

**HAMPDEN ENVIRONMENTAL TRUST  
COMMITTEE MEETING**

**Thursday May 10<sup>th</sup>, 2018**

**2 P.M.**

**HAMPDEN TOWN OFFICE**

**A G E N D A**

1. Call to Order
2. Approval of Meeting Minutes – December 12, 2017
3. Review of financial statements from Institutional Trustee (Bangor Savings Bank)
4. Review of proposed FY18 costs for reimbursement or payment from Environmental Trust, Principal
  - a. General Fund (Host Community Benefit) payments for landfill post-closure monitoring totaling \$490.00 since November 30, 2017
5. Review of proposed FY18 costs for reimbursement or payment from Environmental Trust, Income
  - a. General Fund payments for Stormwater Management totaling \$34,156.24 since November 30, 2017
6. Review of citizen and consultant correspondence related to landfill
7. Review of 2017 Annual Report for the Pine Tree Landfill
8. Confirm objectives for proposed informational meeting and landfill tour, with Casella and Drumlin LLC, and set date and time for May or June 2018
9. Town Manager presentation of proposed FY19 budget related to Environmental Trust, including discussion of potential projects for full or partial reimbursement from the Trust, including but not limited to drainage improvements on Schoolhouse Lane
10. Set date for next meeting
11. Adjourn

**HAMPDEN ENVIRONMENTAL TRUST  
COMMITTEE MEETING**

**Tuesday December 12<sup>th</sup>, 2017**

**2 P.M.**

**HAMPDEN TOWN OFFICE**

**MINUTES – DRAFT**

Attending:

*Ken White, Chair*

*Councilor Ivan McPike, Committee Member*

*Kerry Woodbury, Committee Member*

*Angus Jennings, Town Manager*

*Jessica Albee, Office Clerk*

*Hampden Resident, Bill Lippincott*

**1. Call to Order**

Chairman White called the meeting to order at 1:59 PM

**2. Approval of Meeting Minutes – September 12, 2017**

It was moved and seconded that the revised Meeting Minutes from September 12, 2017 be approved. Approved by unanimous consent (2-0) at 2:01 PM

**3. Review of financial statements from Institutional Trustee (Bangor Savings Bank)**

No questions or comments were made on the financial statements. However, it was mentioned that nobody was receiving the statements by email so Manager Jennings followed up on this with Bangor Savings Bank and everyone should be receiving statements by email going forward.

- 4. Review of proposed FY18 costs for reimbursement or payment from Environmental Trust, Principal**
- a. General Fund payments for landfill post-closure monitoring totaling \$4,036.00 from Sept. 7 to Nov. 30, 2017**

Councilor Ivan McPike made the motion to approve paying \$4,036.00 out of the Environmental Trust Principal account, and Committee member Kerry Woodbury seconded the motion. All in favor was yes at 2:03 PM.

**5. Review of proposed FY18 costs for reimbursement or payment from Environmental Trust, Income**  
**a. General Fund payments for Stormwater Management totaling \$1,275.95 from Sept. 7 to Nov. 30, 2017**

Councilor Ivan McPike made the motion to approve paying the \$1,275.95 out of the Environmental Trust Income account, and Committee member Kerry Woodbury seconded the motion. All in favor was yes at 2:05 PM

**6. Review of citizen and consultant correspondence related to landfill.**

Manager Jennings received feedback from Drumlin on 12/11/17 in response to Hampden Resident Bill Lippincott's questions. Chairman White asked if the responses were adequate. There was concern at how long it took to receive the correspondence back from drumlin and what was received caused more questions than answers. It was later agreed to refer questions directly to the Consultant Matt rather than trying to field the questions in the Environmental Trust meetings. Committee Member Kerry Woodbury stated that the Environmental Trust Committee is for the financial side. It was agreed that the Environmental Trust Committee isn't the right place to discuss the progress of the Landfill or to answer more in depth questions. The Environmental Trust Committee members wanted to refrain from answering any of these in-depth questions in fear that anything be misinterpreted or unintentionally give out the incorrect information.

**7. Review of DEP correspondence regarding Hampden Stormwater Plan, Year 4 Annual Report.**

Manager Jennings mentioned that this is just informational. It demonstrates the hoops we have to jump through, and the documentation, and micromanaging that is involved with making sure we receive a high rating on the DEP Annual report. The towns rating received high marks last June mostly in part because of our Public Works Director Sean Currier, Planner Karen Cullen, Gis/It Coordinator Kyle Severance, Code Enforcer Myles Block and Manager Jennings.

**8. Set date for next quarterly meeting**

It was confirmed that the next quarterly meeting of the Environmental Trust will be on April 12<sup>th</sup> at 2 PM.

**9. Adjourn**

It was moved and seconded that the Environmental Trust meeting adjourn. Approved by unanimous consent at 3:00 PM.

*Respectfully submitted,  
Jessica Albee, Office Clerk*



Wealth Management

P.O. Box 930, Bangor, ME 04402

Relationship Officer: Suzanne T. Moffatt  
Phone Number: 207-990-6468  
Email: suzanne.moffatt@bangor.com

Investment Officer: Robert M. Cyr  
Phone Number: 207-541-2786  
Email: robert.cyr@bangor.com

**Cover Page Section**

**Statement of Value and Activity**

February 1, 2018 - February 28, 2018

Hampden Environ REV Trust 1/19/1993  
440053015

Town of Hampden  
RECEIVED  
MAR 13 2018  
Office of the  
Town Manager

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0005009 - 0500473

**Hampden Environmental Trust**  
c/o Angus Jennings  
106 Western Ave  
Hampden ME 04444

## Account Summary

### Statement of Value and Activity

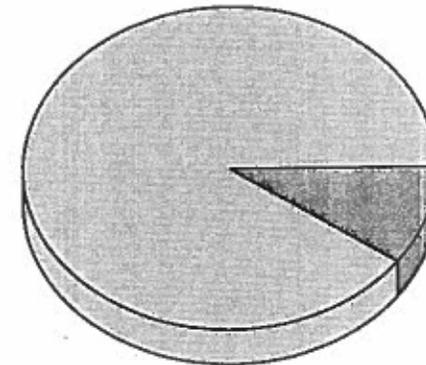
February 1, 2018 - February 28, 2018

#### Market Value Reconciliation

	<i>This Period</i>	<i>1/1/18 to 2/28/18</i>
<b>Beginning Market Value</b>	<b>\$2,767,692.66</b>	<b>\$2,787,969.61</b>
Additions	\$0.00	\$0.00
Distributions	-\$1,711.31	-\$3,476.63
Income	\$1,711.31	\$3,476.63
Non Cash Asset Changes	\$0.00	\$0.00
Change in Market Value	-\$7,298.35	-\$27,575.30
<b>Ending Market Value</b>	<b>\$2,760,394.31</b>	<b>\$2,760,394.31</b>
Realized Gains/Losses	\$0.00	\$0.00

#### Asset Allocation Summary

	<i>Asset Class</i>	<i>Balance</i>
90%	Fixed Income	\$2,486,026.45
10%	Cash and Equivalents	\$274,367.86
<b>100%</b>	<b>Total Assets Value</b>	<b>\$2,760,394.31</b>





Wealth Management

P.O. Box 930, Bangor, ME 04402

Relationship Officer: Suzanne T. Moffatt  
Phone Number: 207-990-6468  
Email: suzanne.moffatt@bangor.com

Investment Officer: Robert M. Cyr  
Phone Number: 207-541-2786  
Email: robert.cyr@bangor.com

**Cover Page Section**

**Statement of Value and Activity**

February 1, 2018 - February 28, 2018

Hampden Environ Rev-Income 1/19/1993  
420036014

Town of Hampden  
RECEIVED

MAR 13 2018

Office of the  
Town Manager

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<b>Pending Trades</b>	<b>9</b>

0005003 - 0500473

Hampden Environmental Trust  
c/o Angus Jennings  
106 Western Ave  
Hampden ME 04444-1436



Wealth Management

P.O. Box 930, Bangor, ME 04402

**Account Summary**

**Statement of Value and Activity**

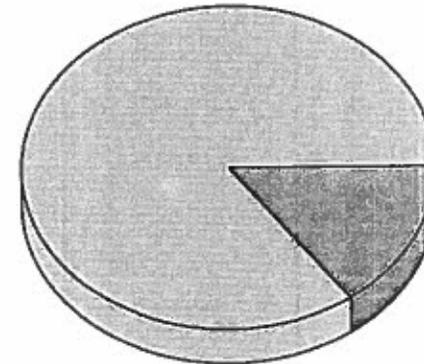
February 1, 2018 - February 28, 2018

**Market Value Reconciliation**

	<i>This Period</i>	<i>1/1/18 to 2/28/18</i>
<b>Beginning Market Value</b>	<b>\$923,331.76</b>	<b>\$926,384.70</b>
Additions	\$0.00	\$0.00
Distributions	\$1,711.31	\$3,476.63
Income	\$377.32	\$487.81
Non Cash Asset Changes	\$0.00	\$0.00
Change in Market Value	-\$1,614.40	-\$6,543.15
<b>Ending Market Value</b>	<b>\$923,805.99</b>	<b>\$923,805.99</b>
Realized Gains/Losses	\$0.00	\$0.00

**Asset Allocation Summary**

	<i>Asset Class</i>	<i>Balance</i>
85%	Fixed Income	\$784,041.65
15%	Cash and Equivalents	\$139,764.34
<b>100%</b>	<b>Total Assets Value</b>	<b>\$923,805.99</b>



0005004-0500473

**Eligible Costs Incurred, Proposed for Environmental Trust Reimbursement**

Date	Paid	Vendor	Purpose	Expense	Category of Stormwater Management Cost					Source of Proposed Reimbursement			Date to Env. Trust
					Maintenance	Compliance Documentation	Supplies	Contracted Services	Training/Travel	Principal	Income	Receipt	
07/01/17	08/16/17	Bangor Area Stormwater Group	2017-18 membership dues	\$ 4,000.00		\$ 4,000.00					\$ 4,000.00	Y	9/12/2017
06/14/17	07/19/17	National Stormwater Center	Training fees for 2 employees to attend 2-day training	\$ 1,548.00				\$ 1,548.00			\$ 1,548.00	Y	9/12/2017
07/12/17	08/02/17	E.J. Prescott	Pipe/materials for culverts	\$ 180.00	\$ 180.00						\$ 180.00	Y	9/12/2017
07/19/17	08/09/17	E.J. Prescott	MDOT blanket	\$ 720.00		\$ 720.00					\$ 720.00	Y	9/12/2017
07/21/17	08/09/17	Whitmore Contracting Inc.	Griffin Ave culvert replacement	\$ 4,185.00			\$ 4,185.00				\$ 4,185.00	Y	9/12/2017
07/21/17	08/09/17	E.J. Prescott	MDOT blanket	\$ 540.00		\$ 540.00					\$ 540.00	Y	9/12/2017
08/15/17	09/13/17	E.J. Prescott	Materials for stormdrain ditch lining erosion control	\$ 813.60		\$ 813.60					\$ 813.60	Y	9/12/2017
08/22/17	09/13/17	E.J. Prescott	Materials for stormdrain ditch lining erosion control	\$ 813.60		\$ 813.60					\$ 813.60	Y	9/12/2017
09/04/17	09/06/17	Sean Currier	Mileage and expenses for DPW Director and Code Enf. Officer to attend 2-day stormwater training, Portland	\$ 340.77				\$ 340.77			\$ 340.77	Y	9/12/2017
06/14/17	07/19/17	National Stormwater Center	Training fees for 2 employees to attend 2-day training	\$ (1,548.00)				\$ (1,548.00)			\$ (1,548.00)	N/A <sup>1</sup>	12/12/2017
08/09/17	09/13/17	NASCO	Write-on bags for sampling	\$ 62.15		\$ 62.15					\$ 62.15	Y	12/12/2017
08/22/17	09/28/17	Harriman Sons	Digging out Patterson Rd culvert	\$ 900.00			\$ 900.00				\$ 900.00	Y	12/12/2017
09/14/17	09/20/17	00134 Drumlin LLC	TECHNICAL CONSULTANT	\$ 4,036.00					\$ 4,036.00			Y	12/12/2017
10/03/17	10/25/17	E.J. Prescott	Pipe/materials for culverts	\$ 838.40	\$ 838.40						\$ 838.40	Y	12/12/2017
10/04/17	10/25/17	E.J. Prescott	Pipe/materials for culverts	\$ 419.20	\$ 419.20						\$ 419.20	Y	12/12/2017
11/01/17	11/15/17	State of Maine	MS4 General Permit fee for Plan Year 5	\$ 185.00		\$ 185.00					\$ 185.00	Y	12/12/2017
11/09/17	11/29/17	E.J. Prescott	Pipe/materials for culverts	\$ 419.20	\$ 419.20						\$ 419.20	Y	12/12/2017
02/03/18	02/21/18	Stillwater Environmental	Stormwater consultant	\$ 5,705.50		\$ 5,705.50					\$ 5,705.50	Y	5/12/2018
04/23/18	05/09/18	Ti Sales, Water & Wastewater Supplies	catch basin frames, grates, flanges	\$ 1,450.74	\$ 1,450.74						\$ 1,450.74		
05/04/18	05/09/18	00134 Drumlin LLC	TECHNICAL CONSULTANT	\$ 490.00					\$ 490.00			Y	5/12/2018
	n/a	Eastwood Contractors	Coldbrook Rd storm drain installation (proposed for Council award of contract on 5/7/18)	\$ 27,000.00	\$ 27,000.00						\$ 27,000.00		budgeted project; pending contract award 5/12/2018

As of  
YTD reimbursed to General Fund: \$ 18,452.92 5/4/2018  
Total proposed for reimbursement to General Fund (5/12/18): \$ 34,646.24  
Acct #  
Total proposed for reimbursement to General Fund: \$ 53,099.16 R 01-48

	YTD	For 5/12/18
Total from Principal	\$ 4,526.00	\$ 490.00
Total from Income	\$ 48,573.16	\$ 34,156.24
Budgeted revenue	\$ 72,345.00	FY18 Town Budget
Remaining budgeted revenue (FY18)	\$ 19,245.84	

<sup>1</sup> Note: This expense was reimbursed by the Trust Committee at its 9/12/17 meeting. However it was reclassified as an FY17 expense, so the amount reimbursed is credited against the current reimbursement request.

Source: Angus Jennings, Town Manager 5/4/2018



Stillwater Environmental Engineering, Inc.  
 PO Box 426  
 Target Technology Center  
 20 Godfrey Drive  
 Orono, ME 04473 US  
 207-949-0074  
 pruck@stillwaterenv.com  
 http://www.stillwaterenv.com

10-10-22-05  
 D1 C  
 2/9/18

**BILL TO**  
 Karen Cullen  
 Town of Hampden  
 106 Western Avenue  
 Hampden, ME 04444

**INVOICE 2017-550**

**DATE 02/03/2018 TERMS Net 30**

**DUE DATE 03/05/2018**

DATE	ACTIVITY	AMOUNT
01/31/2018	Engineering Consulting Services:Project Manager/Senior Environmental Engineer Employee - Phil Ruck  Tasks: * Client correspondence (1.0 hours) * SW Team and client meetings (7/24, 8/9, 9/5, 10/10, 11/27) (8.0 hours) * Review PY5 action items (2.0 hours) * Review PC inspection report (1.0 hours) * Review IDDE Plan revisions (2.0 hours) * Review and edit PY4 Annual Report for submission to MDEP (2.5 hours) * Represent Hampden at MDEP Statewide Stakeholder meetings (2.0 hour), 18.5 @ \$105.00	1,942.50
01/31/2018	Engineering Consulting Services:Assistant Project Manager Employee - Jeffry Spaulding  Tasks: * Infrastructure inspection summary (.5 hrs) * E. Coli sampling prep for dry weather flows (1.5 hrs) * PY4 Annual report preparation(17 hrs) * IDDE Plan revisions (1 hr) * Post construction inspection summaries (5 hrs) * PY4 Inspection summary (.5hrs) * E. Coli sampling follow up (1.5 hrs), 27 @ \$70.00	1,890.00

Thank you for your business!

DATE	ACTIVITY	AMOUNT
01/31/2018	Engineering Consulting Services:Assistant Project Scientist Employee - Cara Belanger	825.00
	Tasks: * MS4 Annual report draft preparation(4.5 hr) * IDDE Plan revisions (7hrs) * Post Construction report (2.0 hrs) * Annual report check list (1 hr) * PY5 Checklist (.5hr), 15 @ \$55.00	
01/31/2018	Engineering Consulting Services:Intern Employee - Taylor Bailey	648.00
	Tasks: * Outfall monitoring for dry weather flow follow up tests (7/31 - 8 hrs)  Employee - Erica Bertolaccini	
	Tasks: * Outfall monitoring for dry weather flow follow up tests (7/31 - 8 hrs) * Post construction inspection follow up reporting (2 hrs), 18 @ \$36.00	
01/31/2018	Technology Fee 1 Monthly Fulcrum App Charge for July, August, September, October, November, December and January, 7 @ \$50.00	350.00
01/31/2018	Reimbursable Expenses Dunkin Donuts purchased for Hampden hosting BASWG meeting, 1 @ \$50.00	50.00

For professional services provided by SEE for the period of July 1, 2017 through January 31, 2018.

<b>TOTAL DUE</b>	<b>\$5,705.50</b>
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Thank you for your business!



**WATER and WASTEWATER SUPPLIES**  
 36 Hudson Road (Route 27) Sudbury, MA 01776-2039  
 Phone: 978-443-2002 800-225-4616  
 Fax: 978-443-7800 www.tisales.com

Invoice	INV0090353
Invoice Date	04/20/2018
Ship Date	04/19/2018
Order Date	04/19/2018
Customer PO	SEAN

**RECEIVED**  
 APR 23 2018  
 BY: .....

**Sold To:** Hampden DPW  
 106 Western Ave.  
 Hampden ME 04444

**Ship To:** Hampden DPW  
 Canaan Rd.  
 Hampden ME 04444

Customer Number	Order Method	Job Location	Job Name	Territory Manager		
HAMD1	Ordered by Sean			Steve Clements		
Terms	Freight	Shipping Method		Master Number		
NET 30	Allowed	Severance		276264		
Item Number	Description	Ordered	Shipped	Backord	Price	Extension
CBFG24044	24" X 4" Catch Basin Frame & Grate 4 Sided Flange	4	4		\$229.35	\$917.40
CBFG24043C	24" X 4" Catch Basin Frame & Cascade Grate 3 Flange	2	2		\$266.67	\$533.34
Acct. No. <u>10-10-22-01</u> _____ DEPARTMENT HEAD SIGNATURE DATE <u>5/4/18</u>						
Order Taken By: Travis Merrill 02363766						
				<b>Merchandise</b>	\$1,450.74	
				<b>Other Charges</b>	\$0.00	
				<b>Tax</b>	\$0.00	
				<b>Total Due</b>	<b>\$1,450.74</b>	



Visit our website @ [tisales.com](http://tisales.com)

**Invoice**



Drumlin Environmental, LLC

P.O. Box 392  
Portland, ME  
04112-0392

# Invoice

<b>BILL TO</b>
Town of Hampden Angus Jennings, Town Manager 106 Western Avenue Hampden, Maine 04444

<b>DATE</b>	<b>INVOICE #</b>
5/4/2018	2292

<b>REF NO.</b>	<b>PROJECT</b>
Des. Technical Consultant	04-009PTL

DESCRIPTION	AMOUNT
HAMPDEN TECHNICAL CONSULTANT (9/16/17 to 4/27/18)	
<ul style="list-style-type: none"> <li>- Review and Provide Responses to Citizen Inquiry</li> <li>- Review Correspondence from the MDEP Geologist and Engineer</li> <li>- Provide Review Memo to the Town Manager and Hampden Environmental Trust</li> </ul>	
Professional Services: 5 hrs	475.00
<b>DIRECT EXPENSES:</b>	
Communication: (Phone, Fax, Etc.)	15.00
<b>Total</b>	
	<b>\$490.00</b>



**TOWN OF HAMPDEN**  
**DEPARTMENT OF PUBLIC WORKS**

106 WESTERN AVE.  
HAMPDEN, ME 04444

TEL 862-3337

FAX 862-5067

April 18, 2018

To: Angus Jennings

From: Sean Currier

Subject: 2018 Coldbrook Storm Drain Project – Recommendation of Award

The Public Works department solicited bids for the installation of new storm drain pipe and structures on Coldbrook Road near Laskey Lane due to annual erosion problems. The project proposes the installation of 4 new structures, and approximately 340LF of HDPE smooth bore pipe. The intent is to curb this section of road once lower Coldbrook Road rotation is up for repaving. This will occur after the Rt1A reconstruction and bridge projects are completed.

Four (4) contractors responded to the bid request with prices ranging from \$27,000.00 to \$36,500.00 with Eastwood Contractors being the lowest responsive bidder. I have worked with Eastwood Contractors in the past and had very favorable results. Funding for this project will come from operating budget 10-10-22-01.

I would like to recommend award of the project to Eastwood Contractors in the amount of \$27,000.00.

Thank you for your consideration.

Sean Currier

## Coldbrook Road Storm Drain

Bid results will be presented to Infrastructure committee on April 30.  
If recommended, referral will be sent to Council for approval on May 7.

<b>Company</b>	<b>Bid Amount</b>
Hughes Bros. Inc	\$36,500.00
Sunset Development	\$31,980.15
Eastwood Contractors	\$27,000.00
Wellman Paving	\$30,945.00



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**Pine Tree Landfill**

1 message

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**info@drumlinllc.com** <info@drumlinllc.com>  
To: Angus Jennings <townmanager@hampdenmaine.gov>  
Cc: Stephen Rabasca <srabasca@soilmetrics.com>

Fri, Apr 6, 2018 at 9:10 AM

Good morning Angus,

At your request I have reviewed two memoranda from MDEP staff regarding Pine Tree Landfill and have attached a brief review for you and the Hampden Environmental Trust members.

I have also reviewed the email correspondence you shared between Bill Lippincott and the MDEP staff regarding the leachate releases discovered in 2016 and tracked back to two of the leachate recirculation trenches. In these emails Steve Farrar, the MDEP engineer, describes his understanding of the incidents and how PTL responded. As noted by the MDEP staff, imperfections can occur in the geomembranes that are part of the landfill liner and cover, despite the stringent quality control measures that were used during construction. There is also some risk that on-going activities such as plowing can damage the cover system.

We concur with the MDEP's comment that the water quality monitoring program is a critical component of the post-closure program because it is intended to detect releases if there are construction defects or damage to the geomembrane containment or leachate collection systems. There are two situations at PTL that illustrate how water quality monitoring data has aided in assessment of these systems at PTL. Prior to closure there were significantly elevated concentrations of landfill parameters in monitoring well 602B along the northeast side of the landfill. These elevated concentrations were an indication of a potential problem and in 2008 PTL investigated and made significant repairs to correct leachate seeps and to improve the leachate collection system. Once these repairs were made, the specific conductance in well 602B dropped from 4,220 umhos/cm in 2008 to 1,930 umhos/cm in 2009. A second, more recent condition has been identified in several wells southwest of the landfill. These wells show a rising trend, which may be related to the condition that allowed recirculated leachate to seep from the toe of the landfill in 2016. The damaged geomembrane was repaired in 2016 and monitoring is on-going to determine whether that repair was adequate to reverse this trend.

I hope that this information and the attached memo is helpful to the Town. Please let me know if there are additional questions or information that would be helpful.

Matt

Matthew Reynolds, P.E., C.G.

**Drumlin Environmental, LLC**

Portland, Maine 04112

(207) 771-5546

(207) 242-2812 (cell)

[info@drumlinllc.com](mailto:info@drumlinllc.com)

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**From:** Angus Jennings <townmanager@hampdenmaine.gov>  
**Sent:** Tuesday, February 27, 2018 1:19 PM

To: Matt Reynolds <[info@drumlinllc.com](mailto:info@drumlinllc.com)>  
Subject: Recent materials re Pine Tree

Hi Matt,

I want to confirm that you received the 2017 Annual Water Quality Review and the 2016 Annual Post-Closure Operations Report Review, sent by Linda Butler on Feb. 13 and earlier today, respectively.

I will also forward shortly recent correspondences from Bill Lippincott.

The next quarterly meeting of the Environmental Trust Committee is on Thursday, April 12 at 2 PM. If you can provide a review of these materials by Monday April 9 I can include them in the Committee's meeting packet.

Please call me if you'd like to discuss. It may be good to talk sometime next week to flesh out the idea of having a public informational tour at Casella this spring. Please let me know your availability for a call.

Thanks,

Angus

--

Angus Jennings  
*Town Manager*

*Town of Hampden*

*106 Western Avenue  
Hampden, ME 04444  
(207)-862-3034  
[townmanager@hampdenmaine.gov](mailto:townmanager@hampdenmaine.gov)*

**Please check out our new website: [www.hampdenmaine.gov](http://www.hampdenmaine.gov)**

Under Maine's Freedom of Access ("Right to Know") law, all e-mail and e-mail attachments received or prepared for use in matters concerning Town Business or containing information relating to Town business are likely to be regarded as public records which may be inspected by any person upon request, unless otherwise made confidential by law. If you have received this message in error, please notify us immediately by return email. Thank you for your cooperation.

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 **April 2018 Review for HET.pdf**  
131K

	<p><u>Drumlin Environmental, LLC</u> <i>Hydrogeologic and Engineering Consultants</i></p> <p><b>Soil Metrics, LLC</b></p>	
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## **REVIEW MEMORANDUM**

**To:** Angus West & Hampden Environmental Trust  
**From:** Matt Reynolds  
**Date:** April 6, 2018  
**Subject:** Pine Tree Landfill –February 2018 MDEP Review Memos

Two technical review memoranda from Maine Department of Environmental Protection (MDEP) staff related to Pine Tree Landfill (PTL) were recently shared with the Town. We have reviewed these memoranda and offer comments below.

### **February 13, 2018 Review of 2017 Water Quality Results (Richard Heath)**

This memo is an update on an annual review that Richard performs. It is based on electronic data deliverables to the internal MDEP system. The data is expected to be available to the Town when the Annual Report is released in April. Once we have the Annual Report we can review the data in more detail. However, we have found these annual memos to be useful and generally are in agreement with the observations and conclusions.

The memo highlights positive and negative trends in the 2017 data. Among the positive trends:

- A. Many locations and concentrations have been stable or decreased since 2012.
- B. The extent of dissolved methane in groundwater around the landfill continues to shrink as a result of the corrective actions.
- C. Arsenic concentrations that were rising in 2014 and 2015 at on-site monitoring locations have dropped in 2017. At the off-site domestic well to the east (DW-103) arsenic was equal to the Maximum Contaminant Level (MCL), which represents a decrease from 2016.

Among the negative trends:

- D. Water quality in the southwest corner of the landfill at wells 802B and 803A continued to deteriorate. Dissolved methane is down though, so that doesn't seem to be the source. PTL had suggested that the upward trend might be due to the leachate release in this area in 2016 (that was removed), but 2017 data doesn't show the improvement expected.

- E. Wells on the west side of the landfill continue to show increases in specific conductance. The MDEP speculates that these may be due to transfer station impacts and/or road salt. The MDEP is not requiring analysis of expanded monitoring parameters for 2018 because these impacts may not be specifically due to the landfill. However, if the trend persists, the MDEP indicates that additional evaluation will be needed.

Overall the 2017 water quality data, as reviewed by the MDEP, show that there continues to be strong landfill impact at many monitoring locations on-site, but that there also continue to be positive downward trends at many wells.

### **February 22, 2018 Review of 2016 Annual Post-Closure Operations Report (Steve Farrar)**

This short memo provided a general overview of the engineering aspects of the 2016 Annual Report. Brief comments were offered on four attachments to the 2016 Annual Report:

1. Leachate Recirculation Report (*The memo noted that approximately 35% is remaining of the calculated “available field capacity” for leachate recirculation in the landfill in the areas influenced by the leachate recirculation trenches. It also noted that leachate recirculation appears to be helping methane generation, which is captured and sent to the on-site landfill gas to energy (LFGE) plant. The memo referenced the failure of leachate recirculation trenches 1 and 4 and that PTL had stopped using these. But there was no assessment of the membrane defects that allowed leachate releases from the recirculation system.*)
2. Landfill Gas Report (*The memo noted the landfill gas flow rate and methane concentration has been declining from year to year, which is expected.*)
3. Air Monitoring Report (*The memo noted that there was no data indicating elevated air releases from the landfill and recommended continuation of air monitoring*)
4. Geotechnical Monitoring Report (*The memo indicated that the 2016 data did not show significant concerns with settlement or displacement, which is consistent with the findings of our review described in our August 7, 2017 Memorandum. The MDEP recommended continuation of geotechnical monitoring*)

As noted above the 2017 Annual Report will be issued in April. We will review that report and provide comments to the Town as we have done previously.

If there are further questions, please feel free to call or email at any time.



Angus Jennings <townmanager@hampdenmaine.gov>

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## PTL II

1 message

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**Bill Lippincott** [REDACTED]  
To: Angus Jennings <townmanager@hampdenmaine.gov>

Fri, Feb 16, 2018 at 3:46 PM

Linda & Steve's responses to some follow through questions

**From:** "Butler, Linda J" <Linda.J.Butler@maine.gov>

**Date:** February 16, 2018 at 2:03:02 PM EST

**To:** [REDACTED]

**Subject:** FW: PTL

Bill, below are Steve's answers. Just to anticipate other thoughts you may have: There is a very thorough quality control process throughout installation of these materials. The membranes area heavy duty, but large equipment is involved for efficiency. The work is hard and grueling in the heat. Occasionally, heat seaming of the panels is incomplete and repairs are made where tears occur. But one plow truck with enough push to force a 6" stone into the cover can cause a tear. Every year these covers are inspected and repairs are sometimes made, but it is rare. After a few years, it's mostly sorted out. This is why we have water quality monitoring. All of these systems are peer reviewed and even when installed perfectly, are vulnerable in some measure. The monitoring tells us if there is a problem. They are our and your sentries. And we will continue to review the results. Generally, water quality on the site is improving. That's a good thing.

Hope this addresses your concerns. And thank you for your interest!

Have a nice weekend, Linda

-----Original Message-----

From: Farrar, Stephen E

Sent: Friday, February 16, 2018 1:43 PM

To: Butler, Linda J <Linda.J.Butler@maine.gov>

Subject: RE: PTL

I guess either leak or seep could be used. To me the tears where leachate was able to escape were leaks. Seeps are what the leachate did after escaping allowing the leaks to be detected.

The tear at seep 2 was located near the toe of the east sideslope of the cover. It could have been caused by winter maintenance activities but more likely it happened during construction as material was being placed above the geomembrane.

The tear at seep 3 was located in a drainage ditch on the upslope side of the access road on the cover. The geomembrane here is covered by a geotextile and heavy riprap. The geometry in this location made construction very tricky and the tear almost surely occurred during riprap placement.

I am not aware of any other tears besides these two. Any other tears that may exist would not be detected unless liquid pressure builds up behind them and allows leakage on to the cover surface.

- Steve

Stephen E. Farrar, P.E.  
BRWM Technical Services Division  
Tel. (207) 441-2416  
[stephen.e.farrar@maine.gov](mailto:stephen.e.farrar@maine.gov)

From: Bill Lippincott [REDACTED]  
Sent: Friday, February 16, 2018 12:16 PM  
To: Butler, Linda J <Linda.J.Butler@maine.gov>  
Subject: Re: PTL

Linda,

Thanks for your quick response. After reading Steve Farrar's letter, it appears the actual cause of two of the seeps - would leaks be as appropriate a word to describe them? - were tears in the landfill's geomembrane cover.

"Seep 2... was caused by a small rip discovered in the landfill's synthetic cover system. The rip, which was roughly 2 feet long, allowed leachate to flow out of the side slope."

"Seep 3... was caused by a rip in the landfill synthetic cover system"

So a few follow-up questions, perhaps also for Steve Farrar:

What caused the geomembrane to tear?

Have there been other tears in the geomembrane, aside from these three?

Is there a way for PTL to detect any tears in the geomembrane, or is it possible that tears might go undetected?

Best Regards,

Bill



Angus Jennings <townmanager@hampdenmaine.gov>

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## PTL

1 message

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**Bill Lippincott** [REDACTED]  
To: Angus Jennings <townmanager@hampdenmaine.gov>

Fri, Feb 16, 2018 at 12:16 PM

Hi Angus,

Had time to follow through on this yesterday; DEP's response:

**From:** "Butler, Linda J" <Linda.J.Butler@maine.gov>  
**Date:** February 16, 2018 at 7:39:52 AM EST  
**To:** [REDACTED]  
**Subject:** FW: PTL

Hello Bill:

Below is Steve's response to your question. Steve is the Division's engineer for the project and he worked with folks at Casella to resolve the issue that you refer to. Let us know if you have other questions.

Have a good day,

Linda

-----Original Message-----

From: Farrar, Stephen E  
Sent: Thursday, February 15, 2018 3:36 PM  
To: Butler, Linda J <Linda.J.Butler@maine.gov>  
Subject: RE: PTL

The seeps found on June 21 were each about 900 feet away from the trenches. One was through a pipe boot with a loose clamp and the other through a geomembrane tear. A third seep found on July 1, also through a tear, was located in a ditch along the access road. The mechanism for the leachate reaching the defects is not really understood but it is speculated that it was short-circulating from the trenches through the future gas transmission layer. Landfill personnel look for signs of seepage during daily drives around the landfill and while performing gas wellfield balancing. To my knowledge nothing has been seen since 2016. I am attaching a PDF of a report on the incident, containing more detail, from the 2016 Annual Report.

- Steve

Stephen E. Farrar, P.E.  
BRWM Technical Services Division  
Tel. (207) 441-2416  
[stephen.e.farrar@maine.gov](mailto:stephen.e.farrar@maine.gov)

-----Original Message-----

From: Butler, Linda J  
Sent: Thursday, February 15, 2018 11:03 AM  
To: Farrar, Stephen E <Stephen.E.Farrar@maine.gov>  
Subject: FW: PTL

Steve, You did the follow-up on the recirculation system at PTL, can you answer the questions below?

Thanks, Linda

-----Original Message-----

From: Bill Lippincott [REDACTED]  
Sent: Thursday, February 15, 2018 10:55 AM  
To: Butler, Linda J <Linda.J.Butler@maine.gov>  
Subject: PTL

Hello Linda,

I had a question concerning the existing recirculating trenches at PTL.

In 2016 leaks were detected in two of the recirculating trenches at the Pine Tree Landfill, 1 & 4. I understand the Casella discovered the leaks on June 21, 2016, and closed down those two trenches in July 2016.

How often does Casella inspect and monitor the two remaining recirculation trenches, 2 & 4, to see if there has been any leakage? Have there been any leaks in either of those trenches since 2016?

Appreciate whatever information you can provide.

Thanks!

Bill Lippincott  
30 Wilbur Drive  
Hampden, ME 04444

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 **PTLSeeps.pdf**  
68K

Throughout 2016, flow rates of the leachate pumped into the four recirculation trenches varied depending on how the trenches were utilized. On days that normal pumping occurred, flows ranged between 55 - 120 gpm per trench. If the trenches were solely being utilized to help accommodate condensate disposal from PTL GTE, then flows ranged from 15 - 30 gpm. Flow rates pumped into wells and collection trenches ranged between 50 - 85 gpm. All totalized flow in Table 4-1 and 4-2, reflect pumping flow measurements taken using flow meters located in the concrete manifold structure on top of the landfill.

### **4.3 Operational Issues**

During report year 2016, PTL had several operational issues that were discovered and repaired. These issues are listed below.

In March 20, an unrelated valve connected to leachate system, located in the Bangor Pump Station failed causing a leak in the pump station. The leak, which despite being fully contained, submerged multiple pieces of recirculation equipment that were also housed in the area. The recirculation pump and flow meter were both no longer usable after this occurrence. Due to long lead times on new equipment, the leachate recirculation was not again functional until mid-May.

On June 21, PTL staff noticed two leachate seeps at PTL around 11:30 am. The seeps appeared to have been weeping for a few days, which was evident by the distressed vegetation in the immediate area. Upon an investigation with a third party cleaning service, it was determined that there were no blockages or backup within the leachate collection system. The cause, which is still not fully understood, was hypothesized to have been associated directly with the recirculation into the recirculation trenches. The MEDEP was contacted and visited the site to view the areas. A brief description of each seep is listed below.

- Seep 1, which was located on the Southeast corner of landfill, was caused by a loose clamp that was intended to secure the cleanout boot to leachate cleanout. The loose clamp created a void, which allowed leachate to work its way out around the pipe.

- Seep 2, which was located on the east side of the landfill between external soil gas extraction wells PTGW8-12 and PTGW8-13, was caused by a small rip discovered in the landfill's synthetic cover system. The rip, which was roughly two feet long, allowed leachate to flow out of the side slope.

On July 1, PTL staff noticed a third leachate seep during recirculation activities at PTL around 9:00 am. This seep was found when water was discovered to appear like leachate at the base of the landfill. The MEDEP was informed, but did not visit the site. A brief description of the seep is listed below.

- Seep 3, which was located along the right side of the landfill access road towards the summit, was caused by a rip in the landfill's synthetic cover system. The ripped section, located within the stormwater drainage ditch covered with large rip rap and drainage geotextile, allowed the leachate to flow down through the rip rap of Secure III phases 1-5, and eventually make its way to the East side of the landfill base.

Before completion of repairs, each recirculation trench was individually tested to determine if the trenches were the cause of the seeps. Upon testing, it was found that the seeps were associated with recirculation into trenches LRT-1 and LRT-4. The three cover seepage areas were then repaired by a qualified third party with proper engineering oversight and recordkeeping. Affected areas around the seeps were also properly remediated according to recommendations made by the MEDEP. All four recirculation trenches were cleaned and inspected with a camera to ensure their integrity. Once complete, PTL staff decided to take additional steps by temporary discontinuing the two outside recirculation trenches (LRT-1 and LRT-4), until further notice.



Angus Jennings <townmanager@hampdenmaine.gov>

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## EVTC

1 message

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**Bill Lippincott** [REDACTED]  
To: Angus Jennings <townmanager@hampdenmaine.gov>

Mon, Dec 18, 2017 at 2:52 PM

Angus,

At the EVTC meeting last Tuesday, there was discussion about making a presentation of the town's environmental consultants to the town council once a year a prescribed part of their duties, rather than an option. I would endorse that proposal, as it would be the only defined opportunity for the consultants to interact with the council on the current state of landfill remediation and monitoring, to update the council if there are serious issues concerning the landfill, and to explain technical aspects which may not always be easily understood from the reading of the consultants' reports. I would also endorse their appearance before the council if there are pressing issues concerning the landfill that should not wait the presentation of an annual report

Bill Lippincott  
30 Wilbur Drive



Angus Jennings <townmanager@hampdenmaine.gov>

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## Re: questions from last night's meeting

1 message

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**Drumlin Environmental** <info@drumlinllc.com>  
To: Angus Jennings <townmanager@hampdenmaine.gov>

Mon, Dec 11, 2017 at 6:17 PM

Hello Angus,

I have looked over the questions that Bill Lippincott asked earlier and have been in touch with Casella. Responses to Bill's questions are included below in red italics.

If there are additional questions from you or the Committee, please feel free to call or e-mail at any time.

Regards,

Matt

Matthew D. Reynolds, P.E., C.G.

Drumlin Environmental, LLC

(207) 771-5546

(207) 242-2812 (cell)

[info@drumlinllc.com](mailto:info@drumlinllc.com)

----- Forwarded message -----

From: **Bill Lippincott** [REDACTED]  
Date: Tue, Sep 26, 2017 at 5:05 PM  
Subject: questions from last night's meeting  
To: Angus Jennings <townmanager@hampdenmaine.gov>  
Cc: Norm Thurlow [REDACTED]

Hi Angus,

My questions from last night's meeting re: Memorandum p.2 9/22/17:

"After identifying leachate seeps in several areas of the landfill in 2016, Casella investigated the source and concluded that it was a result of leachate addition to 2 of the recirculation trenches (LRT-1 and LRT-4....there is a potential for similar conditions to occur in the two remaining trenches (LRT-2 and LRT-3), which are being used for leachate recirculation."

1. In the last Drumlin Report of 8/7/17, I don't see any indication of what period of time elapsed between the detection of leaks and action to

- A. Stop the recirculation of the leachate in those trenches
- B. Repair the landfill cover where breached.

Also is there an estimate of the time from when the breaches occurred to when they were first detected?  
*According to Casella and their Annual Report, the leachate breakouts were observed on June 21, 2016 and the MDEP was notified that day. They judged that based on the area of distressed vegetation, the breakouts not been occurring for more than a few days. They immediately investigated the leachate collection system and determined that was not the likely source, so they stopped the recirculation system.*

*During the remainder of June and July Casella developed a plan to evaluate the recirculation system, coordinated with the MDEP and conducted the assessment. This assessment concluded that trenches 1 and 4 were not functioning. The landfill cover was repaired in three locations in July and the leachate impacted soil was excavated and removed.*

*Recirculation into Trenches 2 and 3 was resumed in mid-October 2016. According to Casella, there has not been any use of Trenches 1 & 4 since June 21, 2016.*

So three questions there

2. Has Casella stepped up monitoring around the two remaining operating trenches for leachate collection so that if there is a leak and a breach in the landfill cover, they can shut down the use of one or both of those trenches as soon as the leak and/or breach is detected, and start mitigation of the leak, if necessary, ASAP?

*According to Casella, they have been recirculating into Trenches 2 and 3 during 2017 and the system has performed as designed. They are inspecting the system as originally required (not stepped-up frequency) and have not observed any leachate breakouts or other problems.*

Perhaps it would make more sense if Casella and DEP could provide the answers to these questions?

Thank you for following through on my concerns,

Bill

--

Angus Jennings  
Town Manager

*Town of Hampden*  
[106 Western Avenue](#)  
[Hampden, ME 04444](#)  
(207)-862-3034  
[townmanager@hampdenmaine.gov](mailto:townmanager@hampdenmaine.gov)

**Please check out our new website: [www.hampdenmaine.gov](http://www.hampdenmaine.gov)**

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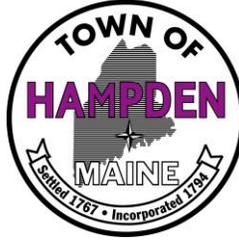
Angus Jennings  
Town Manager

*Town of Hampden*  
[106 Western Avenue](#)  
[Hampden, ME 04444](#)  
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**Please check out our new website: [www.hampdenmaine.gov](http://www.hampdenmaine.gov)**

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**Town of Hampden**  
106 Western Avenue  
Hampden, Maine 04444



**Phone:** (207) 862-3034  
**Fax:** (207) 862-5067  
**Email:**  
townmanager@hampdenmaine.gov

TO: Environmental Trust Committee  
FROM: Angus Jennings, Town Manager  
DATE: May 7, 2018  
RE: Pine Tree Landfill Annual Report

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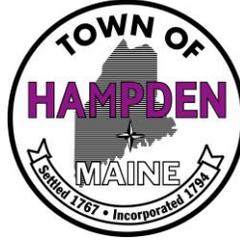
Due to the large file size, the Annual Report is not included in this meeting packet.

It is viewable online at the Environmental Trust webpage on the Town website:

[www.hampdenmaine.gov/environmentaltrust](http://www.hampdenmaine.gov/environmentaltrust)

The link to the specific document is provided [here](#).

**Town of Hampden**  
106 Western Avenue  
Hampden, Maine 04444



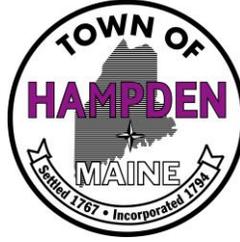
**Phone:** (207) 862-3034  
**Fax:** (207) 862-5067  
**Email:**  
townmanager@hampdenmaine.gov

**TO:** Environmental Trust Committee  
**FROM:** Angus Jennings, Town Manager  
**DATE:** May 7, 2018  
**RE:** Pine Tree Landfill informational meeting and tour

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At its December 12 meeting, the Committee discussed the objective of holding an informational meeting and tour at the landfill. I have discussed this with Matt Reynolds of Drumlin, LLC and Wayne Boyd of Casella (Pinetree), and both embraced this idea. We have a proposed date/time of Thursday, May 17 at 9 a.m., pending confirmation with the Environmental Trust Committee. Drumlin is available to attend at that time, as is Mike Booth of Sevee & Maher Engineers, which does the technical work for Casella on the landfill. Resident Bill Lippincott is also available at that time and, once a date/time is confirmed, has agreed to help get the word out to residents. If this date/time doesn't work, we can find another date/time; I'd like to get this confirmed at Thursday's meeting.

**Town of Hampden**  
106 Western Avenue  
Hampden, Maine 04444



**Phone:** (207) 862-3034  
**Fax:** (207) 862-5067  
**Email:**  
townmanager@hampdenmaine.gov

**TO:** Environmental Trust Committee  
**FROM:** Angus Jennings, Town Manager  
**DATE:** May 7, 2018  
**RE:** Proposed FY19 Budget

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As was the case with the previous two budget cycles (see related memo dated May 15, 2017, enclosed), the proposed FY19 Budget includes projected amounts that would be requested for reimbursement from the Environmental Trust Committee to offset eligible expenses in the Town budget.

The FY19 Town Budget proposed to the Town Council by the Town Manager includes \$123,860 in Environmental Trust revenue. This total amount is comprised of the entire proposed expense budget for Stormwater Management (\$43,860) plus \$80,000 to offset the stormwater infrastructure costs related to the proposed repair of Schoolhouse Lane.

The proposed Stormwater Management budget, and supporting information regarding the Schoolhouse Lane project, are enclosed.

Proposed budget numbers are subject to change as the Town Council proceeds with its budget working meetings; it will review proposed Revenues on May 14 at 6 p.m., and will review the proposed Stormwater Management budget on May 16 at 6 p.m.

The Town Council is anticipated to propose its FY19 Town Budget on June 4 and to adopt its FY19 budget at public hearing on June 18.

This item is included for discussion on the May 10 meeting of the Environmental Trust Committee in order to ensure clarity regarding the intent of this budgeting approach, and to seek the Committee's input which can then be shared with the Town Council.

Hampden		Proposed FY19 Budget - REVENUES							
	2017 Budget	2017 Recorded	FY18 Budget	2018 YTD	Percent Complete	FY19 Town Mgr	Change FY18 to FY19	Notes (FY19)	
<b>Dept: 01 GENERAL GOVT</b>		<i>Not aud. adj.</i>	<i>June 19, 2017</i>	<i>4/30/2018</i>	<b>83.0%</b>	<i>May 1, 2018</i>			
03 INT ON TAXES	11,000	11,749	\$ 8,659	9,478	109.5%	\$ 9,500	841		
05 INTEREST/COSTS ON TAX LIENS	23,500	19,801	\$ 23,863	21,146	88.6%	\$ 24,000	137		
09 SALE OF TAX ACQUIRED PROPERTY	0		\$ -	0		\$ -	0		
15 MV EXCISE TX	1,780,000	2,015,234	\$ 1,891,624	1,561,536	82.6%	\$ 2,000,000	108,376	<i>Increased based on projected increase due to Emera corp. relocation by 7/1/19 (per TIF agreement).</i>	
17 BOAT EXCISE	10,000	11,477	\$ 10,000	3,712	37.1%	\$ 11,000	1,000		
18 AGENT FEES	20,500	25,706	\$ 23,221	18,916	81.5%	\$ 23,221	0		
19 CLERK FEES	14,500	13,086	\$ 13,861	10,150	73.2%	\$ 13,300	(561)		
20 TRANSFER IN FROM RESERVES	0		\$ 12,004	0	0.0%	\$ -	(12,004)	<i>Instead of budgeting reserve revenue, removed some proposed expense budget items for recommended reserve funding</i>	
23 INTEREST EARNED ON ACCOUNTS	10,000	9,779	\$ 5,000	1,508	30.2%	\$ 8,500	3,500		
25 RENTAL INCOME	2,000	2,000	\$ 2,000	2,000	100.0%	\$ 2,000	0	<i>Post Office lease proceeds</i>	
27 PLUMBING FEE	8,500	8,188	\$ 8,500	8,043	94.6%	\$ 9,000	500		
29 CODE ENFORCEMENT FEES	20,500	18,160	\$ 20,000	28,083	140.4%	\$ 32,000	12,000		
31 PLANNING BOARD FEES	2,500	23,033	\$ 43,168	2,615	6.1%	\$ 2,750	(40,418)	<i>Reduced based on pre-FY19 anticipated resolution of developer escrow accounts.</i>	
33 CARRIED BALANCES	0	0	\$ -	0		\$ -	0		
35 CABLE TV FEE	39,000	33,644	\$ 39,000	14,242	36.5%	\$ 16,000	(23,000)	<i>Since Jan. 2017, revenue trending lower; change in cable company plus more people "cutting the cord"</i>	
37 FEE/PERMITS	1,000	78	\$ 98	367	374.5%	\$ 350	252		
41 HCB REVENUE	0	0	\$ -	0		\$ 400,000	400,000	<i>HCB balance \$509,927 (5/1/18)</i>	
45 SERVICE FEE- PAYMENT IN LIEU	13,540	9,116	\$ 9,110	8,512	93.4%	\$ 13,540	4,430	<i>Projected to increase based on outcome of pending appeal.</i>	
47 BUSINESS PARK REVENUE	0	0	\$ -	0		\$ -	0		
<b>48 ENVIRONMENTAL TRUST - INCOME</b>	120,000	120,089	\$ 77,585	14,417	18.6%	\$ 123,860	46,275	<i>Funds to offset budgeted stormwater expenses. Plus \$80k for Schoolhouse Lane sw repairs. (With approval of Env. Trust and Council, could increase to \$140-150k if full rebuild of Schoolhouse Ln). All amounts require Committee and Council approval.</i>	

Hampden		Proposed FY19 Budget						
	2017 Budget	2017 Recorded	FY18 Budget	2018 YTD	Percent Complete	FY19 Town Mgr	Change FY18 to FY19	Notes (FY19)
		Not aud. adj.	June 19, 2017	4/30/2018	83.0%	May 1, 2018		
<b>Dept/Div: 10-10 PUBLIC WORKS / STORMWATER</b>								
<b>STORMWATER</b>								
22-01 MAINT/REPAIR	8,280		\$ 39,815	1857	4.7%	\$ 11,580	(28,235)	
Culverts/pipes (incl. 8 driveway underdrain repairs); castings - frames/grates (8 @ \$320 to \$380 each); flowable fill (75 yards); crushed stone for backfill (200 yds).								
22-05 COMPLIANCE DOCUMENTATION	12,850		\$ 24,750	9891	40.0%	\$ 24,500	(250)	
DEP compliance consultant; BASWG membership; IDDE testing.								
22-10 SUPPLIES/GEN'L	800		\$ 1,500	2949	196.6%	\$ 2,500	1,000	
IDDE testing supplies; iPad for field inspections								
22-20 CONTRACTED SERVICES	100,000		\$ 9,320	10325	110.8%	\$ 4,080	(5,240)	Clean catch basins (60 @ \$68/each).
Approved FY18 budget was \$4,080; however auditor carried forward \$5,240 from FY17 work completed in FY18								
<b>PROFESSIONAL SERVICES</b>								
30-80 TRAINING/TRAVEL	1,500		\$ 2,200	341	15.5%	\$ 1,200	(1,000)	
Stormwater pollution training								
<b>PUBLIC WORKS</b>	<b>123,430</b>	<b>117,432</b>	<b>\$ 77,585</b>	<b>25363</b>	<b>32.7%</b>	<b>\$ 43,860</b>	<b>(33,725)</b>	

## Schoolhouse Lane Rebuild

Existing road is approx. 860' long and 20' wide with a steep grade.

Preliminary Draft Scope of Work, full depth reconstruction:

- Add 2' width to road and install curb
- Box cut to waste
- 8" Type C underdrain, both sides of street
- Six precast 4' diameter concrete catch basins
- 18" Subbase
- 6" Base
- 4" pavement (2.5" binder and 1.5" surface)
- Striping
- Erosion control measures, dewatering
- Traffic control and signage
- Slipform concrete curb
- Loam, seed and mulch shoulders

Estimated cost to construct: \$275,000

With cost added for contingency, 8% engineering and inspection: **\$310,000**





**TOWN OF HAMPDEN**  
**DEPARTMENT OF PUBLIC WORKS**

106 WESTERN AVE.  
HAMPDEN, ME 04444

TEL 862-3337

FAX 862-5067

April 25, 2018

To: Angus Jennings  
From: Sean Currier  
Subject: 2018 Schoolhouse Lane Storm Water

The Public Works Department has responded to numerous complaints about storm water on Schoolhouse Lane over the past few years including basement flooding, ditch erosion and road condition. This year, the issues continue with erosion. Schoolhouse lane has been discussed in Infrastructure meetings and the Council has heard from residents on the matter multiple times.

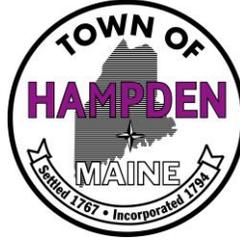
I would like to recommend that the Council take steps to solidify funding to repair the current condition of Schoolhouse Lane in a timely manner. The two options discussed last year were:

- 1) Installation of storm drain catch basins, piping and curbing on one side of Schoolhouse Lane. Road to be curbed on the other side and full depth road reconstruction to take place in the future. Cost approx. \$90,000-\$100,000.
- 2) Installation of storm drain catch basins, piping and curbing on both sides of Schoolhouse Lane, full depth road reconstruction and paving to take place, and ditching, loam, mulch and seed where applicable to complete reconstruction of Schoolhouse Lane. Cost approx. \$310,000-\$330,000.

Thank you for your consideration taking steps to rectify issues on Schoolhouse Lane.

Sean Currier

**Town of Hampden**  
106 Western Avenue  
Hampden, Maine 04444



**Phone:** (207) 862-3337  
**Fax:** (207) 862-5067  
**email:** [Publicworks@hampdenmaine.gov](mailto:Publicworks@hampdenmaine.gov)

October 2, 2017

**Re: Schoolhouse Lane drainage issues**

Dear Residents:

On June 26 of this year, the Town Council's Infrastructure Committee held a meeting with public input on the water situation and road condition on Schoolhouse Lane. There were several issues discussed at that meeting, including how to alleviate or reduce surface run-off and groundwater from entering basements. Following additional discussion at the Committee's July 24 meeting, the Committee directed the Town Manager to work with DPW to design and implement an interim fix as feasible within this year's budget, and to propose a more complete fix for next budget year.

With regard to surface water, the Public Works Department is proposing to place a low height, narrow berm of pavement along the North side of the street to keep surface run-off on the pavement and channel it to a ditch that will be repaved this fall. This would at least minimize the visible water from leaving the road right-of-way.

Minimizing ground water issues will require a more significant construction project. It is believed that with the recent water line project, the disturbed soils may be channeling ground water in the new water line trench and allowing the water to follow pipes to basements. A more permanent fix would include installing a storm drain system necessary to reduce groundwater levels in the affected areas. This was considered in previous budget cycles but was not funded. The funding for this will be discussed and brought to the Council for consideration in the FY19 budget process. Thanks to public comments from affected residents, Councilors are aware of the importance of addressing this matter.

If you would like to receive notice when this issue will be discussed at meetings of the Council or Infrastructure Committee, please contact Rosemary Bezanson at the number above, in person, or at [adminasst@hampdenmaine.gov](mailto:adminasst@hampdenmaine.gov). If you have additional questions regarding Schoolhouse Lane, Public Work Director Currier can be reached at 862-3337.

Thank you for your input and patience.

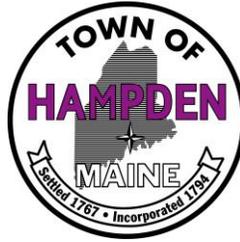
Sean Currier,

Public Works Director

Hampden		Proposed FY19 Budget						
	2017 Budget	2017 Recorded	FY18 Budget	2018 YTD	Percent Complete	FY19 Town Mgr	Change FY18 to FY19	Notes (FY19)
Dept/Div: 10-01 PUBLIC WORKS / HIGHWAY	Not aud. adj.		June 19, 2017	4/30/2018	83.0%	May 1, 2018		
<b>COMPENSATION</b>								
01-05 WAGES	550,799		\$ 555,480	443,672	79.9%	\$ 631,528	76,048	Includes proposed new position, Asst. Director/Town Engineer.
01-15 CLOTHING ALLOWANCE	6,420		\$ 8,450	5,890	69.7%	\$ 7,575	(875)	
01-25 VEHICLE EXPENSES	3,500		\$ 2,200	552	25.1%	\$ 1,910	(290)	
<b>INSURANCE</b>								
05-01 FICA/MEDI	42,136		\$ 42,494	33,094	77.9%	\$ 48,312	5,818	
05-05 MSRS/ICMA-ER	47,121		\$ 47,405	41,577	87.7%	\$ 55,141	7,736	
05-10 WORKER'S COMPENSATION	35,350		\$ 35,704	26,642	74.6%	\$ 38,360	2,657	Projected 3% increase
05-15 HEALTH	125,766		\$ 127,760	113,996	89.2%	\$ 151,825	24,065	Includes 2018 actual; 10% increase for 2019 (6 months)
05-20 LIFE	1,463		\$ 1,200	890	74.2%	\$ 1,200	0	
05-25 DENTAL	713		\$ 927	725	78.2%	\$ 1,050	123	
<b>SUPPLIES</b>								
10-01 OFFICE	700		\$ 700	757	108.1%	\$ 1,300	600	Supplies for DPW office.
10-05 POSTAGE/SHIPPING	200		\$ 2,000	255	12.8%	\$ 500	(1,500)	Postage for road closures, etc.
10-15 BOOKS/PUBLICATIONS	500		\$ 500	0	0.0%	\$ 500	0	Reference books incl. Maine Standards of Construction
10-17 TREE PLANT/REMOVAL	3,000		\$ 3,500	5,625	160.7%	\$ 7,500	4,000	Contracted tree removal, various locations.
10-20 SUPPLIES/MATERIALS Hand tools, power tools, cleaning supplies, trash bags, harness, etc.	7,875		\$ 3,400	4,021	118.3%	\$ 5,200	1,800	
10-25 FUEL/GAS/OIL/LUBE Fuel, gas, oil, transmission fluid, hydraulic fluid, antifreeze, grease etc.	60,000		\$ 51,675	46,916	90.8%	\$ 51,675	0	
10-40 SALT	67,428		\$ 88,200	111,647	126.6%	\$ 90,000	1,800	1600 tons at \$56.25/ton
10-50 TAR PATCHING Asphalt paving patch for potholes, trench repair for utility replacement.	3,000		\$ 8,000	4,752	59.4%	\$ 6,000	(2,000)	
10-55 STREET SIGNS Regulatory signage (stop/yield/speed etc), street signs, misc. road signs and hardware.	2,500		\$ 3,500	1,625	46.4%	\$ 3,100	(400)	
10-60 CALCIUM CHLORIDE Snow/ice removal, dust control (gravel roads), fertilizer for ditches	2,000		\$ 2,000	1,791	89.6%	\$ 2,000	0	
10-65 STEEL PLOWS	22,500		\$ 22,500	10,144	45.1%	\$ 19,000	(3,500)	

30-20 CONTRACTED SERVICES AND EQUIP.	5,000	\$	46,800	9,890	21.1%	\$	46,000	(800)	Engineering ( <del>\$40k</del> \$20k); guardrail repairs: Sidney Blvd, Surry Lane, Emerson Mill, Bog Rd (\$20k); street sweeping (\$6k); GIS-mapping ( <del>\$1500</del> ); hang/remove holiday decorations ( <del>\$1200</del> )
30-21 DRUG/ALCOHOL SCREENING Drug and alcohol tests; MDOT required AHS random screening mgmt.	800	\$	843	722	85.6%	\$	843	0	
<b>30-75 STREET CONSTRUCTION</b>		\$	-	665		\$	<b>110,000</b>	110,000	<b>Schoolhouse Lane, total reconstruction (<del>\$320k</del> \$110k); Cottage St drainage (<del>\$183k</del>); Summer St drainage (<del>\$58,800</del>); Sucker Brook box culvert (<del>\$50k</del>); Baker Rd (<del>\$20k</del>). Schoolhouse Lane cost partial offset by \$80k projected Env. Trust revenue (R 01-48)</b>
30-76 SIDEWALK/STREET PAINTING Crosswalk striping (\$6,400). Includes muni bldgs & library (\$2,150)	4,000	\$	13,500	10,705	79.3%	\$	8,550	(4,950)	Does not include center-line striping (on every 2 yr cycle)
30-80 TRAINING/TRAVEL Snow Conference (\$2000), memberships (MBTA, NEWEA, APWA), Chainsaw Safety, SPCC, Work Zone Safety, Bloodborne Pathogen, Fire Extinguisher, Hearing Conservation, LOTO, Sexual Harassment, Haz Com, Emergency Action Plans, PPE, Dig Safe, Trenching & Excavation	4,600	\$	5,000	1,215	24.3%	\$	5,000	0	
<b>PUBLIC WORKS / HIGHWAY</b>	<b>1,403,207</b>	<b>1,060,516</b>	<b>\$ 1,888,302</b>	<b>1,598,626</b>	<b>84.7%</b>	<b>\$</b>	<b>1,935,909</b>	<b>47,607</b>	

**Town of Hampden**  
106 Western Avenue  
Hampden, Maine 04444



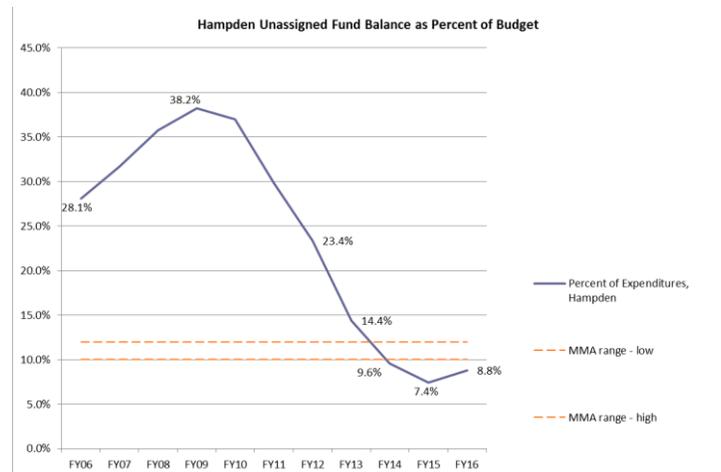
**Phone:** (207) 862-3034  
**Fax:** (207) 862-5067  
**Email:**  
townmanager@hampdenmaine.gov

**TO:** Environmental Trust Committee  
**FROM:** Angus Jennings, Town Manager  
**DATE:** May 15, 2017  
**RE:** Current and proposed role of Environmental Trust in Town budgeting

As was discussed at the Committee's October 2016 and February 2017 meetings, the Environmental Trust was an active financial resource to the Town of Hampden for many years. Our paper records show routine Committee authorization of Trust payment of eligible expenses from 1993 until around 2007. The last Environmental Trust Committee meeting minutes we have on file are from Oct. 8, 2008, and the last meeting agenda we have on file is from Aug. 29, 2009 (no meeting minutes found).

Over the past 16 months or so, we have worked to reactivate the Trust through Council reappointment of the Committee; resuming quarterly meetings pursuant to the Trust Committee Bylaws; restoring communications between the Committee and the Institutional Trustee (Bangor Savings Bank); and facilitating Committee consideration of its roles and responsibilities as it was intended, and as it functioned for many years.

Part of our work involved resolving a backlog of documented expenses that have been incurred by the Town's General Fund during the period of Committee inactivity. During that time, the health of the Town's finances (as indicated by the Unassigned Fund Balance as a percentage of annual budget) worsened considerably (see chart, excerpted from Town Manager presentation of proposed FY18 Town Budget, complete presentation online at [www.hampdenmaine.gov/budget](http://www.hampdenmaine.gov/budget)).



At year-end FY14, for the first time the Town's Unassigned Fund Balance fell below the 10-12% range recommended by the Maine Municipal Association. Restoring the Fund Balance to a healthier condition is one of the Town Manager / Town Council goals, and some progress has been made in this regard.

Later on this meeting agenda the Committee will review a number of expenses incurred prior to the Committee's appointment in 2016 that would have been eligible for payment from the Trust had the Committee been active.

The purpose of this memo is to set out the role that the Trust played in adopting a balanced FY17 budget, and its role in the proposed FY18 Town budget.

In FY17, for the first time, the Town included a separate budget for Stormwater Management which, because Hampden is a regulated MS4 (Municipal Separate Storm Sewer System) community, has been and will continue to be a significant and costly unfunded mandate. Prior to FY17, stormwater management expenses were not specifically budgeted, but rather were paid from one-time Host Community Benefit revenues.

The approved FY17 Town Budget includes \$122,630 in stormwater management expenses. It also includes \$120,000 in budgeted revenues based on anticipated payment (or reimbursement) of these expenses from the Environmental Trust. The Town Council agreed with my recommendation that, because the legal underpinning of MS4 regulations is protection of water quality, our compliance costs are eligible for Trust payment (or reimbursement) from Trust Income which under the Trust Indenture may be expended "to preserve and protect the environment in the Town of Hampden, including funding such environmental study, testing, protection, preservation, and remediation measures as the Individual Trustees, in their discretion, direct."

Under Item 6 on the May 18 agenda, the Committee will be asked to pay about \$71,000 of related expenses incurred in FY17. An additional request will be submitted closer to the end of the fiscal year (June 30) in order to submit payment (or reimbursement) request for an additional approximately \$49,000 in order to meet budgeted revenues.

The same approach is reflected in the FY18 Town Budget proposed to the Town Council by the Town Manager: the proposed budget includes \$72,420 in stormwater management expenses, and projects the \$72,420 in Environmental Trust revenue. (Proposed budget numbers are subject to change as the Town Council proceeds with ongoing budget working meetings; the Town Council is anticipated to propose its FY18 Town Budget on June 5 and to adopt its FY18 budget at public hearing on June 19).

This item is included for discussion on the May 18 meeting of the Environmental Trust Committee in order to ensure clarity regarding the intent of this budgeting approach, and to seek the Committee's input which can then be shared with the Town Council.

cc: *Town Council Infrastructure Committee*  
*Tammy Ewing, Finance/HR*  
*Sean Currier, DPW Director*