

AUBURN SEWERAGE DISTRICT

Office Telephone # 784-6469

The regular monthly meeting of the Trustees of the Auburn Sewerage District will be held at the Auburn Sewerage District, 268 Court Street, on **Tuesday, August 21, 2018 at 4:00 P.M.**

AGENDA

1. Approve Minutes of Regular Meeting of July 17, 2018.
2. Financial Report Update - *Greg Leighton*.
3. Ratify Payment of Bills
4. Open Session
5. Activity Report - *Mike Broadbent*
6. New Business
 - Project Update
 - CSO Masterplan update
 - LAWPCA Apportionment & Financials
 - Cyber Breach
 - City of Auburn Strategic Development Plan
7. Old Business
8. Executive Session per 1 M.R.S.A. § 405 (6) (D) to discuss recently completed salary survey
9. Adjourn Regular Meeting.

Upcoming - Trustee Meeting - September 18, 2018

Memo

To: Water & Sewerage District Trustees
From: Sid Hazelton, P.E., Superintendent
CC: Files
Date: 8/16/2018
Re: Discussion of August Agenda Items

Water Trustees

Financial Report Highlights

Water sales picked up \$44k versus the smoothed budget in July as hot, humid, summer sales get billed. In August we finally turn to favorable versus budget on the top water sales line. We also received some large deposits for new services in July. Overall revenues are now \$6k ahead of budget. Expenses are \$10k over budget driven by high vehicle maintenance items. All other expenses remain in check. Total capital spend through July is \$754k or 63% of budgeted. Cash ended the month at \$961k and forecast for the year is to be on budget.

Water Quality Update

Recent Lake testing has revealed that the algae concentrations have increased. The latest Secci disk readings have gone from 10 to 4.5. Turbidity at the intake has increased to 1.3. Dissolved oxygen at the deep hole is still at 5%, which is a good thing. We have assembled the management team to review these latest results and formulate a plan. We will be increasing our sampling frequency, and are reaching out to the VLMP, DEP, and have Dr. Ken Wagner on retainer to help with analysis if needed. As a precaution we are reviewing our Pesticide Discharge Management Plan in case an application of Copper sulfate becomes necessary.

Project Updates

The Minot Avenue and Seventh Street Water Main Replacement Projects have been successfully completed. The pipe bursting Project on Pionite Road is scheduled to begin sometime in September.

The cost estimate for the Taylor Pond Water Main Upgrade has been completed, and is included in the packet. The estimate to complete the project is \$1.2 million.

Sewer Trustees

Financial Report Highlights

Metered income remains below budget due to lower industrial sales. We did pick up \$17k versus budget for the month of July. Overall revenue is below budget \$16k and we do not expect to catch this up. Expenses are favorable with major drivers being less labor, favorable benefits and lower allocation from LAWPCA. Our share of the LAWPCA debt invoices has been received and will be paid in the coming weeks. Total capital spend to date is only \$127k. Cash on hand is over \$1.9 million and forecasting to finish the year ahead of budget and with a favorable cash position.

Project Update

Our crews are beginning the Lewiston Junction Road portion of the Airport Sewer Project

We will be adjusting manholes in Lewiston Junction Road for the MDOT overlay project.

CSO Masterplan Update

Engineering consultants Tighe and Bond have been hired by the City of Lewiston to provide on-call Engineering Services. Task Order No. 1 is to provide an update to the DEP for the CSO Master Plan Update and Implementation

Schedule Report. A copy of the proposal is included in the packet. The update is due to the DEP by June 30, 2019. Auburn Sewer Districts share of the report will be \$17,821.00.

This is a similar amount and portion of the services that the District paid to Engineering Consultants CDM for the 2015 update.

I recommend that the ASD appropriate this money for the report. Expenditures will not occur until the Spring of 2019.

Cost Apportionment

The cost apportionment for this month was in our favor due to the wet weather

Both Boards

Cyber Security Breach

On July 30 a ransomware type of computer virus affected our computer network. Most of our files were backed up and restored; however, four computers at the UV plant had compromised local drives that had to be replaced. The management team from Auburn and Lewiston reviewed this incident on August 13 to develop a strategy for protecting our computer network moving forward.

City of Auburn Strategic Development Plan

The Auburn City Manager has asked for our participation in an upcoming series of meetings where officials will discuss a plan for future development within the City of Auburn.

Executive Session

There will be an executive session for both boards to discuss the recently completed salary survey.

July 18, 2018

The regular monthly meeting of the Trustees of the Auburn Sewerage District was held at the office of the Auburn Sewer District, 268 Court Street, on Tuesday, July 18, 2018 at 4:00pm.

Members present: Robert Cavanagh, Joseph DeFilipp, Raymond Fortier, Heidi McCarthy (President), Stephen Ness and Charles Sheehan. Also present: Sid Hazelton, Superintendent, Mike Broadbent, Assistant Superintendent and Tanya Johnson, Office Manager.

Absent: Greg Leighton, Finance Manager
Andrew Titus, Mayor's Representative

On motion of Charles Sheehan, seconded by Raymond Fortier, it was voted: **To approve the minutes of the Regular Meeting of June 19, 2018.**

FINANCIAL REPORT – The financial report was presented by Tanya Johnson. The industrial metered income is down about \$45,000 and residential metered income is down \$19,000. Expenses are favorable. The cash on hand is at \$1.8 million.

RATIFY PAYMENT OF BILLS

On motion of Robert Cavanagh, seconded by Stephen Ness, it was unanimously voted: **To ratify the payment of bills in the amount of \$233,604.97 as shown on the printout dated June 1, 2018- June 30, 2018.**

OPEN SESSION – K. C. Geiger, Auburn Water District Trustee, was in attendance.

ACTIVITY REPORT – The manholes on Cook St. and Hampshire St. have been adjusted. The Ash Landfill Project has been completed. The flow was directed to the leachate lagoon and will now be directed to the station. A new employee has been hired for the sewer crew.

NEW BUSINESS

PROJECT UPDATE Morin Excavation, low bidder for the Lew. Jct. Rd. portion of the Airport Project, has backed out due to their construction schedule. The project will be completed with our own crews and will include the cross-country section to Hotel Rd. Manholes will be adjusted for street construction projects on Lake St., Main St. and Minot Ave.

AWARD BID FOR SEWER LINING PROJECT -

Green Mountain of Vermont was low bidder for the sewer lining project (Seventh, Gill, Fulton).

On motion of Charles Sheehan, seconded by Robert Cavanagh, it was unanimously voted: **To award the Sewer Lining Project bid to Green Mountain.**

LAWPCA APPORTIONMENT & FINANCIALS – The dry weather has caused the apportionment to continue slightly in Lewiston’s favor. We will continue to monitor monthly.

SOLICITATION POLICY –Tizz Crowley, Water District Trustee, has written a Draft Solicitation Policy for review. No action was taken by the sewer trustees.

OLD BUSINESS

MEASURING OF THE LAKE – Trustee Joseph DeFilipp said that if there was to be no measuring of the lake as compensation for trustee service to the board, they should receive monetary compensation. Joseph DeFilipp, Raymond Fortier and Charles Sheehan will plan to attend the Water District Trustee meeting.

EXECUTIVE SESSION PER 1 M.R.S.A. § 405 (6) (D) TO DISCUSS A PERSONNEL ISSUE.

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

On motion of Charles Sheehan, seconded by Joseph DeFilipp, it was unanimously voted: **To move out of Executive Session.**

On motion of Charles Sheehan, seconded by Joseph DeFilipp, it was unanimously voted: **To support the extension of Greg Leighton’s Employment Contract through July, 2019.**

On motion of Charles Sheehan, seconded by Raymond Fortier, it was unanimously voted: **To adjourn the meeting.**

Respectfully submitted,



Diane Drinkwater

**AUBURN SEWERAGE DISTRICT
OPERATING STATEMENT - TRUSTEES' REPORT
SEVEN MONTHS ENDED JULY 31, 2018**

	July	2018	Y-T-D THRU JULY 2018		
	YTD - 2017	BUDGET	ACTUAL	BUDGET	VARIANCE
<u>REVENUES:</u>					
Metered Income	\$2,192,554	\$3,703,639	\$2,140,845	\$2,160,456	(\$19,612)
Industrial Surcharge	29,925	45,602	33,037	26,601	6,436
Shared Debt with City	20,696	41,392	20,696	24,145	(3,449)
Jobbing & Mdse. - NET	3,454	6,500	365	3,792	(3,427)
Sewer Assessments	4,130	21,762	9,711	12,695	(2,983)
Finance Charges	7,546	12,050	6,165	7,029	(864)
Interest Income	2,250	2,473	4,313	1,443	2,870
Industrial Treatment Sampling	30,800	50,400	29,400	29,400	0
Capacity Fees (SDS)	4,125	17,423	15,000	10,163	4,837
TOTAL REVENUES	2,295,480	3,901,241	2,259,531	2,275,724	(16,193)
			57.92%	58.33%	< Standard
<u>EXPENSES:</u>					
Payroll	221,649	434,356	230,946	253,374	(22,428)
Employee Benefits	106,895	225,245	117,605	131,393	(13,788)
Maint. of Sewers	29,955	55,836	34,104	32,571	1,533
Lift Stations	53,220	88,430	45,243	51,584	(6,341)
Maint. of Buildings	18,797	33,677	19,269	19,645	(376)
Maint. of Trucks	6,582	16,216	12,296	9,459	2,836
Office Expense	13,272	26,335	14,617	15,362	(745)
Collection Expense	52	228	(115)	133	(248)
General Expense	1,511	2,323	4,690	1,355	3,335
Insurance	33,637	52,401	35,960	30,567	5,393
Legal & Accounting Fees	20,696	29,350	18,022	17,121	901
Billing Expense	41,802	71,120	39,814	41,487	(1,673)
L.A.W.P.C.A.	753,819	1,907,285	1,061,240	1,112,583	(51,343)
SUB-TOTAL	1,301,887	2,942,802	1,633,691	1,716,635	(82,944)
Interest	48,170	79,427	50,968	46,332	4,635
TOTAL EXPENSES	1,350,057	3,022,229	1,684,659	1,762,967	(78,308)
			55.74%	58.33%	< Standard
Bonds - Principal Payments	209,741	548,477	211,158	319,945	(108,787)
SURPLUS FROM OPERATIONS	735,682	330,535	363,715	192,812	170,903

**AUBURN SEWERAGE DISTRICT
BALANCE SHEET
PERIOD ENDING - JULY 31, 2018**

	<u>7/31/2018</u>	<u>12/31/2017</u>	<u>7/31/2018</u>	<u>12/31/2017</u>
Property, Plant and Equipment:				
Plant in Service	32,976,559.33	32,882,134.83	Equity Capital	16,272,301.16
Less: Accumulated Depreciation	<u>(14,917,465.31)</u>	<u>(14,457,008.22)</u>	Long Term Debt	3,973,834.23
	18,059,094.02	18,425,126.61		
Construction Work In Progress	236,012.32	110,852.55	Volvo Excavator Financed	71,037.00
				0.00
Current Assets:			Current Liabilities:	
Cash	1,930,751.21	1,519,552.69	Current Portion of LTD	548,735.05
Accounts Receivable	326,459.46	310,266.48	Accounts Payable	97,021.95
Construction Assessments	17,949.96	18,467.86	Accrued Interest & Other	53,617.76
City of Auburn Debt	455,319.38	476,015.72	Customer Deposits	10,360.00
Inventory	62,972.53	34,957.73	Pre-Treatment Costs	21,000.00
PrePaiDs	17,244.00	0.00	Accrued LAWPCA	327,525.19
Total Current Assets	<u>2,810,696.54</u>	<u>2,359,260.48</u>	Total Current Liabilities	<u>1,058,259.95</u>
			Deferred Credits	0.00
Deferred Charges	58,173.78	79,528.44	Total Equity & Liabilities	<u>21,163,976.66</u>
Total Assets	<u>21,163,976.66</u>	<u>20,974,768.08</u>		<u>20,974,768.08</u>

Auburn Sewer District Accounts Payable Check Register July 1, 2018 thru July 31, 2018
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<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Description</u>	<u>Amount</u>
5391	7/13/2018	7	AEC Engineering	6/27/2018	pump nameplates PLC Upgrades 2018 - Sewer	40.00
						40.00
5392	7/13/2018	7	Andros. Registry Of Deeds	7/11/2018	release lien Lien Release Fees	22.00
						22.00
5393	7/13/2018	6	Constellation NewEnergy, Inc.	6/15/2018	Washington St Accrued Power	198.76
5393	7/13/2018	6	Constellation NewEnergy, Inc.	6/22/2018	Bradman St Accrued Power	133.82
						332.58
5394	7/13/2018	6	Fastenal Company	6/25/2018	tool sets Truck #35 (2013 Vacuum Truck)	123.73
						123.73
5395	7/13/2018	7	Gagne & Sons	6/29/2018	rings, mortar mix Supplies - Mains - Mnt	141.50
						141.50
5396	7/13/2018	7	Gilman Electrical Supply	6/29/2018	electric supplies PLC Upgrades 2018 - Sewer	6.60
5396	7/13/2018	7	Gilman Electrical Supply	7/9/2018	electrical parts Ash Landfill Pump Station	70.21
5396	7/13/2018	7	Gilman Electrical Supply	7/10/2018	electric supplies Ash Landfill Pump Station	33.88
						110.69
5397	7/13/2018	8	Group Dynamic, Inc.	7/13/2018	August bill Employee Benefits	32.00
						32.00
5398	7/13/2018	7	Vantagepoint Transfer Agent-30	6/30/2018	Policy#304412 Accrued Deferred Comp	1,575.40
						1,575.40
5399	7/13/2018	7	Vantagepoint Transfer Agent-10	6/30/2018	Policy#109636 Employee Benefits	1,537.12
						1,537.12

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5400	7/13/2018	7	Vantagepoint Transfer Agent-70	6/30/2018	Policy#705328 Accrued IRA/ICMA	303.95
						<u>303.95</u>
5401	7/13/2018	7	Portland Plastic Pipe	6/25/2018	flanges, gaskets Ash Landfill Pump Station	83.27
5401	7/16/2018	7	Portland Plastic Pipe	6/25/2018	voic ck#5401 Ash Landfill Pump Station	-83.27
						<u>0.00</u>
5402	7/13/2018	6	E.J. Prescott, Inc.	6/12/2018	adapter, cplg Ash Landfill Pump Station	49.36
						<u>49.36</u>
5403	7/13/2018	7	Tessco Inc	7/6/2018	male crimps Expense-Moosebrook PS	55.37
5403	7/13/2018	7	Tessco Inc	7/5/2018	male crimps Expense-Moosebrook PS	10.18
						<u>65.55</u>
5404	7/13/2018	7	United States Treasury	7/11/2018	Form 720 Employee Benefits	19.12
						<u>19.12</u>
5405	7/13/2018	7	UPS	6/30/2018	ship to Telewave Ash Landfill Pump Station	51.94
						<u>51.94</u>
5406	7/20/2018	7	Constellation NewEnergy, Inc.	7/3/2018	Worthley Brook Accrued Power	476.93
						<u>476.93</u>
5407	7/20/2018	7	Gagne & Sons	7/10/2018	10" ring Supplies - Mains - Mnt	55.00
5407	7/20/2018	7	Gagne & Sons	7/10/2018	12" rings Supplies - Mains - Mnt	120.00
5407	7/20/2018	7	Gagne & Sons	7/10/2018	2"&12" rings Supplies - Mains - Mnt	93.00
5407	7/20/2018	7	Gagne & Sons	7/11/2018	8"ring&mortar mix Supplies - Mains - Mnt	56.75

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5407	7/20/2018	7	Gagne & Sons	7/11/2018	10"ring&conseal Supplies - Mains - Mnt	69.76
5407	7/20/2018	7	Gagne & Sons	7/12/2018	6" ring Supplies - Mains - Mnt	41.00
5407	7/20/2018	7	Gagne & Sons	7/12/2018	6",10" rings, mix Supplies - Mains - Mnt	136.50
						<u>572.01</u>
5408	7/20/2018	7	Gilman Electrical Supply	7/18/2018	cplg,blades,ties Expense-Moosebrook PS	167.31
						<u>167.31</u>
5409	7/20/2018	7	K. L. Jack & Co., Inc.	7/3/2018	nuts & screws Ash Landfill Pump Station	55.87
5409	7/20/2018	7	K. L. Jack & Co., Inc.	7/5/2018	core bit Ash Landfill Pump Station	89.60
5409	7/20/2018	7	K. L. Jack & Co., Inc.	7/10/2018	slotted strut Ash Landfill Pump Station	13.90
5409	7/20/2018	7	K. L. Jack & Co., Inc.	7/11/2018	cap nut & hex nuts Ash Landfill Pump Station	24.38
						<u>183.75</u>
5410	7/20/2018	7	Maine Central RR, Treasurer	7/1/2018	3 sewer pipes permit Misc Expense-Mains-Mnt	5.00
						<u>5.00</u>
5411	7/20/2018	7	Maine Municipal Assoc.	7/1/2018	3rd payment Insurance - Workers Comp	1,604.70
						<u>1,604.70</u>
5412	7/20/2018	8	Maine Municipal Emp.Hlth.	7/10/2018	Aug bill Employee Benefits	29.40
5412	7/20/2018	8	Maine Municipal Emp.Hlth.	7/10/2018	Accrued Life Insurance	88.20
5412	7/20/2018	8	Maine Municipal Emp.Hlth.	7/10/2018	Accrued IPP Withheld	239.11
5412	7/20/2018	8	Maine Municipal Emp.Hlth.	7/10/2018	Accrued Dental	515.30

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						<u>872.01</u>
5413	7/20/2018	7	Maine Municipal Association	6/26/2018	casualty ins Pre-Paids	20,693.00
						<u>20,693.00</u>
5414	7/20/2018	7	Portland Plastic Pipe	6/25/2018	flanges,gaskets Ash Landfill Pump Station	831.27
5414	7/20/2018	7	Portland Plastic Pipe	7/12/2018	4" pipe Ash Landfill Pump Station	35.62
						<u>866.89</u>
5415	7/20/2018	6	E.J. Prescott, Inc.	6/21/2018	backing ring Ash Landfill Pump Station	17.75
						<u>17.75</u>
5416	7/20/2018	7	Superior Concrete	6/25/2018	boot,cone,base Airport Sewer Line Project	675.00
5416	7/20/2018	7	Superior Concrete	6/25/2018	boot,base,core,barrel Airport Sewer Line Project	611.00
5416	7/20/2018	7	Superior Concrete	6/25/2018	base,core,base,barrel Airport Sewer Line Project	803.00
5416	7/20/2018	7	Superior Concrete	6/25/2018	boot,barrel,core,base Airport Sewer Line Project	739.00
5416	7/20/2018	7	Superior Concrete	6/25/2018	boot,cone,base,barrel Airport Sewer Line Project	803.00
						<u>3,631.00</u>
5417	7/20/2018	7	UNITIL ME	7/2/2018	natural gas Expense-Green Turtle PS	65.12
						<u>65.12</u>
5418	7/20/2018	7	FW Webb, Inc.	7/2/2018	nuts,washers,rings Ash Landfill Pump Station	33.22
5418	7/20/2018	7	FW Webb, Inc.	7/3/2018	cplg Ash Landfill Pump Station	18.21
						<u>51.43</u>
5419	7/27/2018	7	Andros. Registry Of Deeds	7/25/2018	release liens Lien Release Fees	44.00
						<u>44.00</u>

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<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Description</u>	<u>Amount</u>
5420	7/27/2018	7	Auburn Water District	7/11/2018	June bills A/P - Due to AWD	32,454.51
						<u>32,454.51</u>
5421	7/27/2018	7	Constellation NewEnergy, Inc.	7/10/2018	Lewiston Jct Accrued Power	61.32
5421	7/27/2018	7	Constellation NewEnergy, Inc.	7/10/2018	River Station Accrued Power	373.32
5421	7/27/2018	7	Constellation NewEnergy, Inc.	7/10/2018	Merrow Rd Accrued Power	26.44
5421	7/27/2018	7	Constellation NewEnergy, Inc.	7/11/2018	Moose Brook Accrued Power	392.80
5421	7/27/2018	7	Constellation NewEnergy, Inc.	7/17/2018	Washington St Accrued Power	184.14
						<u>1,038.02</u>
5422	7/27/2018	7	Gagne & Sons	7/18/2018	bags mortar mix Supplies - Mains - Mnt	40.50
5422	7/27/2018	7	Gagne & Sons	7/19/2018	2" & 6" ring Supplies - Mains - Mnt	74.00
						<u>114.50</u>
5423	7/27/2018	7	L.A.W.P.C.A.	7/2/2018	July bill Accrued - LAWPCA	91,766.52
						<u>91,766.52</u>
5424	7/27/2018	7	EIC, Inc. (Prompto)	7/20/2018	oil change Truck #40 (2016 Ford F350)	35.35
						<u>35.35</u>
5425	7/27/2018	7	UPS	7/14/2018	ship radio-Calamp Expense-Moosebrook PS	13.19
						<u>13.19</u>
<u>Grand Total</u>						<u>159,077.93</u>

VENDOR	REF	AWD G/L #	ASD G/L #	Amount
Anthem	July health ins	1142-300	2604-000	\$ 10,111.20
Anthem	July health ins	1142-300	2241-070	\$ 1,784.33
Auburn Water District	Group Dynamic HRA debits	1142-300	2604-000	\$ 1,326.98
Auburn Water District	shared employees benefit allocation	1604-000	2604-000	\$ 974.91
Auburn Water District	shared employees wage allocation	1685-000	2601-600	\$ 2,166.47
Auburn Water District	petty cash- locator batteries	1142-300	2677-000	\$ 3.69
Auburn Water District	petty cash- office supplies	1142-300	2675-800	\$ 103.57
Auburn Water District	petty cash- shop supplies	1142-300	2675-500	\$ 5.00
Auburn Water District	additional costs Nash property	1142-300	2105-916	\$ 4,280.00
Auburn Water District	GIS equipment - ASD share	1142-300	2347-500	\$ 3,507.50
Beltone Answering Service	answering service	1142-300	2675-800	\$ 39.50
Beltone Answering Service	answering service - panic buttons	1142-300	2675-800	\$ 4.98
Beltone Answering Service	answering service -Aug	1142-300	2675-800	\$ 37.50
Beltone Answering Service	answering service - panic buttons -Aug	1142-300	2675-800	\$ 4.98
Bisson Enterprises, Inc.	office cleaning June	1142-300	2675-500	\$ 282.50
Bisson Enterprises, Inc.	office cleaning -July	1142-300	2675-500	\$ 282.50
Budget Enterprises	copier 3 month maintenance, use	1142-300	2675-800	\$ 153.84
Central Maine Power	power @ 268 Court Street	1142-300	2615-500	\$ 180.83
Central Maine Power	power @ 268 Court Street	1142-300	2615-800	\$ 90.42
Computer Place	video card	1142-300	2620-800	\$ 30.00
Computer Place	adapter-Scada	1142-300	2675-600	\$ 3.00
Constellation NewEnergy	energy charge @ 268 Court Street	1142-300	2615-500	\$ 233.09
Constellation NewEnergy	energy charge @ 268 Court Street	1142-300	2615-800	\$ 116.54
Dickie Tool co	road closed signs	1142-300	2620-550	\$ 98.54
Dig Safe System, Inc.	monthly bill	1142-300	2675-600	\$ 345.34
Fastenal	batteries	1142-300	2620-500	\$ 44.47
Fastenal	adhesive & batteries	1142-300	2620-500	\$ 66.16
Fastenal	safety glasses& gloves	1142-300	2620-550	\$ 47.80
FirstLight	telephone service -July	1142-300	2676-800	\$ 174.49
Gilman	parking lot light	1142-300	2620-500	\$ 52.79
Goodman Wiper	rags	1142-300	2620-500	\$ 73.75
Great American Financial	Konica Digital Copier - lease -July	1142-300	2675-800	\$ 107.61
Hazelton, Sid	July mileage	1142-300	2675-500	\$ 175.00
Home Depot	safety glasses	1142-300	2620-550	\$ 39.88
Home Depot	batteries, foam	1142-300	2620-500	\$ 77.09
Human Resource Partners	employee salary study	1142-300	2604-000	\$ 1,550.00
KL Jack	lock nuts	1142-300	2677-000	\$ 3.83
City of Lewiston	wages and benes - Dan Rodrigue -June	1142-300	2601-600	\$ 1,609.92
City of Lewiston	wages and benes - Dan Rodrigue -June	1142-300	2604-000	\$ 274.41
City of Lewiston	wages and benes - Dan Rodrigue -June	1142-300	2658-000	\$ 93.27
Maine State Retirement System	retirement contribution - health-July	1142-300	2604-000	\$ 18.99
Maine State Retirement System	retirement contribution - life-July	1142-300	2241-030	\$ 28.14
Maine Water Company	accounting services - Greg Leighton	1142-300	2632-800	\$ 1,312.50
Newark Element	battery, light - truck #37	1142-300	2650-124	\$ 18.67
WB Mason	USB drivers, highlighters	1142-300	2620-800	\$ 61.72
WB Mason	tissues, multifold towels	1142-300	2620-500	\$ 36.09
WB Mason	return defective trash bags	1142-300	2620-500	\$ (23.05)
WB Mason	trustee book pages	1142-300	2620-800	\$ 36.00
WB Mason	garbage bags	1142-300	2620-500	\$ 35.65
Napa	grease-shop	1142-300	2620-500	\$ 41.85
Napa	respirators	1142-300	2620-550	\$ 60.30
Ness Oil	gas and diesel tk#37	1142-300	2650-124	\$ 633.33
Ness Oil	gas and diesel -cans	1142-300	2620-500	\$ 149.44
Ness Oil	gas and diesel tk#35	1142-300	2650-123	\$ 857.36
Ness Oil	gas and diesel tk#40	1142-300	2650-125	\$ 61.67
Northern Data Systems	customer billing	1142-300	2675-700	\$ 1,148.27
Pine Tree Waste	bulk waste	1142-300	2675-500	\$ 81.88
Selco	faucet	1142-300	2620-500	\$ 27.60
CH Stevenson	cold patch	1142-300	2620-600	\$ 1,503.18
Super Shoes	Andy clothing allowance	1142-300	2604-000	\$ 60.28
U.S. Cellular	cell phones	1142-300	2676-500	\$ 297.51
Univ of Me-Augusta	Tanya class	1142-300	2675-800	\$ 417.38
Unitil	268 Court St - June gas	1142-300	2620-500	\$ 90.58
Unitil	268 Court Street - July	1142-300	2620-500	\$ 89.83
United Way	employee contributions- June	1142-300	2241-000	\$ 24.00
United Way	employee contributions-July	1142-300	2241-000	\$ 30.00
Unum	July life insurance	1142-300	2604-000	\$ 71.04
Work Med	pre-placement exam	1142-300	2675-600	\$ 129.50
Zep	cleaner, hand soap	1142-300	2620-500	\$ 134.51

\$ 37,991.90

AUBURN SEWERAGE DISTRICT

MONTHLY ACTIVITY REPORT

July 2018

MAINS

Location	Hrs	Comments	OK	Plug	Main.	Misc.	New
Airport Gravity Sewer Main	9	New main installation					1
Lake Street	52	Cleaned mains			1		
Brookside	45	Cleaned mains			1		
Morse Street	10	Cleaned Mains			1		
Harvard Street	10	Cleaned mains			1		
Troy Street	10	Investigate sink hole	1				
Allen Ave	10	Cleaned mains			1		
Sunset Ave	10	Cleaned mains			1		
Sherman Ave	15	Cleaned mains			1		
Windmere & Weatherly Place	12	Cleaned mains			1		
Monthly Totals	10		1	0	8	0	1
2017 Monthly Totals	16		3	1	8	0	4
YTD Totals	49		9	0	32	2	6
2017 YTD Totals	23		11	5	51	2	7

MANHOLES

Location	Hrs	Comments	OK	Cover	Misc.	Frame & Cover	New
Lake Street	143	Raise manholes to finish grade					1
Seventh Street	1	New manhole installed					1
82 Gillander	1	paved manhole			1		
Monthly Totals	3		0	0	1	0	2
2017 Monthly Totals	14		1	0	5	8	0
YTD Totals	41		3	0	6	25	7
2017 YTD Totals	12		6	2	17	17	22

SERVICES

Location	Ck'd	Comments	New	OK	Misc.	on owner
3rd Street	1	Investigated sink hole				1
Rochelle	1	investigated sink hole, needs video inspect			1	
Sherman Ave	1	Sewer upset inside residence, cleanup		1		
Allen Ave	1	Sewer upset inside residence, cleanup		1		
52 High Street	1	Back-up				1
38 Union	1	Back-up				1
55 Evergreen	1	Back-up				1
Monthly Totals	7		0	2	1	4
2017 Monthly Totals	5		0	0	0	5
YTD Totals	23		0	9	1	13
2017 YTD Totals	2		1	5	2	20

LIFT STATIONS

Location	Hrs.	Comments
Ash Landfill / Moose Brook	1	install flow meter
Ash Landfill / Moose Brook	1	PLC upgrades
Ash Landfill PS	1	Station Start-up
Green Turtle	1	Pump 1 plugged
Green Turtle	1	Cleaned Wet well
W-2	1	pump fault, cleared brush around station
Moose Brook	1	Radio antenna upgrade
E-2	1	Power failure
Washington Street	1	Wet well alarms, cleaned wet well, grease!
E-1 Generator	1	Marked out new location, met with property owner
Monthly Totals	10	
2017 Monthly Totals	9	
YTD Totals	114	
2017 YTD Totals	44	

OVERFLOWS

Item	Comments
Monthly Totals	
YTD Totals	1

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									
September									
October									
November									
December									
YTD Totals	74.5	19.8							
2017 YTD Totals	83.7	21.51							

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												
September												
October												
November												
December												
YTD Totals	763	384	6	78	1	3	0	46	133	2	101	9
2017 Totals	660	326	4	121	0	0	4	39	107	13	35	12

DUTY FOREMAN CALLS

(Overtime)

Districts	Total	High/Low Pressure	Water Quality	Alarms	Sewer Service	Leak	Misc.	Locates	Hydrants	Meter	Fire Calls
Sewerage District	3			1	0	0	1	1	0	0	0
Water District	3	0	0	1		1	1	0	0	0	0
Monthly Totals	6	0	0	2	0	1	2	1	0	0	0
2017 Monthly Totals	4	0	0	3	0	0	0	1	0	0	0
YTD Totals	52	0	0	15	2	13	3	9	2	4	4
2017 YTD Totals	35	0	1	16	3	5	6	3	0	0	1

OTHER ACTIVITIES

1. Frank Harris orientation
2. Air monitor calibration
3. Monitor Miller Street CSO
4. Check all signage at CSO Structures
5. Replace rear tires on Vactor Truck, Sticker

Lewiston - Auburn Water Pollution Control Authority											
Monthly Cost Apportionment Summary											
Cost Apportionment Summary - First Half of 2018											
Month	Lewiston Sewer Division Initial %	Lewiston Sewer Division Initial \$	Op Data %	Op Data \$	Difference \$	Initial %	Initial \$	Auburn Sewerage District Op Data %	Op Data \$	Difference \$	TBP 8/6/2018
January	62.00%	\$149,724.29	61.68%	\$148,951.52	\$772.77	0.0	\$91,766.50	38.32%	\$92,539.27	(\$772.77)	0.0
February	62.00%	\$149,724.29	60.79%	\$146,802.25	\$2,922.04	0.0	\$91,766.50	39.21%	\$94,688.54	(\$2,922.04)	0.0
March	62.00%	\$149,724.29	63.20%	\$152,622.18	(\$2,897.89)	0.0	\$91,766.50	36.80%	\$88,868.61	\$2,897.89	0.0
April	62.00%	\$149,724.29	63.07%	\$152,308.24	(\$2,583.95)	0.0	\$91,766.50	36.93%	\$89,182.55	\$2,583.95	0.0
May	62.00%	\$149,724.29	59.61%	\$143,952.66	\$5,771.63	0.0	\$91,766.50	40.39%	\$97,538.13	(\$5,771.63)	0.0
June	62.00%	\$149,724.29	60.67%	\$146,512.46	\$3,211.83	0.0	\$91,766.50	39.33%	\$94,978.33	(\$3,211.83)	0.0
Six Month Adjustment			61.50%		\$7,196.43			38.50%		(\$7,196.43)	0.0
Cost Apportionment Summary - Second Half of 2018											
Month	Lewiston Sewer Division Initial %	Lewiston Sewer Division Initial \$	Op Data %	Op Data \$	Difference \$	Initial %	Initial \$	Auburn Sewerage District Op Data %	Op Data \$	Difference \$	
July	62.00%	\$149,724.29	62.91%	\$151,921.86	(\$2,197.57)	0.0	\$91,766.50	37.09%	\$89,568.93	\$2,197.57	0.0
August	62.00%	\$149,724.29	61.89%	\$149,458.65	\$265.64	0.0	\$91,766.50	38.11%	\$92,032.14	(\$265.64)	0.0
September	62.00%	\$149,724.29	61.83%	\$149,313.76	\$410.53	0.0	\$91,766.50	38.17%	\$92,177.03	(\$410.53)	0.0
October	62.00%	\$149,724.29	64.84%	\$156,582.63	(\$6,858.34)	0.0	\$91,766.50	35.16%	\$84,908.16	\$6,858.34	0.0
November	62.00%	\$149,724.29	61.78%	\$149,193.01	\$531.28	0.0	\$91,766.50	38.22%	\$92,297.78	(\$531.28)	0.0
December	62.00%	\$149,724.29	61.83%	\$149,313.76	\$410.53	0.0	\$91,766.50	38.17%	\$92,177.03	(\$410.53)	0.0
Six Month Total Adj			62.51%		(\$7,437.92)			37.49%		\$7,437.92	0.0
Average to date			61.704%					38.296%			0.0
Adjustments to date					\$4,998.86					(\$4,998.86)	0.0
Average / Adjustments year end			62.01%		(\$241.49)			37.99%		\$241.49	0.0

Note: data in smaller and italicized font are or include 2017 numbers, and are included for comparison purposes.

Task Order No. 1

COMBINED SEWER OVERFLOW MASTER PLAN UPDATE AND IMPLEMENTATION SCHEDULE

In accordance with
Agreement
For
On Call Engineering Services
Dated June 19, 2018
By and Between
Tighe & Bond, Inc.
and
City of Lewiston, Maine

1. Scope of Work:

Background

In May 2000, the City of Lewiston (City), Lewiston-Auburn Water Pollution Control Authority (LAWPCA) and Auburn Sewerage District (ASD) finalized negotiations with the Maine Department of Environmental Protection (Maine DEP) to proceed with the recommendations made in the Clean Water Act Master Plan (CWAMP) to reduce combined sewer overflows (CSO). The plan included a fifteen-year capital improvement plan and a requirement to provide updates on the progress made at five-year intervals during the implementation period. Updates to the report were submitted in 2005, 2010, and 2015.

The first CWAMP Five-Year Update for Lewiston, LAWPCA, and ASD was submitted and commented on by the Maine DEP in 2005. Maine DEP provided final approval of the plan and amendment including the provision for Lewiston to modify the separation approach for the CSO 004, 012, 015 and 021 basins to storage.

In 2008, the consent agreement with LAWPCA was amended. In the correspondence, it was stated that "the goal of the amendment was to close out the consent agreement and move the focus of controlling storm flows at LAWPCA to the CSO Master Plan." The Consent Agreement committed LAWPCA to include an assessment of primary treatment needs at the treatment plant in the second 5-year update to the Master Plan.

The 2010 CSO Master Plan Update for Lewiston, LAWPCA, and ASD was submitted in June of 2010, and was commented on by the Maine DEP in 2013. Maine DEP provided final approval of the plan in their 2013 correspondence and requested a Scope of Work for the Master Plan 2015 Five-Year update by January 1, 2015.

The 2015 CSO Master Plan Update, submitted in July 2015, documented the effectiveness of the CSO abatement improvements to date, identified and documented the specifics of the existing combined and separated collection systems, and established an approach to addressing the remaining CSOs and their impacts to the Androscoggin River, Goff Brook, and Jepson Brook. In January 2016, Maine DEP provided an official approval of the 2015 Update and implementation schedule.

In November 2015, Maine DEP issued the Maine Pollution Discharge Elimination System (MEPDES) Permit #ME0100994 and Maine Waste Discharge License (WDL) renewal for the City of Lewiston. As stated in the permit:

“The permittee shall continue to work with the Auburn Sewerage District and the Lewiston-Auburn Water Pollution Control Authority (LAWPCA) to implement CSO control projects in accordance with the most currently approved CSO Master Plan and implementation schedule in a document entitled City of Lewiston, Maine, Auburn Sewerage District, and Lewiston Auburn Water Pollution Control Authority (LAWPCA), Clean Water Act Master Plan Fifteen Year Update, July 2015.

By June 30, 2019, (PCS Code 06699) the permittee shall submit to the Department for review and approval an Updated CSO Master Plan and implementation schedule.”

In April 2016, Maine DEP issued the Maine Pollution Discharge Elimination System (MEPDES) Permit #ME0101478 and Maine Waste Discharge License (WDL) renewal for LAWPCA requiring that an Updated CSO Master Plan be submitted by December 31, 2019.

In September 2016, Maine DEP issued the Maine Pollution Discharge Elimination System (MEPDES) Permit #ME0100005 and Maine Waste Discharge License (WDL) renewal for Auburn Sewerage District requiring that an Updated CSO Master Plan be submitted by December 31, 2019.

The scope of work detailed herein is intended to be a comprehensive study integrating several objectives that will ultimately provide the City of Lewiston, LAWPCA, and ASD with an Updated CSO Master Plan and Implementation Schedule. The plan will recommend appropriate, cost-effective solutions that maximize benefits to the receiving waters by reducing CSO volume.

Task 1 Lewiston Flow Metering, SWMM Modeling and Analyses

An important part of the CSO Master Plan Update will be evaluating the performance of storage facilities constructed and sewer separation work completed since the last model update. Through this evaluation, we plan to estimate the quantity of stormwater flow that has successfully been removed from the system.

Task 1 will include the following major sub-tasks:

- 1.1 Flow metering and data collection
- 1.2 Hydraulic model calibration update
- 1.3 CSO Master Plan alternatives analysis

Task 1.1 Flow Metering Program

Tighe & Bond will first develop a flow metering plan for review with the city. Tighe & Bond will coordinate with the flow metering subcontractor, Flow Assessment Services, who will manage the installation, data collection, and maintenance of twelve area velocity flow meters for one 12-week period (approximately September through November 2018) in Lewiston’s collection system. Note that for specific metering locations where backwater impacts are a concern, we will discuss with the flow metering subcontractor how to best collect data. These data will be complemented by data from Lewiston’s ongoing monitoring programs, as well as data from the LAWPCA Wastewater Treatment Plant (WWTP), Structure B, and the existing storage facilities. This scope of work assumes that we will also collect data during this time period from two rain gauges located in Lewiston that will also be provided by our flow metering subcontractor.

Task 1.2 Hydraulic Model Calibration Update

Concurrently with coordinating the flow metering effort, Tighe & Bond will run the existing collection system model with the 2017 data and compare it to the recent output file provided by the City of Lewiston. We will troubleshoot any differences in the output files as necessary.

Next we envision that we will simplify the model by consolidating a number of the smaller sub-drainage areas into larger drainage areas. We will then re-run the model and compare it to the original 2017 model output. We will utilize the City's GIS system to correctly identify the drainage area sizes.

We will provide a progress report to Lewiston, LAWPCA, and ASD documenting the above model runs.

Next, we will calibrate the new model. First, we will create rainfall entry files for each selected design storm and then will calibrate the model to the rain and flow data collected during the flow metering period. The predicted CSO discharges for 2017 will be compared to actual CSO discharges in 2017 using the City's reporting data.

Tighe & Bond anticipates running the newly calibrated model for three design storms: the 1-year, 2-year, and 5-year synthetic design storms to consider the range and magnitude of CSO.

The existing modeled diversion structures will be utilized unless these regulators have been significantly changed since the last modeling effort. Additionally, the existing groundwater simulations in the model developed as part of a prior Jepson Brook Capacity Assessment be maintained within the model.

The CSO Master Plan Update report will document model development, calibration and verification.

Task 1.3 CSO Master Plan Alternatives Analysis

This task will utilize the model to evaluate various alternatives for abatement of the City's remaining CSOs. Tighe & Bond will use the calibrated computer model to assess baseline conditions and inform schedule and scope development for the updated CSO Master Plan. The model will be used to evaluate storage, treatment, and sewer separation, green infrastructure and real-time control alternatives that achieve specified levels of CSO control. The focus will be on the 1-year design storm used to date for alternatives development and analysis, but we will also consider the CSO discharges for alternatives that control CSOs that occur during the 2-year and 5-year design storms. We will also develop a conceptual-level opinion of probable construction cost for each alternative.

Findings from the analyses will be used to develop the draft CSO Master Plan Update and Implementation Schedule to be submitted to the Maine DEP in June 2019.

Task 2 Review and Assess CSO Related Information

Task 2.1 Data Collection/Review

Review the following materials:

- 2000 Clean Water Act Master Plan including project summaries for ASD, Lewiston and LAWPCA
- 2005, 2010 and 2015 CSO Master Plan Updates

- Annual CSO progress reports for 2000 through 2018 for ASD, Lewiston and LAWPCA
- LAWPCA wastewater treatment plant evaluation reports
- Correspondence with the Maine DEP
- City of Lewiston GIS data

Task 2.2 Review Progress in the Collection Systems

Review the following information through discussions with Lewiston and ASD:

- Sewer separation capital projects completed, on-going and planned
- SSES and Infiltration and Inflow studies for Lewiston and ASD
- Private inflow removal projects
- CSO flow monitoring and overflow volumes
- Evaluate current level of control at remaining CSO discharge points
- Annual expenditures and anticipated available future funding for CSO program
- Nine minimum controls
- CMOM work in the system

Task 2.3 Review of Progress at LAWPCA

Review the following information through discussions with LAWPCA staff:

- CSO flow monitoring data at Structure B
- Wet weather WWTP hydraulic and treatment capacities with recent treatment improvements
- Capital improvements achieved and planned
- Evaluate current level of control at Structure B based on actual flow data and as part of the Lewiston SWMM modeling effort
- Evaluate LAWPCA wet weather treatment and storage options with a focus on the hydraulics at Structure B. This task will consider several options to minimize the occurrence of CSOs at Structure B

Task 3 CSO Master Plan Update and Implementation Schedule Report

Review and consolidate information into a report including:

- Develop a presentation of the Lewiston, ASD and LAWPCA CSO abatement achievements from 2015 through 2018.
- Identify and evaluate alternatives and propose a schedule for implementing the preferred alternatives to address the remaining CSOs. Develop a presentation of the proposed implementation plan for years 2020 through 2025.
- Submit draft report to Lewiston, ASD and LAWPCA for review. The draft report will include a comprehensive executive summary that details progress to date including updates to the Lewiston and Auburn collection systems, updates to the wastewater treatment facility and regulatory changes that have taken place since this project began.
- Revise draft and submit to Maine DEP for review.

- Review comments and finalize the CSO Master Plan Update and Implementation Schedule.
- Provide 5 printed copies of the final report.

Task 4 Project Management

- Track progress and prepare monthly status reports with invoicing.
- Attend up to 4 meetings with the City to discuss progress and coordinate with Maine DEP.

2. Time Schedule:

A draft CSO Master Plan Update and Implementation Schedule will be submitted to Maine DEP by June 30, 2019.

3. Compensation

Services shall be provided on an hourly plus expense basis with a budget allocation of \$229,500. Invoicing will be in accordance with the terms of the Agreement.

4. Task Order Project Manager / Contact

Daniel Bisson, P.E.
177 Corporate Drive
Portsmouth, NH 03801
dbisson@tighebond.com
207.232.6071

Accepted by:

CITY OF LEWISTON

Edward A. Barrett
City Administrator

Date

Purchase Order

TIGHE & BOND, INC.

Peter J. Grabowski, P.E.
Vice President

Date

Lewiston, Maine
CSO Master Plan Update and Implementation Schedule

Task	Level of Effort (hrs.)										Total Hours	Labor Cost	Reimbursables	Outside Professionals	Total	
	Principal / Technical Advisor	Project Manager	Modeling Technical Lead	Project Engineer	Staff Engineer	GIS Analyst	Designer / Drafter	Admin. Support	Designer / Drafter	Staff Engineer						
Task 1 - Lewiston Flow Metering, SWMM Modeling and Analyses																
1.1 Flow Metering																
1.1a Preliminary Model Validation	2	2	12		40					20		2			\$ 71,500	\$ 78,700
1.2a Model Calibration	4	8	58	16	132	8	8					4		50	\$ 19,050	\$ 19,100
1.3 CSO Alternatives Analysis	6	28	76	32	111	10						6		385	\$ 30,615	\$ 31,000
Subtotal	14	42	186	60	347	38	8	6	701				935	\$ 94,365	\$ 71,500	\$ 166,800
Task 2 Review and Assess CSO Related Information																
2.1 Review Existing Information, Update Report on Collection System		2			24											\$ 2,900
2.2 Review progress with CSO abatement work in the collection system last 5 yrs		2			24											\$ 2,900
2.3 Review progress at LAWPCA in last 5 yrs	2	8			24										\$ 4,400	\$ 4,400
Subtotal	2	12	0	0	72	0	0	0	86					\$ 10,200	\$ -	\$ 10,200
Task 3 CSO Master Plan Update and Implementation Report																
Prepare presentations and report	4	16	32	0	80	16	12	0	160						\$ 21,000	\$ 21,000
Subtotal	4	16	32	0	80	16	12	0	160					\$ 21,000	\$ -	\$ 21,000
Task 4 Project Management																
Progress reports, invoicing, client meetings	8	124	16	0	16	0	0	4	168						\$ 30,330	\$ 31,500
Subtotal	8	124	16	0	16	0	0	4	168					\$ 30,330	\$ 1,170	\$ 31,500
TOTALS	28	194	234	60	515	54	20	10	1115				\$ 2,105	\$ 155,895	\$ 71,500	\$ 229,500

Task	TOTAL		Estimated Hours		%	
	LeW	Aub	LeW	Aub	LeW	Aub
Task 1: Lewiston Flow Metering (Fall and Spring)						
1.1 Planning and Implementation of Metering Program	50	0	50	0	100.0%	0.0%
1.2 Supplemental Data Collection	50	0	40	0	80.0%	0.0%
1.3 Data Review	50	0	40	0	80.0%	0.0%
Task 2: Hydraulic Model Calibration Update (Fall and Spring)						
2.1 Hydraulic Model Calibration (fall)	275	0	235	0	85.5%	0.0%
2.2 Hydraulic Model Calibration (spring)	112	0	90	0	80.4%	0.0%
Task 3: Negotiation With DEP, Project M and Meetings						
3.1 Negotiation with DEP	40	12	16	12	40.0%	30.0%
3.2 Project Management	40	4	32	4	80.0%	10.0%
3.3 Meetings	40	13	14	13	35.0%	32.5%
Task 4: CSO Master Plan Scenarios Update						
4.1 ID and represent planned development and population projection	31	4	23	4	74.2%	12.9%
4.2 Simulate average annual CSO and design storms	31	5	21	5	67.7%	16.1%
4.3 Identify alternative analyses and conduct evaluations	31	0	31	0	100.0%	0.0%
4.4 Simulate preliminary planning scenarios for CSO master plan	32	0	32	0	100.0%	0.0%
4.5 Prepare CSO Master Plan Model update	31	5	21	5	67.7%	16.1%
Task 5: Review and Assess CSO Related Info						
5.1 Data Collection / Review	16	4	8	4	50.0%	25.0%
5.2 Review Progress in Collection Systems (Lewiston)	19	0	19	0	100.0%	0.0%
5.2 Review Progress in Collection Systems (Auburn)	19	0	0	19	0.0%	100.0%
5.3 Review Progress at LAW/PCA	16	0	0	16	0.0%	100.0%
Task 6: CSO CWAMP Update Report						
6.1 present. of abatement achievements 2009 through 2014.	24	8	8	8	33.3%	33.3%
6.2 Id and evaluate alternatives and propose schedule	24	4	16	4	66.7%	16.7%
6.4 Submit Draft Report	90	20	50	20	55.6%	22.2%
6.5 Revise Draft	20	6	8	6	40.0%	30.0%
6.6 Finalize	20	6	8	6	40.0%	30.0%
Task 7: Project Management and Meetings						
7.1 Project Management	19.4	2	15.4	2	79.4%	10.3%
7.2 Meetings	8	2.5	3	2.5	37.5%	31.3%
Task 8: Recalibration						
8.1 Recalibration	49.5	8	34.5	8	69.7%	15.2%
8.2 Report	42	7	28	7	66.7%	16.7%
TOTAL	1179.9	129	842.9	208	71.4%	10.9%
Total \$ for Tasks 1,2,3,4, 5, 6, 7 and 8 (not subcontractors) \$	163,000	\$ 17,821	\$ 116,444	\$ 28,735	71.4%	10.9%
Total \$ for Tasks 1,2,3,4, 5, 6, 7 and 8 (with subcontractors) \$	215,000	\$ 17,821	\$ 168,444	\$ 28,735	78.3%	8.3%
Total Hours for Tasks 1,2,3,4, 5, 6, 7 and 8	1179.9	129	843	208	71.4%	10.9%