

Stormwater Utility Report

**Prepared by VTrans Pursuant to Act 158 (H.876 2016 T-Bill) Section 34
Submitted on January 15, 2018 for 2017 Calendar Year**

Submitted to:
House Committee on Transportation
Senate Committee on Transportation
House Committee on Fish, Wildlife and Water Resources
Senate Committee on Natural Resources and Energy

As required by Section 34 of Act 158 of 2016 (full text on page 6 of 6), VTrans is pleased to submit this stormwater utility report, the second of five such reports. In summary, the report addresses:

1. Number of municipal stormwater utilities (*SW Utilities*) in existence at time of report.
2. Number of new municipal stormwater utilities established in preceding year.
3. Fees paid by VTrans to municipal stormwater utilities in preceding year.
4. List of stormwater projects implemented by VTrans in municipalities with stormwater utilities over the preceding year.
5. List of stormwater programs implemented by VTrans in municipalities with stormwater utilities over the preceding year.
6. List of water quality related grant Awards and stormwater utility incentive grant payments by VTrans to municipalities with stormwater utilities.

SUMMARY TABLE – PRIOR YEAR COMPARISON TO CURRENT YEAR

[refer to following pages for details on items 1 thru 6]

Report On	2016	2017	Change from Previous Year
1 – Existing SW Utilities	3	4	1 new
2 – New SW Utilities	0	1	1 new
3 – SW Utility Fees Paid	\$25,807	\$134,039	\$108,232 increase
4 – Projects Benefiting Water Quality	\$72,000 and no construction projects	\$124,600 plus 6 construction projects	\$52,600 increase plus Increase in # of construction projects by 6
5 – Programs Benefiting Water Quality	\$38,000	\$40,600	\$2,600 increase
6 – Grants, Including Incentives Benefiting Water Quality	\$308,000	\$1.6 million	\$1.29 million increase

CALENDAR YEAR (2017) DETAILED REPORT

1. Per Section 34 (1) Report on the number of municipal stormwater utilities in existence at the time of each report.

➤ Four (4) municipal stormwater utilities exist and include:

↵ **Town of Colchester (NEWLY adopted in 2017)**

Via ordinance adopted on April 25, 2017; Effective July 1, 2017.

<http://colchestervt.gov/1837/Stormwater-Utility>

↵ **City of Burlington**

Via an ordinance adopted Dec. 15, 2008; Effective April 1, 2009.

<https://www.burlingtonvt.gov/DPW/Stormwater-Management>

↵ **City of South Burlington**

Via a March 21, 2005 City Council vote.

http://sburlstormwater.com/wp-content/uploads/2016/10/Sewer_and_Stormwater_Ordinance_Final_101716.pdf

↵ **Town of Williston**

Via an ordinance adopted April 21st, 2014 and effective June 20th, 2014.

http://www.town.williston.vt.us/vertical/Sites/%7BF506B13C-605B-4878-8062-87E5927E49F0%7D/uploads/stormwater_ordin_amend_final_signed_072015.pdf

2. Per Section 34 (2) report on the number of new municipal stormwater utilities established in the preceding calendar year.

➤ One new municipal stormwater utility was created in calendar year 2017 in the Town of Colchester.

3. Per Section 34 (3) report on the amount of fees paid by VTrans to stormwater utilities in the preceding calendar year.

Municipality Fees Paid To	2016 Cal Year Fees Paid	2017 Cal Year Fees Paid
Burlington	\$7,077	\$99
Colchester *	Adopted in 2017	\$0*
So. Burlington	0	\$96,480
Williston	\$18,730	\$37,460
Totals	\$25,807	\$134,039
Net Increase	--	+ \$108,232

* Colchester – Annual billing will commence on January 1, 2018 and VTrans will pay \$62,085 in 2018. This value will be reported in the Calendar Year 2018 Stormwater Utility Report.

4. Per Section 34 (4) report on stormwater projects implemented by VTrans in municipalities with stormwater utilities in the preceding calendar year.

Project/Activity	2017 # / Costs
<p>Projects under construction with either:</p> <ul style="list-style-type: none"> ➤ Permanent operational stormwater treatment <ul style="list-style-type: none"> ☞ Burlington = 0 ☞ Colchester = 1 ☞ South Burlington = 0 ☞ Williston = 0 ➤ Temporary construction erosion control stormwater treatment <ul style="list-style-type: none"> ☞ Burlington = 0 ☞ Colchester = 1 (<i>same project as above</i>) ☞ South Burlington = 4 ☞ Williston = 1 <p>Requiring 25 quality control assurance site inspections by VTrans Construction Environmental Engineers.</p>	<p>6 projects (costs are difficult to tease out and are not included)</p>
<p>Stormwater retrofit projects to meet TMDL. Includes:</p> <ul style="list-style-type: none"> ➤ Project development (project management and design) of the Allen Brook TMDL retrofits in I-89 right-of-way (ROW) in Williston 	<p>\$80,000</p>
<p>Maintenance District stormwater and water quality projects (retrofits/restoration/slope stabilization/etc). Includes:</p> <ul style="list-style-type: none"> ➤ Maintenance of check dams in VTrans ROW in South Burlington 	<p>\$600</p>
<p>Stormwater Management System work (new or maintenance); could include DI cleaning, stormwater pipe cleaning, ditching, replacing stormwater pipes, or other. Includes:</p> <ul style="list-style-type: none"> ➤ Cleaning and sediment removal from stormwater structures and street sweeping in VTrans ROW in South Burlington and Williston. ➤ We have no owned or controlled stormwater infrastructure in Burlington. 	<p>\$44,000</p>
<p>Total</p>	<p>\$124,600 plus 6 active projects</p>

5. Per Section 34 (4) report on stormwater programs implemented by VTrans in municipalities with stormwater utilities in the preceding calendar year. Note: Includes VTrans non-grant programs.

Programs / Activity	2017 # / Costs
<p>MS4 Minimum Control Measures (Municipal Separate Storm Sewer System General Permit)</p> <ul style="list-style-type: none"> ➤ Regional Stormwater Education Program http://smartwaterways.org/ ➤ Chittenden County Stream Team Program http://www.ccstreamteam.org/ 	\$5,500
<p>TMDL Stormwater Flow Restoration Planning (FRP) (Stormwater Impaired Watersheds with Total Maximum Daily Loads). Includes:</p> <ul style="list-style-type: none"> ➤ During calendar year 2016 VTrans, using consultants, finalized its FRPs and has identified 23 retrofit treatment practices to be constructed in the coming years treating stormwater from VTrans roadways in these municipalities at a projected cost of \$764,000 (13 retrofits) in Williston plus \$3.2 million (10 retrofits) in So. Burlington. ➤ Additional expenditures are planned for calendar year 2018. 	\$0
<p>TMDL Phosphorus Control/Reduction Retrofit Planning (PCP) (Lake Champlain Phosphorus Impaired Watershed with Total Maximum Daily Load). Includes:</p> <ul style="list-style-type: none"> ➤ PCP efforts will get underway following TS4 Authorization now planned for calendar year 2018. 	\$0
<p>TS4 – Transportation Separate Storm Sewer System Permit Compliance. Includes:</p> <ul style="list-style-type: none"> ➤ VTrans TS4 pending ANR authorization – expected in Spring 2018. 	\$0
<p>Asset Management/Data Collection capturing and updating stormwater collection, conveyance and treatment systems. Includes:</p> <ul style="list-style-type: none"> ➤ Summer Temporary Staff (2) worked over Summer 2017 to collect data and map stormwater infrastructure along VTrans Road networks. Work involved State Roads in Williston and So. Burlington. 	\$31,000
<p>VTrans Training Center and Vermont Local Roads Education/Training Targeting Municipal Staff. Includes:</p> <ul style="list-style-type: none"> ➤ 2 trainings So. Burlington staff attended (4 attendees) 	\$4,100
Total	\$40,600

6. Per Section 34 (4) report on stormwater programs implemented by VTrans in municipalities with stormwater utilities in the preceding calendar year. Note: Includes municipal grants/incentives.

Programs / Activity	2017 # / Costs
<p>Transportation Alternatives in the Municipal Mitigation Assistance Program (requires local match not included in totals listed here). Grant awards include:</p> <ul style="list-style-type: none"> ➤ South Burlington – Design & construction of stormwater infiltration basin and drainage infrastructure along Picard Circle ⌘ (Grant Award = \$229,600) ➤ Williston - Design & construct critical drainage areas (approximately 1,500 linear feet of infiltration trench) at the Lamplite Acres residential neighborhood. ⌘ (Grant Award = \$300,000) 	\$529,600
<p>Municipal Highway & Stormwater Mitigation in the Municipal Mitigation Assistance Program (requires local match not included in totals listed here). Grant awards include:</p> <ul style="list-style-type: none"> ➤ South Burlington - Scoping for replacement of pre-existing culvert on Kimball Ave./Marshall Ave. ⌘ (Grant Award = \$66,240) ➤ South Burlington - Design/ construct expansion of Bartlett Brook stormwater treatment system off US 7 ⌘ (Grant Award = \$375,720) ➤ Burlington - Construction of various stormwater management practices along Main St. ⌘ (Grant Award = \$475,000) ➤ Colchester - Phosphorous Control Plan (scoping) ⌘ (Grant Award = \$40,000) 	\$956,960
<p>Better Roads in the Municipal Mitigation Assistance Program (requires 20% local matching funds not included in totals listed here). Grant awards include:</p> <ul style="list-style-type: none"> ➤ Burlington - Category A Road Erosion Inventory ⌘ (Grant Award = \$2,240) ➤ South Burlington - Category A Road Erosion Inventory ⌘ (Grant Award = \$2,800) ➤ Colchester - Category A Road Erosion Inventory ⌘ (Grant Award = \$5,680) 	\$10,720
<p>Municipal Stormwater Utility Incentive Payments in the Municipal Mitigation Assistance Program using Clean Water Funds. Payments (\$25,000 per town) were made to the following Municipalities:</p> <ul style="list-style-type: none"> ➤ Burlington, Colchester, South Burlington and Williston 	\$100,000
<p>Total (rounded)</p>	\$1.6 million

Full text of Act 158 Section 34

Sec. 34. STORMWATER UTILITY REPORT

On or before January 15, 2017, and annually thereafter until January 15, 2021, the Agency shall report to the House and Senate Committees on Transportation, the House Committee on Fish, Wildlife and Water Resources, and the Senate Committee on Natural Resources and Energy regarding the status of municipal establishment and implementation of stormwater utilities in the State. The report shall include:

(1) the number of municipal stormwater utilities in existence at the time of each report, as indicated by the number of unique municipal rate structures for stormwater mitigation under which the Agency was invoiced in the calendar year preceding a report submitted under this section;

(2) the number of new municipal stormwater utilities established in the State in the calendar year preceding a report submitted under this section;

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(3) the amount of fees paid by the Agency to stormwater utilities in the calendar year preceding a report submitted under this section; and

(4) a list of the stormwater projects or programs implemented by the Agency in municipalities with stormwater utilities in the calendar year preceding a report submitted under this section.