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Memorandum

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Cc: Jim Sullivan, Andrea Lenhardt

From: Michael S. Batcher and Paula Kamperman

Subject: 2020 to 2021 SWIP Report

Date: September 9, 2021

Part One – Expenses as of June 30, 2020

Table 1 below shows the total amount invoiced to each town for each quarter from July 1, 2020 to June 30, 2021, including the most recent fourth quarter. The table also shows the budgeted amount per quarter and for the entire year. As you can see, we continue to be under budget. This is because 1) we accrued \$45,250 from last fiscal year, and we received \$54,874.32 in grant income from VT ANR and the Agency of Agriculture and Markets (Table 2). Since we had three household hazardous waste events this contract year, the total for HHW contractors was \$98,120.54 or over half of our total expenses (see Table 2 below).

Our grant agreement with the Agency of Agriculture and Markets provides up to \$16,000.00 in reimbursement between July 1, 2019 and June 30, 2023. We have already spent \$15,075.00, and once we hit the grant limit, there are no additional funds available. Without this reimbursement, our pesticide costs will increase our HHW expenses.

Town	2010 Population	2010 Share	Quarter 1	Quarter 2	Quarter 3	2020 Population	2020 Share	Quarter 4	Year Total	Quarterly Budget	Annual Budget
Arlington	2,317	0.0661	\$ 4,303.13	\$ (1,061.60)	\$ 474.73	2,457	0.0707	\$ 4,141.44	\$ 10,314.77	\$ 3,440.92	\$ 13,763.67
Bennington	15,764	0.4496	\$ 29,269.06	\$ (7,220.84)	\$ 3,229.01	15,333	0.4412	\$ 25,844.83	\$ 66,455.51	\$ 23,404.49	\$ 93,617.96
Dorset	2,031	0.0579	\$ 3,769.30	\$ (929.91)	\$ 415.84	2,133	0.0614	\$ 3,595.32	\$ 8,983.61	\$ 3,014.06	\$ 12,056.23
Glastenbury	8	0.0002	\$ 13.03	\$ (3.21)	\$ 1.44	9	0.0003	\$ 15.17	\$ 35.42	\$ 10.41	\$ 41.65
Manchester	4,391	0.1252	\$ 8,150.55	\$ (2,010.79)	\$ 899.18	4,484	0.1290	\$ 7,558.09	\$ 19,081.17	\$ 6,517.44	\$ 26,069.77
Pownal	3,527	0.1006	\$ 6,549.08	\$ (1,615.70)	\$ 722.51	3,258	0.0937	\$ 5,491.58	\$ 14,405.57	\$ 5,236.86	\$ 20,947.44
Rupert	714	0.0204	\$ 1,328.04	\$ (327.64)	\$ 146.51	698	0.0201	\$ 1,176.53	\$ 3,021.46	\$ 1,061.95	\$ 4,247.79
Sandgate	405	0.0116	\$ 755.16	\$ (186.30)	\$ 83.31	387	0.0111	\$ 652.32	\$ 1,691.49	\$ 603.85	\$ 2,415.41
Searsburg	109	0.0031	\$ 201.81	\$ (49.79)	\$ 22.26	126	0.0036	\$ 212.38	\$ 512.67	\$ 161.37	\$ 645.50
Shaftsbury	3,590	0.1024	\$ 6,666.26	\$ (1,644.60)	\$ 735.43	3,598	0.1035	\$ 6,064.68	\$ 15,419.87	\$ 5,330.56	\$ 21,322.24
Stamford	824	0.0235	\$ 1,529.86	\$ (377.42)	\$ 168.78	861	0.0248	\$ 1,451.28	\$ 3,633.51	\$ 1,223.32	\$ 4,893.29
Sunderland	956	0.0273	\$ 1,777.24	\$ (438.45)	\$ 196.07	1,056	0.0304	\$ 1,779.96	\$ 4,370.85	\$ 1,421.14	\$ 5,684.54
Woodford	424	0.0121	\$ 787.71	\$ (194.33)	\$ 86.90	355	0.0102	\$ 598.38	\$ 1,633.67	\$ 629.88	\$ 2,519.52
Total	35,060	1.0000	\$65,100.23	\$ (16,060.59)	\$7,181.97	34,755	1.000	\$58,581.96	\$149,559.57	\$52,056.25	\$208,225.00

Category	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Year Total
BCRC Expenses					
Salary & Benefits.	\$ 15,859.39	\$ 9,859.50	\$ 4,909.81	\$ 11,560.17	\$ 42,188.87
Phone, Supplies, post & equip.	\$ 10.70	\$ -	\$ 104.60	\$ 40.69	\$ 155.99
Travel	\$ -	\$ 150.66	\$ -	\$ -	\$ 150.66
Copying Costs	\$ 115.10	\$ 0.03	\$ -	\$ -	\$ -
Indirect Costs	\$ 10,326.04	\$ 6,371.12	\$ 3,196.76	\$ 7,526.85	\$ 27,420.77
Total BCRC	\$ 26,311.23	\$ 16,381.31	\$ 8,211.17	\$ 19,127.71	\$ 70,031.42
Events and other expenses					
Web site	\$ 585.48	\$ 614.97	\$ 209.93	\$ 2,634.97	\$ 4,045.35
Dues	\$ 1,844.30	\$ 231.08	\$ 2,200.40	\$ 99.00	\$ 4,374.78
Printing	\$ 331.68	\$ -	\$ -	\$ -	\$ 331.68
Advertising.	\$ 8,055.40	\$ 790.98	\$ 300.00	\$ 3,345.50	\$ 12,491.88
Compost bin purchase	\$ 12,061.94	\$ -	\$ 386.81	\$ 94.32	\$ 12,543.07
Equipment	\$ 1,127.78	\$ 57.33	\$ -	\$ 855.52	\$ 2,040.63
Kamperman	\$ 12,786.02	\$ 9,355.56	\$ 11,934.25	\$ 12,085.98	\$ 46,161.81
HHW Contractors	\$ 56,421.40	\$ -	\$ -	\$ 36,699.14	\$ 93,120.54
Traffic Control	\$ 702.00	\$ -	\$ -	\$ 240.00	\$ 942.00
Total Other Expenses	\$ 93,916.00	\$ 11,049.92	\$ 15,031.39	\$ 56,075.42	\$ 176,072.73
Donations to MAUS and Dorset School	\$ 600.00	\$ -	\$ -	\$ -	\$ 600.00
Total Expenses	\$ 120,827.23	\$ 27,431.23	\$ 23,242.56	\$ 75,203.13	\$ 246,704.15
Income					
Donations	\$ 1,317.42	\$ -	\$ -	\$ 1,194.00	\$ 2,511.42
Ag and Markets (Pesticides)	\$ -	\$ 8,875.00	\$ -	\$ 3,750.00	\$ 12,625.00
ANR	\$ -	\$ 32,499.48	\$ -	\$ 9,749.84	\$ 42,249.32

Category	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Year Total
Compost bin sales	\$ 9,159.58	\$ 1,260.85	\$ -	\$ 1,927.33	\$ 12,347.76
Pawlet Payment		\$ 856.49	\$ -	\$ -	\$ 856.49
Total Income	\$ 10,477.00	\$ 43,491.82	\$ -	\$ 16,621.17	\$ 70,589.99
Expenses - Income	\$ 110,350.23	\$ (16,060.59)	\$ 23,242.56	\$ 58,581.96	\$ 176,114.16
Accrual from 2019 to 2020	\$ 45,250.00			\$ -	\$ 45,250.00
Carry over				\$ -	\$ -
Quarter 2 Carry Over			\$ 16,060.59	\$ -	\$ 16,060.59
Total Due	\$ 65,100.23	\$ (16,060.59)	\$ 7,181.97	\$ 58,581.96	\$ 114,803.57

Part Two – 2020 to 2021 Activities

2020 Solid Waste Implementation Plan: During much of 2020, we worked on the 2020 Solid Waste Implementation Plan (SWIP) as required by the Vermont Agency of Natural Resources and their Materials Management Plan, which was updated in 2019. The 2020 SWIP is similar to the 2015 SWIP but places more emphasis on outreach to businesses, schools and institutions. In addition, the Alliance is now required to hold three household hazardous waste events so as to serve Stamford and Searsburg due to their distance from sites where we currently hold events.

Table 3 below shows the amounts of materials collected at the seven transfer stations in the BCSWA service area. The amount of all types has increased, with municipal solid waste, organics and recyclables increasing significantly. This does not include paint, bulbs collected by retail stores, textiles or E-waste. Those amounts have increased as well, but reporting is less reliable. This table is intended to give you a sense of trends during the previous five years.

Material Type	Annual amounts collected in tons					Grand Total
	2016	2017	2018	2019	2020	
Batteries	1.5	1.4	2.1	1.9	2.5	9.2
Clean Wood	-		2.0			2.0
Construction and Demolition Debris	1,532.5	1,625.6	4,252.6	1,683.4	399.8	9,493.9
Leachate	96.0	64.0	96.0	-		256.0
Leaf and Yard Debris	1.0		2.0	0.3	1.2	4.6
Mercury Lamps	0.8	0.2	0.6	1.1	0.7	3.3
Municipal Solid Waste	37,031.4	39,080.3	40,656.0	42,040.7	35,701.0	194,509.4
Organics		316.3	5,120.4	4,360.0	7,647.8	17,444.5
Recyclables	7,756.5	10,078.3	12,679.0	10,604.3	18,579.4	59,697.5
Tires	123.5	47.8	73.1	77.4	213.0	534.8

Material Type	Annual amounts collected in tons					Grand Total
	2016	2017	2018	2019	2020	
Grand Total	46,543.1	51,213.8	62,883.8	58,769.1	62,545.5	281,955.2

2020 Census: The results of the 2020 census indicate a reduction of 305 persons in the total population of the 13 towns within the Alliance. Bennington, Pownal, Rupert, Sandgate and Woodford lost population while the other eight towns gained. The table below shows the changes since 2010 as well as the new proportions to be used to allocate costs.

Table 4. 2010 vs. 2020 town populations and cost share proportions for the BCSWA towns

Town	2020 Population	2010 Population	2010-2020 Change	2010 Share	2020 Share
Arlington	2,457	2,317	140	0.0661	0.0707
Bennington	15,333	15,764	(431)	0.4496	0.4412
Dorset	2,133	2,031	102	0.0579	0.0614
Glastenbury	9	8	1	0.0002	0.0003
Manchester	4,484	4,391	93	0.1252	0.1290
Pownal	3,258	3,527	(269)	0.1006	0.0937
Rupert	698	714	(16)	0.0204	0.0201
Sandgate	387	405	(18)	0.0116	0.0111
Searsburg	126	109	17	0.0031	0.0036
Shaftsbury	3,598	3,590	8	0.1024	0.1035
Stamford	861	824	37	0.0235	0.0248
Sunderland	1,056	956	100	0.0273	0.0304
Woodford	355	424	(69)	0.0121	0.0102
Totals	34,755	35,060	(305)	1.0000	1.0000

Redesign of BCSWA Web Site: This past year we put out a request for proposals and reviewed over 20 applications to redesign the BCSWA website. The website needs to be updated given the new SWIP and new information developed from multiple sources since 2015. We hired Terrier Tenacity located in Colorado, but formerly in Vermont. Paula Kamperman, our Outreach Program Manager, has been updating handouts she uses for outreach, and these will form the basis of the website content. We hope to have the new site up and running by late summer/early fall.

Business Outreach: 2020 was a difficult year for outreach due to COVID-19. Many businesses were closed or limiting their operations, and recycling was not the uppermost concern. We could not visit many businesses due to the COVID-19 restrictions. Nevertheless, Paula Kamperman, our Outreach Program Manager, was able to complete the required outreach to 45 businesses by the end of calendar year 2020. She completed some of this with visits where possible, and otherwise via phone, email or a series of webinars that she produced and lead. Primary topics were the landfill ban on food scraps that went into effect on July 1, 2020, the ban on single-use plastics that also went into effect on that date, and some outreach on

hazardous materials. She provided outreach to several residential units including Bennington Apartments, the Bennington Housing Authority, Cross Apartments in Bennington and some private landlords. We also received calls from condominium units, primarily in Manchester, for which haulers are not required to provide food scrap collection. Some were interested in on-site composting, but most had logistical problems including how to collect materials and where to store them for pickup along with trash and recyclables.

In the first half of 2021, Paula has provided assistance to 13 businesses and institutions. We have had several follow-up conversations with the Second Congregational Church of Bennington which is exploring accepting food scraps from the wider neighborhood as few residents have easy access to the transfer station or can compost at home.

School Outreach: COVID-19 also made outreach to schools difficult. Many schools were closed and operating via remote learning. When schools were open, they provided meals within classrooms to limit contact that would otherwise occur in the cafeteria. VT ANR provided funding for four gallon buckets for students to place food scraps and compostables in the classroom. We contacted all schools in the BCSWA service area offering buckets and provided a total of 150 buckets to schools that requested them which included: the Dorset School, Forest Ward Memorial School, Grace Christian School, Hiland Hall School, Maple Street School, Molly Stark Elementary, Monument Elementary, Mt. Anthony Union High School, Mt. Anthony Union Middle School, Pownal Elementary, Sacred Heart, Southshire Community School, Stamford Elementary, Village School of North Bennington, Red Fox Community School, and Woodford Elementary. We also provided assistance to Burr and Burton on their recycling efforts.

School outreach in the first half of 2021 has focused on proper disposal of recyclables as well as the potential for recycling of plastic film. Paula met with the Abbey Group, which serves most of the schools in our area to discuss their use of certain materials, composed of black plastic, that are not recyclable. Schools have also shown interest in recycling batteries.

Event Outreach: Nearly all events were cancelled in 2020, but we provided consultation via email or phone where possible to multiple venues. Events remain slow this year as well, but Paula has provided consultation to Lake Paran, the Northshire Civic Center and Garlic Town, USA. We are planning a larger discussion of event management at the October BCSWA meeting.

Household Hazardous Waste Events: We held an event in Bennington at the Mt. Anthony Union Middle School in August of 2020 and May 2021, and at the Dorset School in September of 2020. The traffic flow at Mt. Anthony Union was much more manageable than it had been at the Bennington Transfer Station. Table 5 below shows total number for the two events held in late summer of 2020 and the spring 2021 Bennington event.¹ Forty-one percent (41%) were first time users and 59% were returnees.

¹ The spring 2020 event was postponed due to COVID-19 restrictions.

Table 5. Number of households participating in July 1, 2020 to June 30, 2021 HHW collections

Town	Bennington	Dorset	Bennington May 2021	Total
	August 2020	September 2020		
Arlington	19	18	27	64
Bennington	145	17	206	368
Dorset	9	70	13	92
Glastenbury	0	0	0	0
Manchester	19	48	23	90
Pawlet	0	4	0	4
Pownal	38	15	36	89
Rupert	2	9	0	11
Sandgate	4	2	8	14
Searsburg	1	0	1	2
Shaftsbury	41	14	54	109
Stamford	4	0	6	10
Sunderland	10	7	7	24
Woodford	1	0	3	4
Totals	293	204	384	881

We report HHW details to VT ANR on a calendar year basis, so for 2020, the 2020 two event collections totaled 33.22 tons. By comparison, we collected 20.08 tons in 2018, and 29.54 tons in 2019.

We had a few businesses as well as schools and Town of Bennington disposals.

Compost Bin Sales: In 2020, we sold 42 Busch Soil Saver Backyard Composters, 45 Busch Kitchen Composters, 60 Green Cones and 16 3.5 gallon pales. We sold the unsold stock this past spring including 34 Soil Savers, 5 Kitchen Composters, and one of the 4-gallon green buckets we had provided schools. Sales were high in 2020 as the landfill ban on food scraps went into effect on July 1st.

Legislation: the state legislature was focused on COVID-19 this past year. We continued to work with the Vermont Product Stewardship Council on legislation to require manufacturers to pay for disposal of household hazardous waste as well as requiring manufacturers to pay for packaging materials. We hope both will move forward in 2021 and 2022.

Household Hazardous Waste Facility: The BCSWA received a grant of \$69,190.00 for the development of a permanent household hazardous waste facility at the Bennington Transfer Station. The facility will accept household hazardous waste from residents and conditionally exempt generator waste from small businesses. The BCSWA will no longer need to hold household hazardous waste events. Estimated total costs are \$120,000 with the 13 towns providing the match. BCSWA is now a member of VLCT which will provide the necessary insurance required by VT ANR. The facility will open by August 1, 2023.

Asphalt Shingle Facility: The Town of Bennington received a grant from the Vermont Agency of Natural Resources to help pay for the development of an asphalt shingle receiving facility at the Bennington Transfer Station. Total estimated costs are \$10,000 with \$6,000 coming from VT ANR and the rest from the 13 towns of the BCSWA. The facility is to open July 1, 2021.