



Rivanna Solid Waste Authority

Board of Directors Regular Meeting

June 26, 2018

2:00pm



RIVANNA SOLID WASTE AUTHORITY

695 Moores Creek Lane • Charlottesville, Virginia 22902 • (434) 977-2970

BOARD OF DIRECTORS

Regular Meeting of the Board of Directors of Rivanna Solid Waste Authority

DATE: June 26, 2018

LOCATION: Conference Room, Administration Building
695 Moores Creek Lane, Charlottesville, VA

TIME: 2:00 p.m.

AGENDA

- 1. CALL TO ORDER**
- 2. MINUTES OF PREVIOUS BOARD MEETING**
 - a. Minutes of the Regular Meeting of the Board on May 22, 2018*
- 3. RECOGNITION**
- 4. EXECUTIVE DIRECTOR'S REPORT**
- 5. ITEMS FROM THE PUBLIC**
- 6. RESPONSES TO PUBLIC COMMENTS**
- 7. CONSENT AGENDA**
 - a. Staff Report on Finance*
 - b. Staff Report on Ivy Material Utilization Center/Recycling Operations Update*
 - c. Staff Report on Ivy Landfill Environmental Status*
 - d. Staff Report on Ongoing Projects*
- 8. OTHER BUSINESS**
 - a. Presentation: Recycling at the McIntire Recycling Center; Phil McKalips, Environmental & Safety Manager*
- 9. OTHER ITEMS FROM BOARD/STAFF NOT ON AGENDA**

(RECESS THE RSWA MEETING TO BEGIN THE RSWA MEETING; MOTION REQUIRED)
- 10. CLOSED MEETING**

(JOINT CLOSED SESSION WITH THE RSWA; RECONVENE THE RSWA MEETING; MOTION REQUIRED)
- 11. ADJOURNMENT**

GUIDELINES FOR PUBLIC COMMENT AT RIVANNA BOARD OF DIRECTORS MEETINGS

If you wish to address the Rivanna Board of Directors during the time allocated for public comment, please raise your hand or stand when the Chair asks for public comments.

Members of the public requesting to speak will be recognized during the specific time designated on the meeting agenda for "Items From The Public." Each person will be allowed to speak for up to three minutes. When two or more individuals are present from the same group, it is recommended that the group designate a spokesperson to present its comments to the Board and the designated speaker can ask other members of the group to be recognized by raising their hand or standing. Each spokesperson for a group will be allowed to speak for up to five minutes.

During public hearings, the Board will attempt to hear all members of the public who wish to speak on a subject, but it must be recognized that on rare occasion presentations may have to be limited because of time constraints. If a previous speaker has articulated your position, it is recommended that you not fully repeat the comments and instead advise the Board of your agreement. The time allocated for speakers at public hearings are the same as for regular Board meetings, although the Board can allow exceptions at its discretion.

Speakers should keep in mind that Board of Directors meetings are formal proceedings and all comments are recorded on tape. For that reason, speakers are requested to speak from the podium and wait to be recognized by the Chair. In order to give all speakers proper respect and courtesy, the Board requests that speakers follow the following guidelines:

- Wait at your seat until recognized by the Chair.
- Come forward and state your full name and address and your organizational affiliation if speaking for a group;
- Address your comments to the Board as a whole;
- State your position clearly and succinctly and give facts and data to support your position;
- Summarize your key points and provide the Board with a written statement, or supporting rationale, when possible;
- If you represent a group, you may ask others at the meeting to be recognized by raising their hand or standing;
- Be respectful and civil in all interactions at Board meetings;
- The Board may ask speakers questions or seek clarification, but recognize that Board meetings are not a forum for public debate; Board Members will not recognize comments made from the audience and ask that members of the audience not interrupt the comments of speakers and remain silent while others are speaking so that other members in the audience can hear the speaker;
- The Board will have the opportunity to address public comments after the public comment session has been closed;
- At the request of the Chair, the Executive Director may address public comments after the session has been closed as well; and
- As appropriate, staff will research questions by the public and respond through a report back to the Board at the next regular meeting of the full Board. It is suggested that citizens who have questions for the Board or staff submit those questions in advance of the meeting to permit the opportunity for some research before the meeting.

The agendas of Board meetings, and supporting materials, are available from the RWSA Administration Office upon request or can be viewed on the Rivanna website(s)



RIVANNA SOLID WASTE AUTHORITY

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RSWA BOARD OF DIRECTORS Minutes of Regular Meeting May 22, 2018

A regular meeting of the Rivanna Solid Waste Authority (RSWA) Board of Directors was held on Tuesday, May 22, 2018 at 2:00 p.m. in the 2nd floor conference room, Administration Building, 695 Moores Creek Lane, Charlottesville, Virginia.

Board Members Present: Mr. Mike Gaffney – presiding, Mr. Trevor Henry, Ms. Kathy Galvin, Mr. Paul Oberdorfer, and Mr. Jeff Richardson.

Board Members Absent: Mr. Maurice Jones, Dr. Liz Palmer.

Staff Present: Mr. Mark Brownlee, Mr. Bill Mawyer, Ms. Katie McIlwee, Mr. Philip McKalips, Mr. David Rhodes, Ms. Michelle Simpson, Ms. Andrea Terry, Mr. Lonnie Wood, and Ms. Devon Yi (intern).

Also Present: Mr. Kurt Krueger – RSWA Counsel, members of the public, and media representatives.

1. CALL TO ORDER

Mr. Gaffney called the meeting to order at 2:01 p.m.

2. MINUTES OF PREVIOUS BOARD MEETING

a. Minutes of the Regular Meeting of the Board of April 24, 2018

There were no changes to the minutes.

Ms. Galvin moved to approve the minutes of the RSWA April 24, 2018 meeting as presented. Mr. Richardson seconded the motion, which passed unanimously (5-0). Dr. Palmer and Mr. Jones were absent from the meeting and the vote.

3. RECOGNITION

There were no recognitions presented.

4. EXECUTIVE DIRECTOR'S REPORT

Mr. Mawyer reported that the Ivy Transfer Station project was progressing well, and he referenced an image of the plan that showed the location of the planned recycling area, the retaining wall and dump area, and the chute that carried material to the transfer truck. He noted that they may have a grand opening as early as August, depending on favorable weather conditions. Mr. Mawyer mentioned that they had recently had to do a redesign on the exit road, and Mr. Henry along with other county staff worked very quickly to get it approved. He noted that Michelle Simpson served as project manager for the Ivy Transfer Station.

Mr. Mawyer reported that the spring Household Hazardous Waste Amnesty Days had gone well, with more than 680 city and county residents participating and over 30,000 pounds of furniture and mattresses and 13,000 pounds of appliances collected. He thanked Mark Brownlee, David Rhodes, and Phil McKalips for organizing the event, and noted that the first Electronic Waste Amnesty Day would be held on Saturday, July 21 from 10 a.m. to 2 p.m., with more information soon to follow. Mr. Mawyer stated that people would likely be asked to make reservations so that Rivanna was not overwhelmed.

Mr. Gaffney asked if this was just for households and not businesses.

Mr. Mawyer confirmed that it was just for households.

Mr. Mawyer reported that Rivanna had rebid the transportation and disposal contract, with a company that would have trucks sit in the tunnel and haul refuse away, and Thompson Trucking – the current contractor – was the successful low bidder. Mr. Mawyer stated that Thompson offered a price at \$16 per ton lower than what was currently being paid, likely because of larger trailers that could carry more and lower the per-load cost. He noted that the refuse would continue to go to Amelia County Landfill, which was owned by Waste Management Inc.

Mr. Gaffney asked if the lowered transportation costs would allow Rivanna to lower rates and attract more business.

Mr. Mawyer responded that it might, but added that transportation was only approximately 30% of total cost. He stated that they would be doing a rate study as to how much should be charged at the Ivy facility to transfer, with an eye towards reducing the deficit the cost center currently holds. Mr. Mawyer noted the goal was to encourage more volume by reducing the unit price, following the dynamics at Zion Crossroads and talking with Waste Management, as this would increase revenue and decrease the deficit. He noted that staff would come to the Board in August to discuss a potential rate change.

Mr. Richardson commented that gas prices played into that as well, given the distance to Zion Crossroads.

Mr. Mawyer agreed, adding that Mr. Wood was working on the financial aspects of this to see what changes they would recommend to the Board, if any, with the \$66 tip fee – and whether lowering it would increase the tonnage and overcome the loss of revenue with greater volume.

Mr. Gaffney asked what the current rate at Zion Crossroads was.

Mr. Mawyer confirmed that it was \$54, but they had contracts with various vendors who could be getting different rates. He emphasized that the question was whether they would let anyone and everyone come there or whether they would restrict use of it, which would put Rivanna in a better position with the Ivy facility.

5. ITEMS FROM THE PUBLIC

Mr. Gaffney invited items from the public. There being none offered, the item was closed.

6. RESPONSES TO PUBLIC COMMENTS

There were no responses to public comments for this month.

7. CONSENT AGENDA

a. Staff Report on Finance

b. Staff Report on Ivy Material Utilization Center/Recycling Operations Update

c. Staff Report on Ivy Landfill Environmental Status

d. Staff Report on Ongoing Projects

e. Proposed Amendment No. 7 to the Local Government Agreement for Recycling Programs

f. Recommendation to Approve Transportation and Disposal Contract from the New Ivy Transfer Station, Thompson Trucking

Mr. Galvin moved to adopt the resolution as presented. Mr. Henry seconded the motion, which passed unanimously (5-0). Dr. Palmer and Mr. Jones were absent from the meeting and the vote.

8. OTHER BUSINESS

a. Proposed Fiscal Year 2018-2019 Budget Review, Public Hearing and Rate Resolution Adoption: Bill Mawyer, Executive Director

Mr. Mawyer reported that the budget for solid waste was \$3.2 million, with \$1.3 million dedicated to the Ivy Transfer Station, followed by environmental remediation, recycling, and general operations. He stated that the budget included a 3% merit pool for staff, a 10% increase in estimated healthcare costs, four additional positions – including an equipment operator and attendant to support the Transfer Station. Mr. Mawyer noted there was also a position for a scale clerk, who would be 79% allocated to the transfer operation to get more customers in and out through the scales. He noted that there was also an administrative position of a division director to help manage the ongoing programs at Ivy, McIntire, and the Paper Sort.

134 Mr. Mawyer reported that the rate resolution had no change in tipping fees at Ivy from last year,
135 but a compost fee of \$178 per ton for businesses had been added for those who wanted to bring
136 compostable food waste to Ivy, which was currently a free service at McIntire and Ivy for
137 residents. He stated that they may revisit the tipping fees in the fall as they further explore
138 market dynamics. Mr. Mawyer noted that now that they had a better idea of when the transfer
139 station would be completed, they would need to get the staffing and possibly adjust the rates. He
140 noted that they would likely discuss new rates in August and introduce them following Board
141 approval in November, becoming effective in December or January.

142
143 Mr. Mawyer stated that the city's support of RSWA was approximately \$207,000, an increase of
144 \$28,000 proposed for next year; and the county's support was \$1.25 million, an increase of
145 \$479,000, largely for the transfer operations and staff. He presented a depiction of how the four
146 new positions would fit into the Rivanna organization, with the solid waste administrator
147 reporting to him and a scale clerk, equipment operator and attendant within the operations group.
148 Mr. Mawyer noted that this would increase the current 9 positions to 13.

149
150 Mr. Mawyer presented the resolution advertised in the newspaper, with tipping fees remaining
151 unchanged but the compostable food waste charge of \$178 added for businesses only.

152
153 Mr. Gaffney asked if the \$190 for tires was measured by ton.

154
155 Mr. Mawyer confirmed that it was per ton, but noted that they also had per-tire item fees for tires
156 such as large truck tires, with and without rims.

157
158 Mr. Richardson asked if they had discussed health insurance at their April meeting, and he noted
159 the 10% increase.

160
161 Mr. Wood responded that they had discussed the difference between a fully insured market,
162 which Rivanna is in, versus the self-insured market that the city and county are in, noting that
163 they don't have quite the control over claims, reserves, and rates as a self-insured market.

164
165 Mr. Richardson asked if the 10% increase was just on the employer side.

166
167 Mr. Wood responded that it was a total increase, including premium, enrollment changes, etc.

168
169 Mr. Richardson clarified that his question was whether the 10% would be shared by employer
170 and employees, or whether employee rates would be intact.

171
172 Mr. Mawyer confirmed employee premiums would not increase, with all of the increase burden
173 borne by Rivanna.

174
175 Mr. Richardson noted that 10% was not a terrible year in terms of renewal rates, as increases
176 were ranging from 5-10%. He stated that he was also supportive of the 3% merit pool increase
177 and holding employees harmless on insurance – otherwise they were giving raises to pay for
178 health insurance.

Mr. Mawyer confirmed that this was why they held premiums steady for FY19, noting that the previous year they had made a major change in allocation for premiums – with the average premium for family coverage in FY17 being \$900 per month, reduced to about \$500 per month in FY18.

Public Hearing on Proposed Rates

Mr. Gaffney opened the public hearing on the proposed tipping fees presented to the Board. No one wished to speak at the public hearing and Mr. Gaffney closed the public hearing.

Mr. Oberdorfer moved to approve the FY2018-2019 operating budget and rate resolution as presented. Ms. Galvin seconded the motion, which passed unanimously (5-0). Dr. Palmer and Mr. Jones were absent from the meeting and the vote.

9. OTHER ITEMS FROM BOARD/STAFF NOT ON AGENDA

There were none presented.

10. CLOSED MEETING

There was no closed meeting.

11. ADJOURNMENT

At 2:17 p.m., Ms. Galvin moved to adjourn the RSWA Board meeting. Mr. Oberdorfer seconded the motion, which passed unanimously (5-0). Dr. Palmer and Mr. Jones were absent from the meeting and the vote.



MEMORANDUM

**TO: RIVANNA SOLID WASTE AUTHORITY
BOARD OF DIRECTORS**

FROM: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: EXECUTIVE DIRECTOR'S REPORT

DATE: JUNE 26, 2018

New Ivy Refuse Transfer and Recycling Station

SP GOAL: Infrastructure and Master Planning

Construction is progressing. Grand Opening of the facility is anticipated in late August 2018.

Electronic Waste Recycling Day

SP GOAL: Environmental Stewardship; Solid Waste Services

The first Electronic Waste (eWaste) Amnesty Day will be held at the Ivy MUC on Saturday, July 21, 2018. The event was advertised in the Daily Progress on June 24, 2018. On-line registration is required.

Storm Debris Collection

SP GOAL: Environmental Stewardship; Solid Waste Services

At the County's request, we allowed residents to dispose of their storm related debris for free at the Ivy MUC. This program ran from June 1 to June 16, 2018. Statistics for this free collection are:

- Vegetative Debris Received: 75.89 tons
- Number of Customers: 181
- Average Weight per Customer: 839 pounds
- Total Cost (includes \$1 Service Fee per customer): \$3,920.00



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MEMORANDUM

**TO: RIVANNA SOLID WASTE AUTHORITY
BOARD OF DIRECTORS**

**FROM: LONZY WOOD, DIRECTOR OF FINANCE AND
ADMINISTRATION**

SUBJECT: MAY 2018 FINANCIAL SUMMARY

DATE: JUNE 26, 2018

The results of operations and remediation activities for the first eleven months of this fiscal year are summarized below:

	<u>Operating Results</u>	<u>Remediation Results</u>	<u>Total</u>
Total Revenues	\$ 1,275,449	\$ -	\$ 1,275,449
Total Expenses	<u>(1,836,449)</u>	<u>(580,565)</u>	<u>(2,417,014)</u>
Net operating results	(561,000)	(580,565)	(1,141,565)
Support - MOU & Local	<u>640,098</u>	<u>396,787</u>	<u>1,036,885</u>
Surplus/(Deficit)*	<u>\$ 79,098</u>	<u>\$ (183,778)</u>	<u>\$ (104,680)</u>

* Cash reserves are used when deficits occur. (Use of up to \$278,000 in reserves for an expected shortfall for remediation was included in FY 2018 budget.)

Total operating revenues through May were 7% over budget and total operating expenses were 3% over budget. The Authority has processed 15,730 tons of waste this fiscal year. A breakdown of net revenue or cost per ton, including overhead and administrative support costs, is shown below.

	<u>Ivy MSW</u>	<u>Ivy - All Other</u>	<u>Recycling</u>	<u>Total</u>
Tonnage	7,528	6,482	1,720	15,730
Net operating costs	\$ (243,168)	\$ (57,092)	\$ (260,740)	\$ (561,000)
Net revenue (cost) per ton	\$ (32.30)	\$ (8.81)	\$ (151.59)	\$ (35.66)

Attachments

RIVANNA SOLID WASTE AUTHORITY
REVENUE AND EXPENSE SUMMARY REPORT
FISCAL YEAR 2018
FOR THE MONTH ENDED 5/31/18

Target Rate: 91.67%

Operations	Budget	Actual Y-T-D	IVY OPERATIONS		MSW-IVY TRANSFER		RECYCLE OPERATIONS		ADMIN. SERVICES	
				Actual		Actual		Actual		Actual
			Budget	Y-T-D	Budget	Y-T-D	Budget	Y-T-D	Budget	Y-T-D
REVENUES										
Ivy Operations Tipping Fees	\$ 189,860	162,973	\$ 189,860	162,973						
Ivy MSW Transfer Tipping Fees	660,315	625,311			660,315	625,311				
Material & Other Sales-Ivy	112,500	128,527	112,500	128,527						
Recycling Revenues	222,400	221,946					222,400	221,946		
Other Revenues	78,000	90,164			78,000	90,164				
Interest & Fees	27,200	46,528							27,200	46,528
Total Revenues Budget vs. Actual*	\$ 1,290,275	\$ 1,275,449 98.85%	\$ 302,360	\$ 291,500 96.41%	\$ 738,315	\$ 715,475 96.91%	\$ 222,400	\$ 221,946 99.80%	\$ 27,200	\$ 46,528 171.06%
EXPENSES										
Ivy Operations	297,616	245,016	297,616	245,016						
Ivy MSW Transfer	930,685	855,068			930,685	855,068				
Recycling Operations	351,106	399,826					351,106	399,826		
Administration	489,723	460,829							489,723	460,829
Total Expenses Budget vs. Actual*	2,069,130	1,960,739 94.76%	297,616	245,016 82.33%	930,685	855,068 91.88%	351,106	399,826 113.88%	489,723	460,829 94.10%
Net Results Before Administrative Allocation	\$ (778,855)	\$ (685,290)	\$ 4,744	\$ 46,483	\$ (192,370)	\$ (139,593)	\$ (128,706)	\$ (177,880)	\$ (462,523)	\$ (414,300)
Administrative allocations: Administrative costs to Envir. MOU (below)	138,757	124,290							138,757	124,290
Administrative costs to Operations	-	-	(115,631)	(103,575)	(115,631)	(103,575)	(92,505)	(82,860)	323,766	290,010
Net Operating Income (Loss)	\$ (640,098)	\$ (561,000)	\$ (110,887)	\$ (57,092)	\$ (308,001)	\$ (243,168)	\$ (221,211)	\$ (260,740)	\$ -	\$ -
Other Funding Sources										
Local Government Contributions	640,098	640,098								
County Contribution - Capital Grant	2,087,000	1,513,616								
Transfer to Capital Fund - Transfer Station	(2,087,000)	(1,513,616)								
Surplus (Deficit) - Operations	\$ -	\$ 79,098								

<u>Environmental Programs</u>		
	Budget	Actual Y-T-D
REVENUES		
Remediation Support	396,786	396,787
Total Revenues	396,786	396,787
Budget vs. Actual*		100.00%
EXPENSES		
Ivy Environmental	536,029	456,275
Administrative Allocation	138,757	124,290
	674,786	580,565
Budget vs. Actual*		86.04%
Cash Reserves Used	278,000	183,778
Surplus (Deficit) - Environmental	\$ -	\$ -
Total Surplus (Deficit)	\$ -	\$ 79,098

Rivanna Solid Waste Authority
Monthly Financial Status Report
FY 2018

	July	August	September	October	November	December	January	February	March	April	May	Year-to-Date
<u>Revenues</u>												
Ivy Operations Tipping Fees	\$ 10,083	\$ 16,063	\$ 10,150	\$ 14,870	\$ 21,314	\$ 9,182	\$ 5,781	\$ 11,229	\$ 25,963	\$ 16,226	\$ 22,112	\$ 162,973
Ivy MSW Transfer Tipping Fees	68,560	71,892	58,055	56,147	52,912	52,294	47,808	47,376	57,743	49,789	62,735	625,311
Ivy Material Sales	14,991	10,795	9,812	8,787	9,164	7,846	8,885	12,250	14,964	14,896	16,139	128,527
Recycling	19,277	19,328	18,362	24,542	50,802	16,788	23,280	10,326	16,090	11,829	11,320	221,946
Other Revenues	8,603	8,941	7,801	11,887	7,030	5,499	9,372	5,673	8,513	7,597	9,248	90,164
Remediation Support	108,099	51,085	-	28,117	-	51,085	28,117	51,085	-	79,201	-	396,787
Interest & Late Fees	4,870	3,567	3,668	4,365	3,328	3,567	5,440	3,403	3,834	5,981	4,505	46,528
Total Revenues	\$ 234,483	\$ 181,671	\$ 107,848	\$ 148,714	\$ 144,550	\$ 146,261	\$ 128,682	\$ 141,342	\$ 127,107	\$ 185,519	\$ 126,059	\$ 1,672,236
<u>Expenses</u>												
Ivy Operations	\$ 22,573	\$ 15,021	\$ 19,122	\$ 19,378	\$ 26,187	\$ 20,863	\$ 44,737	\$ 13,689	\$ 18,500	\$ 23,652	\$ 21,294	\$ 245,016
Ivy Environmental	28,859	20,351	20,774	62,631	32,491	51,199	44,913	38,828	39,125	25,997	91,106	456,275
Ivy MSW Transfer	82,146	78,013	106,013	62,005	90,246	64,928	76,272	35,057	86,359	83,781	90,248	855,068
Recycling Operation	31,760	43,092	34,997	40,913	28,910	38,017	41,353	25,447	37,473	52,471	25,393	399,826
Administration	44,005	37,038	49,837	38,052	38,677	39,060	62,283	38,256	38,057	37,440	38,123	460,829
Total Expenses	\$ 209,343	\$ 193,515	\$ 230,743	\$ 222,979	\$ 216,511	\$ 214,067	\$ 269,558	\$ 151,277	\$ 219,515	\$ 223,342	\$ 266,165	\$ 2,417,014
Net Operating Income (Loss)	\$ 25,140	\$ (11,844)	\$ (122,894)	\$ (74,265)	\$ (71,961)	\$ (67,806)	\$ (140,876)	\$ (9,934)	\$ (92,408)	\$ (37,823)	\$ (140,106)	\$ (744,778)
<u>Other Funding Sources</u>												
Local Government Contributions	16,591	143,434	-	16,591	-	143,434	16,591	143,434	-	160,025	-	640,098
County Contribution - Capital Grant	-	-	60,495	-	-	41,773	218,900	343,081	-	234,138	615,228	1,513,616
Transfer to Capital Fund - Transfer Station	-	-	(60,495)	-	-	(41,773)	(218,900)	(343,081)	-	(234,138)	(615,228)	(1,513,616)
<u>Use of Cash Reserves</u>	-	-	-	-	34,150	10,762	33,850	(1,801)	49,392	-	57,425	183,778
Surplus (Deficit)	\$ 41,730	\$ 131,590	\$ (122,894)	\$ (57,675)	\$ (37,811)	\$ 86,389	\$ (90,435)	\$ 131,698	\$ (43,016)	\$ 122,202	\$ (82,681)	\$ 79,098

Rivanna Solid Waste Authority
Monthly Cash Flow Report
FY 2018

	July	August	September	October	November	December	January	February	March	April	May
Net Operating Income	\$ 25,140	\$ (11,844)	\$ (122,894)	\$ (74,265)	\$ (71,961)	\$ (67,806)	\$ (140,876)	\$ (9,934)	\$ (92,408)	\$ (37,823)	\$ (140,106)
Adjustments for cash flow purposes to show funds available for operations:											
Local Government Contributions	16,591	143,434	-	16,591	-	143,434	16,591	143,434	-	160,025	-
(Increase) decrease in accounts receivable	(55,323)	95,520	4,159	12,200	(27,175)	21,038	(3,604)	(392)	(18,118)	21,679	(20,389)
Increase (decrease) in accounts payable	50,753	(71,523)	41,132	(293,916)	(557)	(10,856)	45,875	(54,159)	201	39,012	(28,504)
Capital reserve fund interest not available in operating cash	(2,030)	(928)	(883)	(2,057)	(906)	(987)	(2,376)	(1,084)	(1,283)	(2,810)	(508)
Trust fund interest not available in operating cash	(150)	(170)	(175)	(173)	(181)	(177)	(199)	(218)	(204)	(248)	(271)
Trust fund deposit for Transfer Station permit								(1,572)			
Increase (Decrease) in Operating Cash	\$ 34,981	\$ 154,489	\$ (78,661)	\$ (341,620)	\$ (100,779)	\$ 84,647	\$ (84,588)	\$ 76,075	\$ (111,812)	\$ 179,835	\$ (189,777)
Operating Cash Balance - Beginning	2,896,807	2,931,789	3,086,278	3,007,617	2,665,997	2,565,218	2,649,864	2,565,276	2,641,351	2,529,539	2,709,374
Operating Cash Balance - Ending	<u>\$ 2,931,789</u>	<u>\$ 3,086,278</u>	<u>\$ 3,007,617</u>	<u>\$ 2,665,997</u>	<u>\$ 2,565,218</u>	<u>\$ 2,649,864</u>	<u>\$ 2,565,276</u>	<u>\$ 2,641,351</u>	<u>\$ 2,529,539</u>	<u>\$ 2,709,374</u>	<u>\$ 2,519,598</u>

Revenue Detail Report

IVY TRANSFER STATION		
Compost Services	-	
MSW Transfer Station	7,900	7,528
<i>Subtotal</i>	7,900	7,528

RECYCLING	
Material Sales	
Other Materials & Services	
Grants-Operating	
Hauling Fees	
	<i>Subtotal</i>

REMEDIATION SUPPORT	
UVA Contribution	
County Contribution	
City Contribution	
	<i>Subtotal</i>

Total	15,570	13,840
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\$	138,915	\$	127,339	\$	106,204	\$	(21,135)	68.64%
	521,400		477,950		519,107		41,157	8.61%
\$	660,315	\$	605,289	\$	625,311	\$	20,022	3.31%

\$	185,000	\$	169,583	\$	186,708	\$	17,125	10.10%
	7,000		6,417		4,644		(1,773)	-27.62%
	27,500		25,208		27,118		1,910	7.58%
	2,900		2,658		3,476		817	30.75%
\$	222,400	\$	203,867	\$	221,946	\$	18,079	8.87%

\$	79,982	\$	73,317	\$	79,982	\$	6,665	9.09%
	204,339		187,311		204,339		17,028	9.09%
	112,466		103,094		112,466		9,372	9.09%
\$	396,787	\$	363,721	\$	396,787	\$	33,066	9.09%

\$ 1,687,062	\$ 1,546,474	\$ 1,672,236	\$ 125,763	8.13%
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Rivanna Solid Waste Authority
Historical Material Tonnage Report - Recycling
Fiscal Years 2014-2018

Fiscal Year 2014	Fiscal Year 2015	Fiscal Year 2016	Fiscal Year 2017	Fiscal Year 2018
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In U.S. Tons

Fiber Products

Newspaper, magazines, catalogs
Cardboard (corrugated)
Mixed paper and phone books
File stock (office paper)

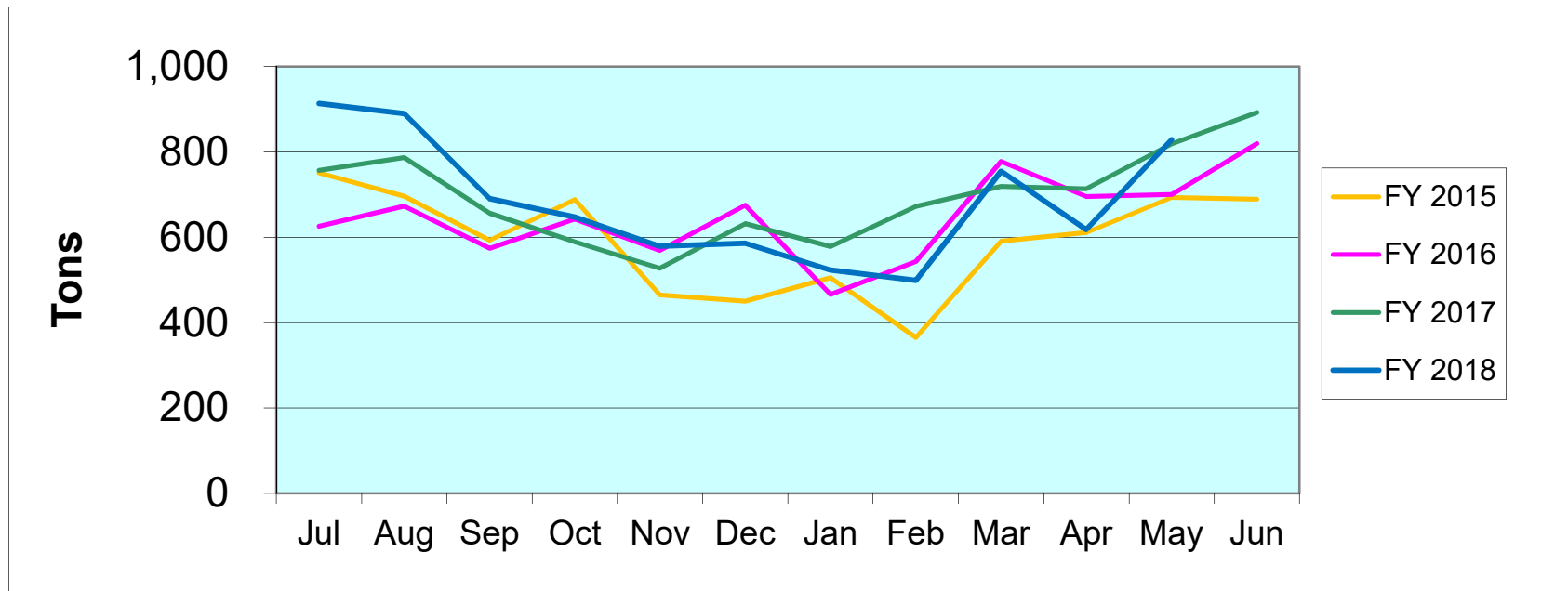
640	524	512	419	411
279	278	459	812	710
265	212	214	156	160
164	125	125	122	97
Total Fiber Products	1,348	1,139	1,310	1,509
			1,509	1,378

Other Products

Glass
Metal Cans
Plastic

249	219	191	252	222
34	30	32	31	34
98	95	82	86	87
Total Other Products	381	344	305	369
Total	1,729	1,483	1,615	1,878
			1,878	1,721

**Rivanna Solid Waste Authority
Ivy MSW Transfer Tonnages
FY 2015 - 2018**





RIVANNA SOLID WASTE AUTHORITY
695 Moores Creek Lane • Charlottesville, Virginia 22902 • (434) 977-2970

MEMORANDUM

**TO: RIVANNA SOLID WASTE AUTHORITY
BOARD OF DIRECTORS**

**FROM: DAVID RHOADES, ASSISTANT SOLID WASTE MANAGER;
MARK BROWNLEE, SOLID WASTE MANAGER**

REVIEWED BY: BILL MAWYER, EXECUTIVE DIRECTOR

**SUBJECT: IVY MATERIAL UTILIZATION CENTER REPORT/
RECYCLING OPERATIONS UPDATE**

DATE: June 26, 2018

Ivy Material Utilization Center (IMUC) : DEQ Permit 132: 300 tons/day MSW limit

May 2018

- The IMUC transfer station operated 23 days and received a total of 828.57 tons of municipal solid waste (MSW), an average of 36.02 tons per day of operation. The monthly transfer station tonnage figures are attached to this report.
- 740.19 tons of non-MSW materials were received
- 1,568.76 tons were received as a combined total tonnage (MSW + non-MSW)
- 3,966 vehicles crossed the scales

Paint Collection:

On May 29, 2018, the Ivy MUC shipped out the thirteenth full 30-yard container of paint since the program began in August 2016. RSWA currently has loaded 10 cubic yards of paint which will be included in a future shipment. Each 30-yard container holds about 4,200 one-gallon paint cans. This program continues to make paint disposal more convenient for residents and to alleviate some of the congestion during our fall and spring Household Hazardous Waste Days.

Compostable Food Waste Collection:

This program continues to operate smoothly at the IMUC. Approximately one-half of a 65 gallon cart has been collected from residents so far. This service is free to County residents. A similar bin has been placed at the Transfer Station for the receipt of compostable food wastes from commercial customers. Commercial customers are charged the established disposal fee of \$178 per ton.

The McIntire Recycle Center received 4.36 tons of compostable materials in May.

Spring HHW and Bulky Waste Totals:

Saturday, May 19, 2018: *Tires*

A total of 160 vehicles participated, including 146 from the County and 14 from the City. Tires collected are in the process of being separated and trucked to the end user for recycling. Totals will be reported once all of the tires have been weighed and shipped.

Electronic Waste (eWaste) Recycling:

As approved at the February Board meeting, a pilot eWaste amnesty day has been scheduled for Saturday, July 21 at the Ivy MUC. Following discussions with the eWaste contractor (Care Environmental), their experience is that the eWaste of 300 to 350 residents can be received and processed during a one-day event. To assess and manage potentially large public interest in this event, staff will establish an online pre-registration for the public. This on-line pre-registration will open when this event is advertised in the newspaper on Sunday, June 24, 2018.

Ivy Material Utilization Center
Daily Scale Crossing Data



May 1-31, 2018

Days of

Operation: 23

Operation: 23		MSW collected at Transfer Station (tons)						Non-MSW
	Vehicles	Count	Citizen-Can	Construction	Domestic	MSW Total	Total Tons	
05/01/18	Tuesday	206	216	0.62	28.59	17.78	46.99	65.21
05/02/18	Wednesday	135	130	0.60	7.52	14.00	22.12	26.76
05/03/18	Thursday	136	146	0.62	16.64	12.61	29.87	26.64
05/04/18	Friday	167	181	0.60	17.77	16.30	34.67	97.65
05/05/18	Saturday	273	292	1.04	16.76	19.58	37.38	32.55
05/06/18	Sunday	-	-	-	-	-	-	-
05/07/18	Monday	-	-	-	-	-	-	-
05/08/18	Tuesday	190	178	0.45	14.34	15.26	30.05	30.18
05/09/18	Wednesday	179	166	0.65	80.52	16.64	97.81	46.54
05/10/18	Thursday	138	138	0.58	34.99	26.59	62.16	71.09
05/11/18	Friday	150	153	0.49	15.73	17.17	33.39	12.32
05/12/18	Saturday	290	360	1.14	11.19	23.71	36.04	14.10
05/13/18	Sunday	-	-	-	-	-	-	-
05/14/18	Monday	-	-	-	-	-	-	-
05/15/18	Tuesday	164	190	0.61	15.94	12.22	28.77	48.77
05/16/18	Wednesday	139	272	0.62	15.94	14.14	30.70	19.78
05/17/18	Thursday	105	158	0.53	7.08	12.19	19.80	24.39
05/18/18	Friday	101	106	0.62	6.15	18.62	25.39	1.17
05/19/18	Saturday	200	247	0.87	7.41	19.02	27.30	3.50
05/20/18	Sunday	-	-	-	-	-	-	-
05/21/18	Monday	-	-	-	-	-	-	-
05/22/18	Tuesday	198	233	0.84	14.47	18.00	33.31	37.89
05/23/18	Wednesday	137	151	0.60	7.84	19.17	27.61	42.94
05/24/18	Thursday	154	149	0.55	14.51	16.50	31.56	34.27
05/25/18	Friday	201	220	0.57	18.07	21.66	40.30	25.70
05/26/18	Saturday	253	313	0.80	10.70	26.34	37.84	27.55
05/27/18	Sunday	-	-	-	-	-	-	-
05/28/18	Monday	-	-	-	-	-	-	-
05/29/18	Tuesday	172	180	0.56	12.17	16.96	29.69	18.55
05/30/18	Wednesday	138	162	0.61	11.95	20.53	33.09	8.85
05/31/18	Thursday	140	180	0.73	17.72	14.28	32.73	23.79
Total		3,966	4,521	15.30	404.00	409.27	828.57	740.19
Average		172	197	0.67	17.57	17.79	36.02	32.18
Median		164	180	0.61	14.51	17.17	32.73	26.76
Maximum		290	360	1.14	80.52	26.59	97.81	97.65
Minimum		101	106	0.45	6.15	12.19	19.80	1.17

Material Type & Description

Citizen-Can: Roll-off container at the Ivy MUC Convenience Center-citizens dispose of prepaid trashbags

Construction: Construction/demolition debris (shingles, sheetrock, treated lumber, etc.)

Count: Transactions per item (appliances, hauling fees, service fees, tag-bag stickers, tires)

Domestic: Business/residential general or household waste

MSW: Materials processed/handled at the Transfer Station

Non-MSW: Materials processed/handled on-site

Vehicle: Transactions or vehicles processed in a day



MEMORANDUM

**TO: RIVANNA SOLID WASTE AUTHORITY
BOARD OF DIRECTORS**

FROM: PHIL MCKALIPS, ENVIRONMENT & SAFETY MANAGER

REVIEWED BY: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: IVY LANDFILL ENVIRONMENTAL STATUS UPDATE

DATE: JUNE 26, 2018

Corrective Action Plan (CAP)

On March 14, 2017, VA DEQ provided their Second Technical Review of the revised Corrective Action Plan. In summary, the Department's comments were generally minor administrative corrections or requests for further detail on specific portions of the Corrective Action Plan. Our response to these comments was provided to the Department by the June 12, 2017 deadline. VA DEQ has not provided further comments on the revised Corrective Action Plan or a schedule as to when further comments or an approved Corrective Action Plan may be expected.

This revised Corrective Action Plan was originally submitted in July 2013 and incorporates revised groundwater sampling and reporting requirements. While awaiting finalization, the Department has authorized the Authority to utilize the revised sampling and reporting requirements.

The Ivy MUC continues to maintain compliance with VA DEQ regulation and our approved Corrective Action Plan.

Paint Pit Interim Measure (Soil-Vapor Extraction System)

The Soil-Vapor Extraction (SVE) System has been having control panel electrical issues and is undergoing renovation and repairs. These are expected to be completed toward the end of this summer. The SVE System is 10 years old is located outside and exposed to relatively harsh environmental conditions. Electrical issues have begun to increase and in response, staff has determined that a major renovation of the control panel and electrical system is needed to return it to reliable duty.

Surface Water

The Spring 2018 surface water survey and monitoring program has been completed. The surface water sampling and visual survey did not identify any anomalies. Data from the visual survey and analysis of samples will be included in a tri-annual Corrective Action Site Evaluation (CASE) report to be submitted to VA DEQ in the Fall of 2018.

Non-CAP Groundwater Monitoring

The Spring 2018 sampling event has been completed. The results of the analysis of groundwater samples will be documented in a report to VA DEQ by August 2018. These groundwater monitoring activities are being completed in accordance with the requirements of our DEQ Permit and the 2000 settlement agreement with the landfill neighbors.

Cell 3 and Leachate Collection and Treatment System

The horizontal drain system to the landfill gas collection system continues to be throttled to maintain proper balance of the system's pressures and flows. Documentation summarizing the activities related to Cell 3 will be submitted to VA DEQ in the 2018 tri-annual Site-wide CASE report.



MEMORANDUM

**TO: RIVANNA SOLID WASTE AUTHORITY
BOARD OF DIRECTORS**

**FROM: MICHELLE SIMPSON, SENIOR CIVIL ENGINEER
PHIL McKALIPS, ENVIRONMENTAL AND SAFETY MANAGER**

REVIEWED BY: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: STATUS REPORT: ONGOING PROJECTS

DATE: JUNE 26, 2018

This memorandum reports on the status of the following Capital Projects at the IMUC:

1. New Solid Waste Transfer Station

Design Engineer:	SCS Engineers
Construction Contractor:	Lantz Construction Company
Construction Start:	September 2017
Percent Complete:	75%
Base Construction Contract + Change Orders to Date = Current Value:	\$2,211,000+\$36,597.00=\$2,247,597
Expected Completion Date:	August 2018
Total Capital Project Budget:	\$3,061,367

Current Status:

The contractor has constructed the building walls and footers, columns, tipping floor, push walls, retaining walls, and erected the metal building. Site grading, installation of storm sewer and utilities, and construction of sediment ponds is on-going with paving to follow.

History:

Following a November 2015 Albemarle County Board of Supervisors' decision to replace the existing solid waste transfer station with a new facility, the Rivanna Solid Waste Authority Board of Directors authorized the design of the new transfer station by SCS Engineering. The new 11,600 square foot concrete and steel frame transfer station is designed to meet all current regulatory requirements for solid waste handling, maximize use of the existing infrastructure, improve traffic flow, and potentially expand recycling services while retaining existing waste disposal services. The new facility will be located on the western portion of the existing Ivy Material Utilization Center (Ivy MUC) site and will continue to use the existing entrance and scales. The existing transfer facility and compactor system will remain in service until the new transfer station is placed into

service, at which time the existing facility will be decommissioned and removed.

SCS Engineers completed the design of the New Ivy Solid Waste Transfer Station and the project was advertised for bids (RFB No. 335) on July 2, 2017. Construction bids for the project were opened on August 3, 2017, and eight competitive bids were received ranging from \$2,211,000 to \$3,151,400. After reviewing the bid documents, SCS Engineering recommended award of the contract to the apparent low bidder, Lantz Construction Company.

2. Enclosed Landfill Gas Flare

Design Engineer:	Resource International
Construction Contractor:	SCS Field Services
Construction Start:	March 2018
Percent Complete:	20%
Base Construction Contract + Change Orders to Date = Current Value:	\$369,911
Expected Completion Date:	October 2018
Total Capital Project Budget:	\$450,000

Current Status:

A pre-construction conference was held with the Contractor, Engineer, and RSWA on March 1, 2018, and the Notice to Proceed with the work was given to the Contractor. The new flare is being shop assembled and will be delivered and installed in July 2018.

History:

Installed in 1999, the existing landfill gas flare has operated almost continuously, destroying methane and odor-causing components of the landfill gas. The flare was designed to destroy landfill gases at a temperature of 1600 °F at a range in flow from 1500 cubic feet per minute (cfm) to approximately 200 to 300 cfm. Due to normal reductions in waste decomposition over time, landfill gas flows have fallen to the lower end of the existing flare's operating range.

With RSWA BOD approval in June 2016, RSWA executed a work authorization with Resource International, Ltd for the engineering services required to evaluate, design, and develop bid specifications for the replacement of the existing landfill gas flare with one that will be appropriately sized for the current and future methane flows. This item was included in the capital budget.

3. Ivy Master Plan

Consultant:	Arcadis U.S., Inc.
Project Start:	May 2018
Project Status:	10% Complete
Completion:	November 2018
Total Contract Cost:	\$42,560

Current Status:

The consultant is in the early stages of data collection related to our current services, customers, traffic, and volumes of MSW and recyclables.

History:

Over the past few years, multiple changes have been considered and/or implemented at the Ivy Material Utilization Center (IMUC). The New Ivy Transfer Station is currently under construction and will be opened this fall. Food waste composting has been implemented and a major solar energy project was considered, although not moving forward at this time. The County has inquired about enhancing the recycling services at Ivy MUC to include a convenience center, similar to McIntire Recycling Center. With all of these various developments, staff and the Board decided it would be beneficial to embark on a master planning process.

This project will include development of a Master Plan for a recycling convenience center at the IMUC. The project will begin with the collection of existing Authority data on current recycling activities and materials, and then compare our services to other similar size communities. The consultant will evaluate proposed services, and provide alternative site layouts and preliminary construction costs for improvements.



RIVANNA SOLID WASTE AUTHORITY
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MEMORANDUM

**TO: RIVANNA SOLID WASTE AUTHORITY
BOARD OF DIRECTORS**

FROM: PHIL MCKALIPS, ENVIRONMENT & SAFETY MANAGER

SUBJECT: RECYCLING AT THE MCINTIRE RECYCLING CENTER

DATE: JUNE 26, 2018

Overview

There have been several recent media articles concerning fluctuations in the world-wide recycling market, largely the result of the new anti-pollution policies in China.

This presentation is to provide an overview of our recycling program as well as strategic planning for the future.

Board Action Requested

No action needed.

Attachment – Presentation

Recycling at the McIntire Recycling Center

Presented by Phil McKalips

June 26, 2018



The Recycling Landscape

- At the global level, China was the largest importer of US recyclables:
 - 33 percent of US exports in 2016 (43 million cubic yards)
 - 26 percent in 2017 (33 million cubic yards)
 - 5-10 percent in 2018 are possible (7-14 million cubic yards)
- Reduced exports have created a glut in the general recycling market for specific commodities (especially mixed paper and mixed plastics).
- In the mid-Atlantic region, this has lowered prices for certain materials. However, our materials are still being recycled because of our relationships with domestic users.

What is recycled at McIntire?

- Aluminum Beverage Cans
- Mixed Metal
- Corrugated Cardboard
- #1 to #7 Plastic Bottles and Containers
- Mixed Paper
- #2 and #4 Plastic Bags and Films
- Glass Bottles and Jars
- Office Paper
- Newspaper and Magazines
- Telephone Books
- Hard and Soft-bound Books
- Compostable Food Waste



Where does it all go?

- **Aluminum Beverage Cans** – Gerdau, Charlottesville, sold for reuse in Aluminum Beverage Cans
- **Mixed Metal** – Gerdau, Charlottesville, shipped to Roanoke sorting facility and sold as scrap metal by grade
- **Corrugated Cardboard** – Sonoco Recycling, Richmond paper mill, are recycled into paper products (used to make Pringles® Chip tubes)



Where does it all go?

- **#1 to #7 Plastics** – Sonoco Recycling in Raleigh, NC, processed through MRF for recoverable plastics
- **Mixed Paper** – Sonoco Recycling, Richmond paper mill, are recycled into paper product (used to make Pringles® Chip tubes)
- **#2 and #4 Plastic Bags and Films** – Trex, Winchester, is directly used in making Trex® decking materials



Where does it all go?

- **Glass Bottles and Jars** – Strategic Materials in NC, recycled into glass food/beverage containers
- **Office Paper** – Sonoco Recycling, Madison Heights, recycled into paper towels and toilet paper at eastern US papermill
- **Newsprint** – Sonoco Recycling, Madison Heights, recycled into newsprint at mill in NC



Where does it all go?

- **Telephone Books** – Sonoco Recycling in Madison Heights, mixed in with newsprint or mixed paper
- **Hard and Soft-bound Books** – mixed into newsprint
- **Compostable Food Waste** – Natural Organic Process Enterprises (NOPE), Richmond, hauls material to McGill-Waverly Composting Facility



Why do we have concerns?

- Because of the Global landscape, demand for Mixed Paper and some of the other paper products has slowed and is earning low (or zero) revenue.
- Sonoco predicts that these materials will continue to be accepted, but with low revenue for several years.
- Plastic will continue to be a problem as #3-#7 plastics were largely exported. #1 and #2 plastics have a domestic market.
- Material Contamination – “Wish-cycling”

Contamination



Note contamination of #1-#7
Plastics by bubble wrap and
blue totes



Note contamination of
aluminum cans with plastic
bags and aluminum foil

What we need to do going forward.

- The Master Plan (to be presented to the Board at the November meeting) will make recommendations on the types of material we recycle.
- Work to increase the commercial interest in our products by reducing contamination. This will take more staff inspection and significant customer education.
- Increase our value-add. Our products are of interest because we deliver some of them and we bale some of them. This increases their value.

Questions?