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Memorandum

To: Keith Squires, Stu Hurd, Rob Gaiotti, Ricky Harrington, John O’Keefe, Tom Shuey, Mark Lourie, Suzie dePeyster, Sandy Gaszek, Dave Kiernan, Nancy Bushika, Steve Bendix, Mike Charette

Cc: Jim Sullivan, Andrea Lenhardt, Linda Sciarappa, Michael Walker

From: Michael S. Batcher

Subject: Quarter 1 SWIP Report

Date: October 30, 2018

Part One – Expenses as of September 30, 2018

I have already mailed out the first quarter invoice to all of the towns except Glastenbury, which I will bill at the end of the year. Table 1 below shows the total amount invoiced to each town for the year beginning July 1, 2018 through September 30, 2018. Table 1 also shows the budgeted amount per quarter and for the entire year. As you can see, we are under budget.

Table 1. Quarterly allocation of expenses by town. Note that the quarterly budget indicates the budgeted amount for comparison to actual expenditures.

Town	Population	Share	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Year Total	Quarterly Budget	Annual Budget
Arlington	2,317	0.0661	\$ 1,853.98	\$ -	\$ -	\$ -	\$ 1,853.98	\$ 2,795.70	\$ 11,182.80
Bennington	15,764	0.4496	\$12,610.40	\$ -	\$ -	\$ -	\$ 12,610.40	\$19,015.83	\$ 76,063.33
Dorset	2,031	0.0579	\$ 1,623.98	\$ -	\$ -	\$ -	\$ 1,623.98	\$ 2,448.88	\$ 9,795.52
Glastenbury	8	0.0002	\$ 5.61	\$ -	\$ -	\$ -	\$ 5.61	\$ 8.46	\$ 33.84
Manchester	4,391	0.1252	\$ 3,511.62	\$ -	\$ -	\$ -	\$ 3,511.62	\$ 5,295.33	\$ 21,181.34
Pownal	3,527	0.1006	\$ 2,821.63	\$ -	\$ -	\$ -	\$ 2,821.63	\$ 4,254.88	\$ 17,019.51
Rupert	714	0.0204	\$ 572.18	\$ -	\$ -	\$ -	\$ 572.18	\$ 862.82	\$ 3,451.27
Sandgate	405	0.0116	\$ 325.36	\$ -	\$ -	\$ -	\$ 325.36	\$ 490.62	\$ 1,962.49
Searsburg	109	0.0031	\$ 86.95	\$ -	\$ -	\$ -	\$ 86.95	\$ 131.11	\$ 524.46
Shaftsbury	3,590	0.1024	\$ 2,872.12	\$ -	\$ -	\$ -	\$ 2,872.12	\$ 4,331.01	\$ 17,324.03
Stamford	824	0.0235	\$ 659.13	\$ -	\$ -	\$ -	\$ 659.13	\$ 993.93	\$ 3,975.73
Sunderland	956	0.0273	\$ 765.71	\$ -	\$ -	\$ -	\$ 765.71	\$ 1,154.65	\$ 4,618.61
Woodford	424	0.0121	\$ 339.38	\$ -	\$ -	\$ -	\$ 339.38	\$ 511.77	\$ 2,047.08
Total	35,060	1.0000	\$28,048.05	\$ -	\$ -	\$ -	\$ 28,048.05	\$42,295.00	\$169,180.00

Table 2 shows expenditures for the year thus far by category. We had income from grants from VT ANR and the Agency of Agriculture and Markets. We did not collect donations at the September 15th HHW event nor at those events in Searsburg and Stamford.

Table 2. Expenses by category and income from grants and donations.

Category	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Year Total
BCRC Salary and Benefits	\$ 10,431.15				\$ 10,431.15
Phone, supplies, postage, equipment	\$ 317.78				\$ 317.78
Printing	\$ 366.00				\$ 366.00
Travel	\$ 475.93				\$ 475.93
Advertising	\$ 2,030.60				\$ 2,030.60
Dues	\$ 3,279.48				\$ 3,279.48
Compost bins purchases	\$ -				\$ -
Indirect Costs	\$ 3,363.00				\$ 3,363.00
Total BCRC	\$ 20,263.94				\$ 20,263.94
Berkshire Direct, NERC, Other					
Contracts	\$ 5,867.94				\$ 5,867.94
HHW Contractors	\$ 18,548.48				\$ 18,548.48
Total Contractors	\$ 24,416.42				\$ 24,416.42
Total Expenses	\$ 44,680.36				\$ 44,680.36
Income					\$ -
ANR Grant, Ag and Markets,					
Donations	\$ 16,568.95				\$ 16,568.95
Compost bin sales	\$ 63.36				\$ 63.36
Total	\$ 16,632.31				\$ 16,632.31
Expenses - income	\$ 28,048.05				\$ 28,048.05



Part Two – Summary of Activities

This section summarizes BCRC activities on behalf of the Alliance under the contract for the period July 1 through September 30, 2018. During this period, we engaged in the following activities:

1. We continue to oversee the contract with the Northeast Resource Recycling Council for outreach to businesses and schools. During this quarter:
 - NERC provided assistance to Mt. Anthony Union High School to discuss improvements to their recycling program.
 - Michael Batcher met with Rosanna Moran of the Dorset School to discuss their programs on recycling materials and a possible meeting on food waste diversion. We also discussed the September HHW event held there.

- NERC made on-site visits to 23 businesses this quarter for a total of 29 for this calendar year. We are obligated to provide assistance to 40 businesses.
 - NERC also communicated with six event organizers during this calendar year. Some of the contacted businesses, such as the Riley Rink and Southern Vermont Arts Center also offer space for events so the assistance we provided will also help with solid waste management at multiple events.
2. We held a household hazardous waste event at the Dorset School on September 15th. Table 3 shows the results. We had a total of 192 households. We also had two businesses participate. Table 3 also shows that 50 households participated in the Searsburg and Stamford event in July. The total for the year of 484 exceeds our total for last calendar year of 410 households.

Town	Spring 2018			Stamford & Searsbury			Fall 2018			2018
	First Time	Returning	Total	First Time	Returning	Total	First Time	Returning	Total	Grand Total
Arlington	6	3	9				3	18	21	30
Bennington	49	110	159				5	6	11	170
Dorset	4	2	6				21	28	49	55
Glasterbury	0	0	0				0	0	0	0
Manchester	6	0	6				18	27	45	51
Pawlet							9	9	18	18
Pownal	9	6	15				2	11	13	28
Rupert	1	0	1				4	5	9	10
Sandgate	3	1	4				0	6	6	10
Searsburg	0	0	0	5	2	7	0	0	0	7
Shaftsbury	16	23	39				1	7	8	47
Stamford	3	0	3	29	14	43	0	1	1	47
Sunderland	0	0	0				0	11	11	11
Woodford	0	0	0				0	0	0	0
Totals	97	145	242	34	16	50	63	129	192	484

Overall, we had 194 first time households and 290 returnees for a proportion of first-time households of approximately 40% and of returnees of 60%. In 2019 our HHW events will be on May 18, 2019 at the Bennington Transfer Station from 8:00 AM to 1:00 PM and on September 14, 2019 at the Dorset School from 9:00 AM to 1:00 PM.

3. We continue to update the web site and Facebook page with information on HHW events, how residents and businesses can manage materials, information on food pantries that can accept food donations, and ways to deal with materials such as sharps and pharmaceuticals.
4. TAM brought processed asphalt shingles from Myers Container Services in Colchester, which currently recycles asphalt shingles. These were mixed with materials used for road maintenance on road segments in both Shaftsbury and Pownal. VT ANR and VT

AOT collected pre- and post-treatment information. It appears the results in Pownal were poor as the asphalt shingles were not processed completely and the mix that Pownal uses did not incorporate the asphalt well. The results in Shaftsbury were better, but we will need to wait till spring to see how these two trials hold up.

5. Note also on asphalt shingles that VT ANR is developing guidance on both developing and sharing these facilities. I will be sending you follow-up information on this soon.

Part Three – Actions Needed

1. Alliance towns will need to contact haulers to have them register as required in their individual pay as you throw bylaws.
2. Alliance towns that have not done so need to adopt the updated pay as you throw ordinance. Please send me the updated version when you adopt it.

Part Four – VT ANR 2018 Report

VT ANR submitted their biennial report to the House Committee on Natural Resources, Fish and Wildlife and the Senate Committee on Natural Resources and Energy. The full report is available at: <http://dec.vermont.gov/waste-management/solid>. The following are some excerpts:

On page 5 there is discussion on efforts to improve recycling markets:

“Mixed Paper: In the spring of 2018, the Legislature authorized the ANR Secretary to issue a waiver allowing mixed paper disposal waivers if insufficient recycling markets exist. This provision expires July 1, 2019. To date, no waivers have been requested.

Representatives from ANR, owners of both single-stream MRFs, and the Agency of Commerce and Community Development met with Soundview Holdings Inc. (previously known as Putney Paper) to discuss expanding their Putney paper mill to process recycled mixed paper into paper towels, napkins, and bath tissue. Creating domestic markets for recycled materials will help sustain recycling and retain recycling jobs in the United States and Vermont.

Glass: ANR received a temporary request from Casella Waste Management to utilize recycled glass from the Rutland MRF in road base and construction projects at the NEWSVT landfill in Coventry. ANR granted the request for several months in 2018 and required Casella to submit short- and long-term plans for managing recycled glass.

Chittenden Solid Waste District has invested in glass processing equipment at their Williston MRF that can process glass to meet construction specifications. ANR has been working with VTrans, Chittenden Solid Waste District and local road crews to utilize processed glass aggregate (recycled glass) in road projects.

ANR has also met with representatives from Glavel—a New York based company that creates a foam glass aggregate from recycled glass for use in building and construction projects. Glavel representatives are proposing to build a foam glass manufacturing facility in St. Albans

Vermont. The facility will use glass powder as a feedstock, and there is the potential that some recycled glass from VT could eventually be used by this facility if it is able to be processed to their specifications.”

Food Scraps

On page 8 there is a discussion on hauler requirements for food scrap collection:

“Given that most haulers wish to remove the hauling requirement and SWMEs generally prefer service in dense areas, services only to commercial and residential customers, or a hauler exemption, the Agency recommends the Legislature amend the Universal Recycling law to only require haulers to offer collection of food scraps to their commercial customers and multi-residential (4 or more units) customers, unless they can demonstrate another hauler is providing such collection services in that area.

This amendment would:

- a. Exempts all haulers from collecting of food scraps from single family residents and multi-residential units of less than 4 units.
- b. Allows the market to work by exempting haulers from offering collection of food scraps from commercial customers (such as businesses) or multi-residential (4 or more units) when they can show that another hauler is collecting in that area. This provides a business opportunity for those haulers that want to pick up food scraps.
- c. Simplifies the existing hauler exemption process for food scrap collection which currently requires an amendment by a SWME to their Solid Waste Implementation Plan (SWIP)
- d. Haulers can also subcontract collection services (as allowed under current law).
- e. Assures food scrap collection services will be provided to businesses and larger multi-residential units that produce the most food waste and who would have the most difficulty composting onsite or self-hauling to nearby drop-off locations.”

Pages 12-16 contain a discussion on extended producer responsibility programs such as E-waste, fluorescent bulbs, and paint. The table below shows the amount of material collected in 2017.

Product	AMOUNT COLLECTED IN PROGRAM YEAR 2017	CONVENIENCE	IMPACTS
Electronics	4,312,381 lbs. of electronics (6.89 lbs. per capita)	Over 100 collection sites across the state	<ul style="list-style-type: none"> • Highest per capita collection rate nationally • Lbs. declining due to fewer CRTs
Mercury Lamps (Bulbs)	202,926 lbs. of lamps	Over 150 collection sites across the state	Highest recovery and per capita collection rates nationally

Product	AMOUNT COLLECTED IN PROGRAM YEAR 2017	CONVENIENCE	IMPACTS
Mercury Thermostats	2,468 thermostats	Over 160 collection sites across the state	166.6 lbs. of mercury collected since start of program in 2010 Highest per capita collection rate nationally
Mercury Auto Switches	244 switches	70 participating collection sites	5,606 switches and 12.34 lbs. of mercury collected since start of program in 2007
Primary Batteries	133,619 lbs. of batteries	98% population within 10 miles of a collection site	Collection of primary batteries has increased by 2,300% since program started Collection of rechargeable batteries has increased by 43% since program started
Paint	96,109 gallons of paint (July 2016-June 2017)	99.5% population within 15 miles of a collection site	Collection has increased by an average of 78% since the program started Highest recovery rate of all state programs

Finally, page 17 discussed household hazardous waste. I copied the figure from the report which, as of yet, does not include 2017 numbers. As you can see, there has been an increase in total HHW collected since 2014.

