc.
Hotel Rd	1	Checked Gates on Hotel Rd				1
<b>Monthly Totals</b>	1		0	0	0	1
<b>2017 Monthly Totals</b>	0		0	0	0	0
<b>YTD Totals</b>	29		20	0	0	9
<b>2017 YTD Totals</b>	71		63	1	0	7

## HYDRANTS

Location	Hrs.	Comments	Broken	Cap	Misc.	New	Frozen
Private Fire Hydrant Maintenance	25	All paid customers			1		
Hydrant Checks/snow removal	348	All hydrants			1		
Spring Street	3	repair hydrant ad return to service	1				
Center @ Princeton	5	repair hydrant ad return to service	1				
Main @ 8th	4	repair hydrant ad return to service	1				
158 Seventh	4	repair hydrant ad return to service	1				
Turner Street @ Chloramines	4	repair hydrant ad return to service	1				
<b>Monthly Totals</b>	7		5	0	2	0	0
<b>2017 Monthly Totals</b>	3		1	0	2	0	0
<b>YTD Totals</b>	67		19	0	43	1	4
<b>2017 YTD Totals</b>	61		15	2	40	4	0

## NEW SERVICES

Location	No.	Comments	No Meter	Meter	Meter Size
White Hanger Rd	1	Activate new sprinkler service, 6"	1		
122 Goff Street	1	Activate new sprinkler service, 2"	1		
<b>Monthly Totals</b>	4		2	0	
<b>2017 Monthly Totals</b>	0		0	0	
<b>YTD Totals</b>	6		2	11	
<b>2017 YTD Totals</b>	6		4	9	

## SERVICES

Location	No.	Comments	Leak Check			Frozen	Box	Misc.
			OK	Leak	On Owner			
347 Turner	1	Turn off and on for customer			1			
195 Bradman	1	repaired service box					1	
118 Newbury	1	frozen meter			1			
82 Fifth Street	1	frozen meter, missing			1			
75 Washington	1	repaired service box					1	
61 North River Rd	1	repaired service box					1	
254 Summer Street	1	repaired service box					1	
264 Turner Street	24	Repaired service Leak		1				
393 Turner Street	24	Repaired service Leak		1				
32 Webster	2	meter change out	1					
248 Turner	1	test meter upon customers request	1					
225 Grammage	1	Customer called, pipes making noise	1					
41 Stevens Mills	1	repaired service box, buried	1					
<b>Monthly Totals</b>	13		4	2	3		4	
<b>2017 Monthly Totals</b>	11		3	0	0	0	7	1
<b>YTD Totals</b>	105		30	5	38	1	25	6
<b>2017 YTD Totals</b>	139		48	4	25	0	43	19

## METERS

Activity	Comments	Test/Repair	Changed	Misc.	Read Hours	Special Reads	Delinquent	
							Notify	Turn off
Test meters								
Test meters								
Test meters								
Test meters								
Test meters		32						
Repair MXU.'s.			2					
Meters In/out			1					
Dead								
Frozen								
Terminate Service			1					
Activate Service			4					
Summer In								
Winter Out			12					
Temporary Meter								
Turn off & on for repairs								
Reading Meters	cycle 3, Book 80, cycle 1				21.5			
Final Reads	Ownership Transfer					27		
Recheck Readings	High or low reading.							
Red Tags	Notify for non-payment.						10	
Turn off for non-payment	(1) reinstated							3
<b>Monthly Totals</b>		32	20	0	21.5	27	10	3
<b>2017 Monthly Totals</b>		2	27	5	10	43	3	5
<b>YTD Totals</b>	40	99	265	47	329	410	113	89
<b>2017 YTD Totals</b>	133	66	314	37	165	402	179	161

### STATION CHECKS

Location	hrs.	Comments
Hardscrabble Reservoir	10	PLC upgrades
Poland Booster	1	replaced Generator Battery
Goff Hill	1	Clean up fill piles for winter
Hardscrabble Reservoir	1	re-programed generator exercise schedule
Hardscrabble Reservoir	1	Cleaned floor in vault
Goff Hill	1	Drain and re-fill
<b>Monthly Totals</b>	6	
<b>2017 Monthly Totals</b>	4	
<b>YTD Totals</b>	72	
<b>2017 YTD Totals</b>	64	

### WATER QUALITY CALLS

Location	Comments	Dirty	Color	Odor	Taste	Misc.
72 Wrights Landing	Checked residual and flushed				1	
<b>Monthly Totals</b>		0	0	0	1	0
<b>2017 Monthly Totals</b>		0	0	0	0	0
<b>YTD Totals</b>		0	1	61	53	1
<b>2017 YTD Totals</b>		5	5	1	1	0

## LABORATORY

Month	Dist. Sys. Tests	Temp (°C)	Avg. NaOH	Avg. Cl	Avg. FL	Avg. Turb.	SWTR Tests
		Water	gal/MG	mg/l	mg/l	(ntu)	
January	56	2.1	28.51	3.00	0.78	0.44	31
February	48	2.4	28.79	2.80	0.77	0.45	28
March	50	3.0	29.30	2.62	0.76	0.36	30
April	50	5.1	29.44	2.68	0.80	0.42	31
May	56	13.1	29.72	2.65	0.77	0.61	31
June	50	15.1	29.68	2.84	0.69	0.55	30
July	55	21.7	29.68	2.87	0.74	0.46	31
August	51	25.4	27.93	2.98	0.73	1.28	31
September	50	24.5	27.81	2.83	0.73	1.93	30
October	56	19.2	28.45	2.81	0.70	0.90	31
November	50	9.9	28.28	2.85	0.70	0.83	30
December	51	5.2	29	2.86	0.69	0.56	31
<b>YTD Avg</b>		12	28.67	2.82	0.74	0.73	
<b>2017 Avg</b>			27.52	2.66	0.72	0.57	
<b>YTD Totals</b>	623						365
<b>2017 YTD</b>	622						364

## LAKE AUBURN

Month	No. Patrols	Withdrawals *			Elevations **					
		AWD	LWD	Total	1st	High	Yr.	Low	Yr.	2017
January	Daily	2.39	3.49	5.88	260.37	261.40	1974	257.20	2001	259.45
February	Daily	2.16	3.35	5.51	261.00	261.70	1996	257.10	2002	260.40
March	Daily	2.23	3.22	5.45	261.12	261.41	2010	257.40	2002	260.45
April	Daily	2.35	3.24	5.59	261.24	262.40	1953	258.20	2002	260.02
May	Daily	2.47	3.46	5.93	260.74	261.53	2017	258.78	2007	261.53
June	Daily	2.85	4.05	6.90	260.61	260.80	2003	259.49	2007	260.75
July	Daily	2.69	4.70	7.39	260.31	261.70	2013	258.75	1960	260.36
August	Daily	2.61	4.08	6.69	259.94	261.10	1981	258.00	1999	259.94
September	Daily	2.60	4.81	7.40	259.66	260.92	2013	257.40	1999	259.46
October	Daily	2.58	4.51	7.09	259.51	261.10	1981	257.55	1952	259.46
November	Daily	2.38	3.73	6.11	259.33	260.95	2011	257.15	1952	259.83
December	Daily	2.3	3.35	5.60	260.49	261.30	1981	256.95	1952	259.98
<b>Avg. Daily</b>	Daily	2.46	3.83	6.30						
<b>YTD Totals</b>	0	29.56	45.99	75.54						
<b>2017 YTD Totals</b>		29.04	46.12	75.16						

\* Average Daily Withdrawals MGD \*\* Elevation Above Sea Level

## WEATHER\*

Month	Precipitation					Temperature			
	Snowfall (in.)	Total (in)	Heating Degree Days	Normal Precip	Days of Precip.	Max. (°F)	Min. (°F)	Avg. (°F)	Dep. from Norm
January	20.1	3.54		3.16	10	30	9	20	2
February	23.0	2.65		3.04	8	38	17	28	7
March	29.2	2.11		4.14	5	40	25	33	3
April	2.2	4.13		4.1	12	50	30	40	-3
May	0.0	0.87		3.69	6	70	43	57	2
June	0.0	2.49		3.96	11	74	49	62	-2
July	0.0	4.01		3.52	10	81	58	70	0
August	0.0	4.49		3.01	13	81	60	70	2
September	0.0	3.61		3.71	10	72	50	61	1
October	1.1	2.76		4.38	12	53	36	45	-3
November	18.0	5.87		4.52	14	39	25	32	-5
December	6.2	2.74		3.84	7	36	16	26	1
<b>YTD Totals</b>	<b>99.8</b>	<b>39.27</b>							
<b>2017 YTD Totals</b>	<b>112.6</b>	<b>34.71</b>							

## DIG SAFE

Month	Total	Contractors	MDOT	AHD	School Dept.	Lewiston Water	Fairpoint	AWD	CMP	ASD	GAS	MTA
January	43	18	1	1	0	0	0	9	10	0	4	0
February	50	18	0	0	0	0	0	3	26	0	1	2
March	45	21	0	1	0	0	0	9	9	0	4	1
April	122	74	2	14	0	0	0	9	13	0	7	3
May	182	98	2	24	0	1	0	7	5	0	45	0
June	176	73	0	13	0	0	0	6	64	1	18	1
July	145	82	1	25	1	2	0	3	6	1	22	2
August	126	62	7	21	0	0	0	4	10	1	16	5
September	126	59	8	34	0	0	0	2	6	0	15	2
October	148	63	21	30	0	0	0	8	4	0	19	3
November	51	28	0	4	0	0	0	11	5	0	3	0
December	29	21	0	0	0	0	0	6	2	0	0	0
<b>YTD Totals</b>	<b>1243</b>	<b>617</b>	<b>42</b>	<b>167</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>77</b>	<b>160</b>	<b>3</b>	<b>154</b>	<b>19</b>
<b>2017 Totals</b>	<b>1209</b>	<b>565</b>	<b>21</b>	<b>212</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>82</b>	<b>172</b>	<b>20</b>	<b>117</b>	<b>16</b>

## DUTY FOREMAN CALLS

(Overtime)

Districts	Total	High/Low Pressure	Water Quality	Alarms	Sewer Service	Leak	Misc.	Locates	Hydrants	Meter	Fire Calls
Sewerage District	2			2	0	0	0	0	0	0	0
Water District	3	0	0	1		2	0	0	0	0	0
<b>Monthly Totals</b>	5	0	0	3	0	2	0	0	0	0	0
<b>2017 Monthly Totals</b>	5	1	0	0	1	1	1	1	0	0	0
<b>YTD Totals</b>	57	0	0	28	2	24	9	10	2	4	4
<b>2017 YTD Totals</b>	43	0	1	18	4	7	8	4	1	2	1

## OTHER ACTIVITIES

1. Repaired toilet in woman's room, office
2. Snow removal, 12/17, 12/28, 12/31
3. Worked on excavator bucket
4. Repaired ramps and decking on equipment trailer
5. Built new flushing boards
6. removed fuel tanks from shop
- 7.

## Poland Spring Inn Booster Station

1 Station inspections 4      4

## NEW GLOUCESTER

1. read meters
2. ordered replacement pump parts
3. Checked fire hydrants
4. Station inspections      9



Treatment Alternative	Pros	Cons	December 2020 Budgetary Project Cost (Construction and Engineering)
Immersed Membrane	<ul style="list-style-type: none"> <li>• Smallest footprint compared to other technologies</li> <li>• Removal of most particulate matter with membrane alone</li> </ul>	<ul style="list-style-type: none"> <li>• High energy and maintenance costs</li> <li>• High capital costs</li> <li>• May not remove all taste and odor compounds</li> <li>• Short life expectancy (+/- 10 years)</li> </ul>	\$30 Million
Dissolved Air Flotation (DAF) Followed by Sand Filtration	<ul style="list-style-type: none"> <li>• Easy to operate</li> <li>• Reliable technology</li> <li>• Higher residual solids concentration produced</li> </ul>	<ul style="list-style-type: none"> <li>• DAF removes partial amount of solids from the water. Post filtration is almost always needed</li> <li>• May not remove all taste and odor compounds</li> </ul>	\$28 Million
Conventional Treatment	<ul style="list-style-type: none"> <li>• Can treat wide range of raw water qualities</li> <li>• Proven technology</li> </ul>	<ul style="list-style-type: none"> <li>• Large footprint requirements</li> <li>• Higher maintenance costs</li> <li>• May not remove all taste and odor compounds</li> </ul>	\$28 Million

\* Carbon treatment may be necessary to reduce taste and odor concerns.

\* The above costs are only for the treatment alternative listed. The costs do not represent a full water treatment plant since the existing treatment plant would be used in conjunction with any form of supplemental treatment.

## The Cost of Filtration

<u>Entity</u>	<u>Capacity</u>	<u>Type</u>	<u>Year</u>	<u>Cost</u>
Kennebec	12 MGD	GAC	1993	\$22 Million
Brunswick	4 MGD	TOC	2010	\$35 Million
Saco	12 MGD	Conventional	2018	\$45 Million (Engineering Estimate)
Bangor	7 MGD	Conventional	2009	\$30-\$55 Million (Engineering Estimate)

January 3, 2019  
W-P Project No. 13424A

Mr. Sid Hazelton, General Manager  
Auburn Water District  
286 Court Street  
Auburn, ME 04210

Subject: Conceptual Cost for Water Treatment Facility at Lake Auburn

Mr. Hazelton:

As requested, Wright-Pierce has prepared a conceptual cost estimate to construct a water filtration facility at Lake Auburn. Lake Auburn is the source of supply for both the Auburn Water District and the City of Lewiston. The supply is unfiltered, presently permitted by state and federal regulators under a filtration waiver from the EPA. However, recent algae outbreaks in Lake Auburn have raised concern that filtration may be needed in the future even if not mandated or directed by regulators. The District has requested that this preliminary, conceptual cost estimate be developed to gain an initial understanding of the cost of adding filtration to the existing disinfection facilities at Lake Auburn.

### **Existing Studies and Provisions for Future Filtration at Lake Auburn**

Presently, the Auburn Water District disinfects the Lake Auburn supply with a combination of chloramines and ultraviolet light consistent with requirements mandated under the Safe Drinking Water Act for unfiltered surface water supplies. The water system is presently in compliance with all state and federal regulations. Before addition of enhanced disinfection using ultraviolet light, which was constructed and added to the system in 2012, the District completed a treatment alternatives study (2007), to understand how filtration might be added in the future. This study developed conceptual layouts for addition of membrane filtration upstream of the proposed ultraviolet light facilities when and if required by regulators sometime in the future.

Three conceptual building envelopes were developed on wooded land southeast of the current facilities at Lake Auburn. The three building envelopes, each approximately 100-feet by 175-feet in area, were oriented in three different configurations to house a 16 million gallon per day (MGD) membrane filtration process. The building envelopes were very preliminary in nature and did not look at detailed space needs. The assumption was that direct filtration with membranes, without pre-treatment using coagulation and sedimentation, would be adequate based on Lake Auburn water quality at the time. Since 2007, water quality has changed in Lake Auburn, and algae concentrations have increased. Membranes are not a preferred technology when alga is present in the supply unless pre-treatment is added upstream of the membrane filters.



On this basis, a concept treatment plant using membranes with a high-rate pre-treatment process using dissolved air-flotation (DAF) was assumed in developing the cost estimates. The DAF process is very common approach for supplies high in algae or with varying raw water quality. This technology requires a smaller building footprint than most pre-treatment technologies and would be located upstream of membrane filtration process. This concept filtration system would be followed by the existing disinfection system at Lake Auburn. All existing facilities would be retained and reused if filtration is added.

### **Cost Estimate Methodology**

Based on projects designed and constructed by Wright-Pierce using membranes and DAF, we estimate that approximately 22,000 square feet of building area will be required for the new treatment facility to house and support the required facilities. The facility would include 8 membrane rack assemblies plus one spare, each rated for 2.0 MGD, a DAF pre-treatment system, chemical feed and storage facilities, electrical and mechanical rooms, lavatories and common spaces. No new space was assumed for office space. Existing space in the current disinfection facility was assumed to be adequate for this purpose.

The building would be located in the general area envisioned in the 2007 alternatives study. It should be recognized that resource limitations from wetlands and to comply with local zoning were not considered in the 2007 study.

The following assumptions were made in developed the preliminary cost estimate:

- A 15% allowance for a construction contingency
- An allowance of 20% for professional services to design and oversee construction of the new facilities
- A 5% allowance for legal, short-term interest and other financing costs
- A building envelope based on recently design projects using DAF and membranes
- Square foot building costs from similar projects escalated using the engineering news record (ENR) construction cost index.
- Residuals from the filtration and DAF processes would be collected and pumped to the local sewer system.
- No land acquisition is needed at Lake Auburn
- A pilot study to evaluate alternatives and pilot test the preferred alternative is included in the estimate

The building was assumed to be constructed of composite masonry, similar to the existing disinfection facility located at Lake Auburn.

Square footage prices from similar treatment facilities were considered in developing cost estimates using bid results from similar projects. These estimates were converted to square footage prices and applied to the new square footage requirements for a 22,000 square foot building envisioned for this facility. The engineering news index construction cost index was used to escalate these costs from the bid opening date to the anticipated mid-point of construction of the new facility. It would likely take 4-5 years to design and construct the proposed facility, so the costs from these other projects were escalated to June 2022, an assumed mid-point of construction if the project was authorized to begin in 2019.

Mr. Sid Hazelton, General Manager

January 3, 2019

Page 3 of 3



## Cost Estimate

Based on the above assumptions, it is estimated that a new 16 MGD filtration facility to supplement existing disinfection and pumping facilities at Lake Auburn would cost between \$45M and \$47M to design construct and commission. This cost assumes that the surrounding lands at Lake Auburn are adequate to site the proposed facilities and available land is developable without any wetlands or zoning restrictions. This estimate also assumes that residual solids generated from the proposed filtration processes can be equalized on site and pumped to the existing sewer system without major reconstruction of sewers and pumping stations using a single sewer force main connecting the new facility to the public sewer system. This additional load to the sewer system could have a substantial cost impact that could cascade through the entire sewer collection and treatment system. Further study is needed to quantify this cost.

## Closing

In closing, it is recognized, that more detailed study is needed to develop a more accurate estimate of cost to add filtration at Lake Auburn. However, based on similar projects, recent bid results and prior studies the estimates provided herein should provide a planning level understanding of the cost to proceed with treatment at Lake Auburn

Thank you for the opportunity to provide this information. Please let us know if the District or other interested parties have any questions.

Sincerely,

WRIGHT-PIERCE

Jeffrey P. Musich, PE  
Senior Vice President

[jeff.musich@wright-pierce.com](mailto:jeff.musich@wright-pierce.com)

SAS/jpm

cc: File

Comparison of Rate Increases necessary to replace bad water pipe

<u>Miles Replaced/yr</u>	<u>Rate Increase</u>	<u>Year</u>	<u>Years to Replace bad Pipe</u>
1.5	5.50%	2021	43
2	11%	2020	32.5
2.5	21%	2020	26
3	28%	2020	21.5

Assumptions:

Approximately 66 miles of pipe to replace (16.4 miles of Cast Iron/49.3 miles of Cement Lined Cast Iron)

No new debt

Single digit increase may be necessary 10 years out

Flat Revenue Projections