






Board of Directors Meeting

April 23, 2019

2:00pm



695 Moores Creek Lane | Charlottesville, Virginia 22902-9016

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BOARD OF DIRECTORS

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

DATE: April 23, 2019

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 February 26, 2019*
2. **RECOGNITION**
 - a. *Resolution of Appreciation for Mike Murphy*
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. *Proposed Additional Holiday: July 5, 2019*
8. **OTHER BUSINESS**
 - a. *Introduction of Fiscal Year 2019-2020 Budget and Adoption of the Preliminary Rate Resolution – Bill Mawyer, Executive Director*
9. **OTHER ITEMS FROM BOARD/STAFF NOT ON AGENDA**
10. **CLOSED MEETING**
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)



RSWA BOARD OF DIRECTORS
Minutes of Regular Meeting
February 26, 2019

A regular meeting of the Rivanna Solid Waste Authority (RSWA) Board of Directors was held on Tuesday, February 26, 2019 at 2:00 p.m. in the 2nd floor conference room, Administration Building, 695 Moores Creek Lane, Charlottesville, Virginia.

Board Members Present: Paul Oberdorfer, Mike Murphy, Kathy Galvin, Mike Gaffney, Liz Palmer, Jeff Richardson, and Trevor Henry.

Board Members Absent: None.

Staff Present: Bill Mawyer, Katie McIlwee, Scott Schiller, Phil McKalips, David Rhoades, Liz Coleman, Michelle Simpson, Andrea Terry, and Austin Marrs.

Also Present: Kurt Krueger, RSWA counsel, members of the public and media representatives.

1. CALL TO ORDER

Mr. Gaffney called the meeting to order at 2:00 p.m.

2. MINUTES OF PREVIOUS BOARD MEETING

a. Minutes of the Regular Meeting of the Board of December 11, 2018

Dr. Palmer moved to approve the minutes of the RSWA Board's meeting of December 11 2018 meeting as presented. Ms. Galvin seconded the motion, which passed 7-0.

3. RECOGNITION

There were no recognitions presented.

4. EXECUTIVE DIRECTOR'S REPORT

Mr. Mawyer stated that Mr. McKalips had been working with a number of three and four-year-old students at the MACAA Head Start Ferguson program to teach them about recycling as part of the community outreach program. He presented images of litter pickup done by students from UVA's Theta Chapter of Alpha Phi Omega. He stated that in January, after the lower tip fees, Rivanna averaged 64 tons per day, which was more than double the normal rate of refuse disposal -- with 3,163 vehicle visits.

5. ITEMS FROM THE PUBLIC

Mr. Gaffney invited items from the public.

There were no items presented.

6. RESPONSES TO PUBLIC COMMENTS

There were no 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. Approval of Term Contract for Safety and Industrial Hygiene Services - Circle Safety and Health Consultants

Dr. Palmer stated that they had seen in January that the tonnage per day at Ivy was fluctuating greatly and asked if it was the same for February, as she didn't see the daily in there.

Mr. Mawyer responded that Mr. McKalips had the monthly report he would provide in his presentation, and the average was 60 tons per day -- with some spikes for specific dumping, such as UVA's turf recycling.

Mr. Mawyer presented a video that showed the transfer station, pointing out Time Disposal and how they used the facility.

Dr. Palmer asked about the timing of a truck getting in and out.

Mr. Rhoades responded that it was about seven minutes in and out.

Mr. Murphy asked how much tonnage was in each truck.

Mr. Rhoades responded that it was 7-10 tons.

Dr. Palmer asked if seven minutes was good timing in transfer stations.

Mr. Rhoades responded that it was excellent, and when he was a driver for Waste Management, there were times he was at the lower transfer station for over an hour.

Mr. Richardson commented that he appreciated staff knowing the answers to these questions ahead of time, and the amount of work involved in that.

Dr. Palmer moved to adopt the Consent Agenda as presented. Ms. Galvin seconded the motion, which passed 7-0.

8. OTHER BUSINESS

a. Presentation and Recommendations: Phil McKalips, Director of Solid Waste

i. Ivy Transfer Station

- Usage Update
- Open Ivy MUC on Mondays

ii. Ivy Master Plan

- Convenience Center
- Composting Facility
- Plastics Recycling

iii. New RSWA Logo

Mr. McKalips reported that they had combined three reports into one presentation and would include time for Board action as part of this. He stated that the new Ivy Transfer Station opened on September 25, 2018 and during the last month of operation at the old transfer station, they received 34 tons per day, combined of municipal solid waste and construction demolition debris. He stated that on January 1, 2019 they went from a \$66 to a \$52 per-ton tipping fee -- and then saw an increase of up to 64 tons per day. He noted that the monthly revenue went from \$35,000 per month up to \$75,000, an increase of \$40,000 or 120%.

Mr. Henry asked if they had data from when they opened it to when they lowered the tipping fees and what that average was.

Mr. McKalips responded that they did, adding that there were so many numbers that came and went that it was easy to get confused. He stated that his goal was to show what they had done to make changes at the transfer station versus how the tipping fee itself may have increased the tonnage. He stated that if they went back January a year ago, they had 23 tons per day average versus 64 tons per day now.

Mr. Murphy asked if the data that got them to the 64 tons per day was inclusive of the outlier day for the turf.

Mr. McKalips responded that it was three days, but it did include the turf.

Mr. Murphy asked if they knew just those tipping days what the average would be absent that outlier.

Mr. McKalips replied that he recalled calculating it by January 22 or 23, and it slowed it down from 64 to about 60 on average. He stated that they had done 1,400 tons in one month.

Mr. Gaffney stated that there were emails exchanged regarding whether this was a one-month thing, and staff indicated that there was at least one big load coming per month, so this was not out of the ordinary.

Mr. McKalips explained that the company that brought in the turf was Carolina Green Corp., which brought in 199 tons -- but for that month, the transfer station had 1,400 tons, so the turf only represented 14%. He added that there was usually a big project that ended up using the transfer station in a series of loads.

Mr. Murphy stated that even without the 199 tons, it was a pretty solid number.

Dr. Palmer commented that she didn't think they could make too much out of the three months the transfer station was open in the fall, because a lot of people didn't respond immediately to the opening, which took a while to get out there.

Mr. McKalips noted that in looking at waste receipts over the course of a year, they followed a very flattened bell curve, as more people brought waste during the warmer summer months -- so from October to December or January, you'd expect to see a falloff anyway. He noted that with the daily tonnages, they went from 34 down to 28 down to 23, which was not unexpected historically.

Ms. Galvin asked if the waste from City projects like the Monticello Dairy building and the ice skating park had been reflected in that.

Mr. McKalips responded that he was uncertain as to whether that had been brought to the transfer station, as it was often hard to tell who was bringing what.

He stated that from January 2018 to January 2019, there was a 20% increase in vehicles -- but they accounted for the difference between 1,400 tons and 500 tons on a normal basis. He stated that 20% of additional haulers were large commercial haulers; that would represent the big increase in tonnage -- and lowering the tipping fee went to the bottom line of these businesses.

Mr. McKalips presented information broken down by construction debris, which showed some of who the contractors are, and the big change came from domestic waste/municipal solid waste. He noted that Cavalier Container was a new Ivy MUC customer and was carrying a lot of the load. He referenced the revenue, increasing by approximately 50%, and commented that commercial haulers had asked about having the facility open on Mondays. Mr. McKalips stated that this had been brought to the Board of Supervisors, which approved a six-month pilot.

Mr. McKalips reported that he had compiled a tons per day metric of how much would need to be brought in to pay for any increase in costs. He explained that they started off in January 2018 with 23 tons a day, and when they changed the lower tipping fee, that calculation was that they needed to add 34 tons per day -- which brought the total up to 57 tons per day. He stated they were averaging 64 tons per day, which was 7 tons per day ahead of where they needed to be because of the tipping fee change. He stated that opening on Mondays would cost about \$300 per day, which equated to 23 tons per day, with the calculation being the margin between the tipping

fee of \$52, subtracting out \$39 paid for transportation disposal to get the material offsite, bringing it to \$13 -- with \$300 divided by \$13 equaling about 23 tons per day.

Mr. McKalips stated that to break even for opening the additional day, the facility would need to receive an additional 23 tons per day average (138 tons per week) for the 6-day work week. If Ivy received 64 tons on Mondays, this would reduce the deficit to 74 tons per week ($138 - 64 = 74$) or an average of 12 tons per day. Take the "extra" 7 tons per day that we currently receive, and you are left with 5 tons per day that are needed to break even. He stated that staff felt that was possible if they removed obstacles for business to use the transfer station, as it would stimulate traffic on the remaining days of the week -- even though the only change was Monday -- because it had become more convenient for users.

Mr. Gaffney asked for confirmation that they were assuming that Monday was equal to every other day, then they needed to add five more tons each day.

Mr. McKalips confirmed this, stating that he had talked to some of the other haulers, who were expecting to bring the same amount of business on Monday.

Dr. Palmer stated that it may take a little while to get the word out that the facility was open on Mondays.

Mr. McKalips mentioned that they were starting to see Waste Management come back, although only with small loads -- but a small load of three tons was meaningful.

Dr. Palmer asked what other obstacles besides the Monday opening were present.

Mr. McKalips responded that going to the regional average tipping fee was a big boon to the haulers, and he found that's what was driving Cavalier Container, as they were making a decision down to the dollar on whether they brought it to Ivy or somewhere else. He added that they had drivers with loads that had come in at 12 or 14 tons who drove back offsite with it because they figured it was cheaper to drive that to a disposal facility and pay a flat \$500 fee.

Mr. Murphy commented that he was struggling with the math, as the rate was reduced by about 20% and Mr. McKalips was showing they had to go more than double the amount of tonnage every day to break even.

Mr. McKalips responded that it was not linear. He explained that they were making \$66 per ton and were now at \$52, and if he were to lower that to \$42, it would take exponentially more tons to offset the lost revenue because the margin got smaller and smaller, not in a linear way to that reduction in tonnage.

Mr. Gaffney commented that the margin was \$13, and it used to be \$27.

Mr. McKalips stated that as that margin changed, it required more tonnage to resolve it. He stated that staff was asking the Board to authorize the transfer station to open on Mondays for a

six-month pilot beginning on March 18 so they could take care of staffing, ending on September 16. He noted that this would involve the hiring of two full-time equivalent staff members.

Dr. Palmer moved to approve the pilot project to keep the Ivy Transfer Station open on Mondays for a six-month period as presented. Mr. Henry seconded the motion, which passed unanimously (7-0).

Dr. Palmer commented that there was an assumption that staff would report back on the pilot in a timely manner.

Mr. McKalips reported that they had received the master plan from Arcadis on January 31, that was designed to discuss recycling and use of the Ivy MUC site, but it was really focused largely on recycling. He stated that they had been presented with alternatives earlier for two convenience centers and had been shown a location and design for a composting facility, and the report did an analysis of where they fit with other benchmark communities in the Commonwealth -- with some successful areas and some needing improvement. He stated that they liked that Ivy was doing source-separation recycling instead of single stream because of the national and international market dynamics for recyclables. He noted that having less contamination and having purer materials was doing a lot to keep those materials marketable, and suggested they needed to remain agile in the marketplace to ensure they were still getting things recycled properly.

Dr. Palmer noted that the report also indicated that Rivanna was not doing as well as surrounding counties in terms of providing places to bring trash and recyclables.

Mr. McKalips stated that the comparison localities had 4 and 11 remote recycling centers.

Dr. Palmer stated that Warren has 5, Frederick Co. has 11, and another locality had 4.

Mr. Mawyer stated that Hanover was the locality with 4.

Mr. McKalips referenced an image of the convenience center, noting that it was located on the old transfer station site. He pointed out the big brown barn and the new convenience center, which would run along the existing road -- with a portion of new roadway and parking required for the construction. He noted the composting layout and stated if you turned away from the tunnel and the pit, it would be on the flat landfill surface right behind you on the opposite side of the fence.

Mr. McKalips stated they asked Arcadis, the contractor that came up with the layouts, to refine their proposed costs for design, construction, and permitting for alternative one -- and they came back with \$443,000. He stated that the County had \$350,000 in the existing CIP budget, and Rivanna had talked with them and determined there may be some approaches by changing some ideas on equipment and sizing, with well as phased installations and construction where they could get down into the range of \$350,000. He stated that staff would like to ask the Board to authorize Mr. Mawyer to establish an agreement for construction, design, and operation of the convenience center.

275 Dr. Palmer stated that the Board of Supervisors had talked about this for quite some time, with
276 the idea being for the facility to be something they can show the community as a model for a
277 convenience center. She mentioned that the last rollout they had was “pretty disastrous” and was
278 going to be privately run, with nothing really to show people -- so the idea here was to have
279 something nice they can have communities look at. She added that she was glad to see there was
280 a way to bring down the cost.

281
282 Mr. McKalips responded that they stated they wanted to have a McIntire-like facility out in Ivy,
283 and the biggest part of the variable costs was for things like compactors -- going to dumpsters
284 relative to different kinds of powered compactors, with the thought being that there were almost
285 2,200 customers at McIntire in a week. He added that he didn’t know if they needed to have four
286 or five compactors there at \$30,000-\$40,000 a piece when they would not be run that much.

287
288 Mr. Mawyer commented that they would not be run that much initially.

289
290 Ms. Galvin noted that expansion was not a problem.

291
292 Mr. McKalips confirmed this.

293
294 Dr. Palmer stated that one of the things she hoped they would have somewhere in the budget was
295 a compactor for household trash so they could show people, because the convenience centers
296 needed to have a place for people to bring trash. She mentioned that the last time they tried to go
297 out to the public, people were bringing pictures with overflowing dumpsters from the 1980s,
298 saying this was what this used to look like -- so they were trying to get away from that and go
299 with smaller, sealed compactors where people directly put their trash.

300
301 Mr. McKalips noted that this was not part of the initial installation but was obviously something
302 the site could accommodate as a demonstration facility for other places in the County.

303
304 Dr. Palmer stated she would like to have that discussion when they got to that point. She stated
305 that there was an expectation that they were going to have some recycling to get people in the
306 habit at Ivy sooner than 2020, and she would like to have them consider what it would take to put
307 out a few things in the interim just to get people in the habit.

308
309 Mr. McKalips pointed out the area where a few containers already existed for recycling, and it
310 was possible to get some of those containers in early and put them there while construction and
311 design were happening.

312
313 Mr. Richardson asked if that was where they currently had an area set up for cardboard.

314
315 Mr. McKalips confirmed this, stating that they could reuse the same area for that.

316
317 Dr. Palmer stated she would love to have more information about how that could work and what
318 staff thought could go there, as she would be very interested in taking that back to the Board of
319 Supervisors. She asked if they wanted a vote on this now.

Mr. Mawyer responded that they would like concurrence that they enter the contract with the County to build the facility and operate it.

Mr. Gaffney asked if that included the composting.

Mr. McKalips explained that they would be working with Coker Composting to develop an actual operational manual and financial model for how to run a composting facility so they could look at costs that were fairly well refined.

Ms. Galvin stated that this was of major interest to the community of Charlottesville, but she would defer to staff's recommendations.

Dr. Palmer mentioned that Charlottesville High School had started composting, and she didn't know if they were bringing it to Ivy.

Mr. McKalips replied that he did not think they were receiving anything, and he confirmed that Rivanna was collecting and hauling composting via Black Bear -- which was \$178 per ton.

Dr. Palmer stated there was UVA and the County's interest, and apparently Charlottesville High School was composting.

Mr. McKalips stated that the consultant had the know how to come up with a viable plan that was defensible.

Mr. Mawyer asked if there was agreement on the convenience center.

Dr. Palmer moved that Rivanna proceed with the County to establish an agreement for funding, construction, and operation of a recycling convenience center at the Ivy MUC.

She noted that this was with the assumption that they would be phasing the \$443,000 project, and she would not be asking the Board of Supervisors for another \$93,000 over the \$350,000.

Mr. Mawyer asked if the motion could clarify that the RSWA Board was authorizing Rivanna to create a capital project for \$350,000 to the center.

Dr. Palmer moved to authorize a \$350,000 capital project to design and build the convenience center, with the funding coming from Albemarle County. Ms. Galvin seconded the motion, which passed unanimously (7-0).

Mr. Henry noted that the \$350,000 was currently funded in the County's CIP.

Mr. McKalips asked if they wanted to go back and discuss the composting center.

Dr. Palmer responded that the sign stated composting was coming to CHS but had not actually begun yet.

Mr. Murphy commented that they don't know what kind of composting and whether it would go into their garden program instead of being brought to the County, etc. -- but it would take some research.

Mr. McKalips stated that the other thing that was in the master plan was for Rivanna to maintain a level of agility to respond to the changes in market conditions with what they receive and what they do with the materials recycled at McIntire and ultimately at Ivy. He stated they currently collect #1 through #7 plastic containers and expect to collect the same at Ivy, but at the material recovery facilities and elsewhere, there isn't really a healthy market for the #3 through #7 plastics. He stated that they used to all get packaged and shipped to China, but that had been closed off and most of it was going to a landfill. He stated that instead of hauling waste that went into a landfill all the way to NC and bailing it and take all that effort, the idea was to just stop collecting it. He added that about 5 to 10% of the whole plastic waste stream was an industry standard they hadn't counted, the #3 through #7 material, so that would reduce the volume of waste stream. Mr. McKalips stated that the idea was to put #1 plastic -- which was about 60% -- in the compactor; and #2 would go into a regular roll-off container that would be managed separately, which would greatly increase their value. He noted that staff would like the Board to consider authorizing Rivanna to go through the process to end up at that point.

Mr. Gaffney asked how hard it would be to educate the public.

Mr. McKalips responded that this would be the challenge and the key to this, and it would involve signage, etc. -- with a target date of July 1.

Dr. Palmer commented that it was difficult to see the numbers on the plastic, and she had suggested putting a magnifying glass that people could use.

Mr. McKalips stated that they could do that, and it was a complicated project. He stated that they were asking people who were devoted to recycling that if they didn't know what number it was to put it in the trash, and that went against their core values.

Dr. Palmer stated that if they made it easy to figure out whether people had a #1-#5, they would probably get better compliance.

Ms. Galvin suggested just having something on the sign to tell people where to look on their bottle.

Dr. Palmer responded that people didn't read signs, but sometimes they would read a circle with a line through it.

Ms. Galvin agreed that it should be something big and bold.

Mr. McKalips stated that it would take some effort.

Dr. Palmer asked if they would get rejected if there were a few misplaced containers.

413 Mr. McKalips responded that they probably wouldn't be, but if they could keep the number low
414 enough, it was a valuable material for industry.
415
416 Dr. Palmer asked if they knew what the percentage of contamination was.
417
418 Mr. Gaffney stated the industry would say zero just to keep it close to that.
419
420 Mr. McKalips agreed.
421
422 Ms. Galvin commented that there were probably members of the community who would
423 volunteer their time to help educate the public.
424
425 Mr. McKalips replied that they've had some offers already, and it was just a matter of putting the
426 whole program together.
427
428 Ms. Galvin noted that it took a lot of effort on staff's part to coordinate volunteers.
429
430 Dr. Palmer stated that this was important, and they had held a discussion at the Solid Waste
431 Advisory Committee that apparently there were some companies that were considering using the
432 material, but it was unclear as to when then would open, what the transportation would be, etc.
433
434 Mr. McKalips pointed out that the industry could change.
435
436 Dr. Palmer commented that they would need to remain nimble.
437
438 **Dr. Palmer moved that the RSWA discontinue collection of plastics numbered 3 through 7**
439 **for recycling until a market is available for these products, effective July 1, 2019, and to**
440 **authorize Rivanna to develop an education process for the public. Mr. Richardson**
441 **seconded the motion.**
442
443 Mr. Murphy stated that staff branded this as though there was some efficiency in bundling, not
444 shipping to another state, etc., and asked what the cost was in rolling this out. He stated that
445 deploying new sorting strategies, having new personnel, etc. started to eat into whatever that
446 efficiency savings was -- and he asked staff if they had done any of that math.
447
448 Mr. McKalips responded that he had not, other than to say his thought was that he didn't believe
449 they were really in a position to start hiring people to stand by the dumpsters and do an
450 inspection process. He stated that if they could get volunteers to help, that was wonderful, but he
451 was not seeing any costs there. He noted that underlying it all, his worst-case scenario was if
452 they bailed it all as #1 and #2, and it arrived at the MURF in Raleigh and they stated it was still
453 dirty, it would get run as it is now. He emphasized that they were doing no harm and were not
454 making it worse, and at the end of the day, they would still take it as mixed plastic.
455
456 Dr. Palmer stated that they would not want people to think Rivanna was just landfilling it, so
457 there was a public trust issue that stated they had to be honest with everyone and say what was
458 happening -- because right now it was getting landfilled.

Mr. McKalips stated that they were at the point of wanting to do new signage yesterday, which was already part of the plan -- so it was just a matter of wordsmithing the content of the signs.

Mr. Murphy asked what 5% of the shipping down to Raleigh was per year.

Mr. McKalips responded that he wouldn't know how to speculate that, and they were hauling one load a month to Madison Heights, and Sunoco hauled from Madison Heights to Raleigh, so they would be adding 5% volume inside the trailers. He stated that instead of every month driving down, they would be going down every 35 days, which would be about a 10% difference.

Mr. Mawyer stated that they would take a look at that to see if they could come up with any savings.

The motion passed unanimously (7-0).

Regarding composting, Dr. Palmer stated that they would like to move forward with finding out what it costs -- and the City has been composting longer, with the County doing very little currently and UVA doing most of it. She asked what the City's portion of composting was now and how that was working with UVA and whether they were just paying for it.

Mr. McKalips responded that it was about 35% and it was all part of the recycling budget.

Mr. Wood pointed out that with the composting at Ivy, the tipping fee was supposed to be sufficient to pay costs. He stated that the City/County composting ratio at McIntire was 30%/70%.

Mr. Mawyer noted that all the other recycling at McIntire was that split.

Dr. Palmer stated they had the recycling/composting at Ivy too, and she doubted that much was going in there from the public.

Mr. McKalips responded that it was one 90-gallon container per week, and it wasn't always completely full.

Dr. Palmer asked if that was County and City.

Mr. McKalips replied that it was just residents.

Dr. Palmer stated that it lowered the cost dramatically to have the composting facility that close.

Mr. Gaffney stated that staff was asking just to develop a cost estimate.

Mr. Mawyer confirmed this.

505 Mr. Gaffney asked what the cost was for the estimate.
506
507 Mr. McKalips responded that the proposal from Coker was \$8,300.
508
509 Mr. Mawyer stated that they had already authorized him to do that study.
510
511 Mr. Henry asked if it was building off of the master plan concept.
512
513 Mr. Mawyer confirmed that it was and was going to the next level of detail.
514
515 Dr. Palmer stated that the County had already paid for the master plan process.
516
517 Mr. Mawyer stated that this was mostly for information to let the Board know they were doing it,
518 and to solicit any feedback. He added that they would bring back more detailed information
519 about the composting aspect at Ivy.
520
521 Mr. Henry asked if they were programming anything in their FY20 budget for capital
522 construction.
523
524 Mr. Mawyer replied that they have not yet.
525
526 Mr. Henry stated that they would get the cost information and the programming and then make
527 decisions from that.
528
529 Dr. Palmer asked what the timing of that would be.
530
531 Mr. McKalips responded that the consultant thought he could do the whole study within two
532 months, so it would be complete by the end of April or beginning of May.
533
534 Dr. Palmer stated that the County was going through its budget currently, and in future years if
535 they could start getting stuff a bit earlier, they could better get it into their budget. She stated that
536 if this was something they could do in 2020, she would love to see it happen but had no way of
537 bringing things back to staff.
538
539 Mr. Mawyer stated they would see how much it cost and then make a decision, but it was late for
540 FY20 and it would be early for FY21.
541
542 Mr. McKalips stated that the last item of his report was a logo revision, prompted by the need to
543 go out to bid for a new uniform company at Ivy. He stated that the logo they were all familiar
544 with -- the green dot logo -- had always been a bit difficult for people to read and interpret. He
545 commented that everyone liked the Rivanna Water & Sewer Authority logo for the most part,
546 and the strategic plan had focused on trying to bring the two authorities together so they were
547 one team or entity. He stated that they had come up with the concept that they were all one
548 Rivanna, but to give some differentiation, they would have "Solid Waste" underneath it -- which
549 was the alternative preferred by staff. He stated that the costs for this were fairly minimum, and
550 they were provided with the uniform contract. He noted that printed media was all done

electronically at this point, so they wouldn't need to do that, and things like signage would just be phased out as there weren't that many -- one at Ivy, one at McIntire, and several trucks with logos on the side. He added that he would like for the Board to consider allowing the RSWA to change its logo.

Mr. Gaffney commented that he liked the proposed revision, as it was very clean and in keeping with Rivanna overall.

Dr. Palmer stated that it would be nice to have the recycling logo and "drop" because it let people know of the environmental aspects of it.

Ms. Galvin stated that it got a little busy with that included.

Mr. McKalips agreed, stating that it interfered with the mountain scene.

Dr. Palmer noted that she assumed people didn't really read much, and she just liked the environmental aspect.

Dr. Palmer moved that they approve the expenditure for the logo revision as presented. Mr. Oberdorfer seconded the motion, which passed unanimously (7-0).

The Rivanna Solid Waste Authority Board of Directors recessed its meeting at 2:55 p.m.

The Rivanna Solid Waste Authority Board of Directors reconvened its meeting and joined the RSWA Board of Directors meeting at 3:02 p.m.

b. Presentation: Quarterly Strategic Plan Update; Katie McIlwee, Executive Coordinator and Communications Manager

Ms. McIlwee reported that this was staff's third update to the Board and the first quarter update for 2019. She reminded them that the Strategic Plan had 6 goals, 12 strategies, and 78 tactics -- with the only change being that Mr. Tungate was now the sole goal champion for Operational Optimization. She stated that according to Strategy Blocks -- the software program used to track progress-- the progress was 79%, slightly behind the goal of 81%.

Ms. McIlwee reported that Workforce Development finished the annual staffing needs assessment and recommendations had been made to be included in this year's budget and coordination with PVCC for training for various topics such as safety and operator training continues. She stated that they continued to draft the individual development plans, which would be rolled out next and would tie into performance reviews. She noted that they were also reviewing pay scale adjustments and the individual development plan with the leadership team.

Ms. McIlwee reported that Operational Optimization has hired a consultant to do a safety master plan; security systems at South Rivanna and Crozet Water Treatment Plants had been upgraded; and the corrosion inhibitor study had also been completed, with review of the recommendations from that study to begin along with implementation and completion of the safety master plan.

Mr. Mawyer commented that staff would have a presentation for the Board in March on the corrosion inhibitor study.

Ms. McIlwee stated that the Communication and Collaboration Goal Team recently rolled out the employee portal, which was an internal communication platform located within the website for offsite employees, which can be accessed from a computer or mobile device. The Portal provides basic information such as health insurance or leave forms. She stated that she had analyzed web statistics to get an idea of which pages got the most usage, and she also removed about 10 outdated or blank pages.

Ms. McIlwee reported that their next steps were to continue to coordinate with the City, County, ACSA, and Rivanna Conservation Alliance on the "RiverFest" festival to take place in May. She stated that the City had moved its 5K to the event, and the Alliance was doing a regatta race at the same time, which had become a much larger festival.

She stated that the IT Master Plan was wrapping up and they were looking at ways to increase internal communication platforms and possibly make the employee portal more extensive or move to a different type of platform. She stated that they would also reexamine records management protocols.

Ms. McIlwee reported that the Environmental Stewardship Goal Team added an environmental tip to the Rivanna Review, a bi-monthly employee newsletter and was looking at topics to include in the employee portal. She stated that they have also identified and requested funding for green initiatives, and were working with her to coordinate on RiverFest, as well as coordinating a Rivanna employee stream cleanup -- most likely for Moore's Creek -- in coordination with the Rivanna Conservation Alliance.

Ms. Palmer stated that one of the issues that generated complaints was haulers not covering the back of their loads, which led to a lot of roadside trash and littering concerns -- and possibly RSWA's education to haulers could include an explanation of this issue.

Ms. McIlwee reported that Solid Waste Services had completed the Master Plan, which was presented to the RSWA Board earlier in the meeting. She stated that they had reduced the tipping fees on MSW and CDD, and they have researched the possibility of being open on Mondays and after Board approval would begin implementation of the expanded operating schedule. She stated that they would begin advertising that Ivy would be open on Mondays starting March 18, 2019, and that would also include expanded recycling services at the Ivy MUC.

Ms. McIlwee reported that with Infrastructure and Master Planning, the first stages of the asset management plan had been completed -- including the awareness training and program development workshops. She stated that they had worked with the GIS coordinator to organize the current asset and information and would continue to organize it and develop a matrix to track additional master plan needs.

Mr. Henry asked for a copy of the PowerPoint.

643
644 Mr. Gaffney requested a brief update on RiverFest at their next meeting.
645
646

647 **9. OTHER ITEMS FROM BOARD/STAFF NOT ON AGENDA**

648 There were none presented.
649

650 **10. CLOSED MEETING**

651 There was no closed meeting held.
652

653 **11. ADJOURNMENT**

654
655 **Ms. Galvin moved to adjourn the RSWA Board meeting. Dr. Palmer seconded the motion,**
656 **which passed 7-0.**

657
658 **The RSWA Board adjourned its meeting at 3:11 p.m.**
659



**RIVANNA WATER & SEWER AUTHORITY
RIVANNA SOLID WASTE AUTHORITY
BOARD OF DIRECTORS**

Joint Resolution of Appreciation for Mike Murphy

WHEREAS, Mr. Murphy has served as a member of the Rivanna Water & Sewer Authority and Solid Waste Authority Boards of Directors since August of 2018; and

WHEREAS, over that same period Mr. Murphy has demonstrated leadership in water and sewer, solid waste and recycling services; and has been a valuable member of the Boards of Directors and a resource to the Authorities; and

WHEREAS, Mr. Murphy's understanding of the water, sewer, solid waste and recycling operations of the City of Charlottesville, the Water & Sewer Authority and the Solid Waste Authority has supported a strategic decision-making process that provided benefits to the customers served by the City of Charlottesville as well as the community as a whole.

WHEREAS, the Water & Sewer Authority and Solid Waste Authority Boards of Directors are most grateful for the professional and personal contributions Mr. Murphy has provided to both Authorities and to the community; and

NOW, THEREFORE, BE IT RESOLVED that the Rivanna Water & Sewer Authority and the Rivanna Solid Waste Authority Boards of Directors recognize, thank, and commend Mr. Murphy for his distinguished service, efforts, and achievements as a member of the Rivanna Water & Sewer Authority and the Rivanna Solid Waste Authority, and presents this Resolution as a token of esteem, with their best wishes in his future endeavors.

BE IT FURTHER RESOLVED that this Resolution be entered upon both the permanent Minutes of the Rivanna Water & Sewer Authority and the Rivanna Solid Waste Authority.

Michael Gaffney, Chairman
Jeff Richardson
Kathy Galvin
Liz Palmer
Gary O'Connell
Lauren Hildebrand
Paul Oberdorfer
Trevor Henry



MEMORANDUM

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

FROM: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: EXECUTIVE DIRECTOR'S REPORT

DATE: APRIL 23, 2019

STRATEGIC PLAN GOAL: ENVIRONMENTAL STEWARDSHIP; SOLID WASTE SERVICES

Use of the Ivy Materials Utilization Center

February 2019:

<u>Vehicles</u>	<u>AVG MSW & CDD Tons/Day</u>
2,930	59

March 2019:

<u>Vehicles</u>	<u>AVG MSW & CDD Tons/Day</u>
4,412	86

Household Hazardous Waste and Bulky Waste Amnesty Schedule

April 25 – Commercial HHW

April 26, 27 – Residential HHW

May 4 – Furniture

May 11 – Appliances

May 18 – Tires

Regional Recycling Update

The City of Staunton, City of Waynesboro, and Augusta County have made significant changes to their recycling service, because the area's sole recycling processor, Sonoco Recycling of Fishersville, is no longer accepting plastics and glass for recycling, as of April 1, 2019. The City of Staunton discontinued curbside collection of all plastics. The City will continue to collect glass curbside, however it will be crushed and used as refuse cover at the Augusta Regional Landfill instead of recycled through Sonoco.

The City of Harrisonburg and Rockingham County were also affected by the changes at Sonoco of Fishersville. The City of Harrisonburg will no longer accept #3-#7 plastics at the Harrisonburg Convenience Center, and Rockingham County will no longer accept #3-#7 plastics at the County Landfill and Container Sites.

New Virginia Legislation

Senate Bill 1554: Freedom of Information Act (FOIA); Civil Penalties Provides that in addition to any penalties imposed under FOIA, (i) if a court finds that any officer, employee, or member of a public body failed to provide public records to a requester in accordance with the provisions of FOIA because such officer, employee, or member of a public body altered or destroyed the requested public records with the intention of avoiding the provisions of FOIA prior to the expiration of the applicable record retention period set pursuant to the Virginia Public Records Act, the court may impose upon such officer, employee, or member in his individual capacity a civil penalty of up to \$100 per record altered or destroyed and (ii) if a court finds that a member of a public body voted to certify a closed meeting and at the time of such certification an attorney representing the body was present and such certification was not in accordance with the requirements of FOIA, the court may impose on the public body a civil penalty of up to \$1,000.



MEMORANDUM

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

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

REVIEWED: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: MARCH 2019 FINANCIAL SUMMARY

DATE: APRIL 23, 2019

The results of operations and remediation activities for the first eight months of the fiscal year are summarized below and in the attached statements.

	<u>Operating Results</u>	<u>Remediation Results</u>	<u>Total</u>
Total Revenues	\$ 1,206,539	\$ -	\$ 1,206,539
Total Expenses	<u>(1,813,972)</u>	<u>(592,379)</u>	<u>(2,406,351)</u>
Net operating results	(607,433)	(592,379)	(1,199,812)
Support - MOU & Local	<u>870,415</u>	<u>307,802</u>	<u>1,178,217</u>
Surplus/(Deficit)*	<u>\$ 262,982</u>	<u>\$ (284,577)</u>	<u>\$ (21,595)</u>

* Cash reserves are used when deficits occur. (Use of up to \$390,000 in reserves for an expected shortfall for remediation was included in FY 2019 budget.)

Total operating revenues through March were \$229,800 over budget and total operating expenses were \$19,300 under budget. The Authority has processed 18,404 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	9,167	7,624	1,613	18,404
Net operating revenue (costs)	\$ (314,013)	\$ (28,766)	\$ (264,654)	\$ (607,433)
Net revenue (cost) per ton	\$ (34.25)	\$ (3.77)	\$ (164.08)	\$ (33.01)

Attachments

Target Rate: 75.00%

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	\$ 158,960	178,575	\$ 158,960	178,575						
Ivy MSW Transfer Tipping Fees	648,200	626,686			648,200	626,686				
Material & Other Sales-Ivy	121,500	107,066	121,500	107,066						
Recycling Revenues	251,900	161,232					251,900	161,232		
Other Revenues	77,200	80,305			77,200	80,305				
Interest & Fees	44,500	52,675							44,500	52,675
Total Revenues Budget vs. Actual*	\$ 1,302,260	\$ 1,206,539 92.65%	\$ 280,460	\$ 285,641 101.85%	\$ 725,400	\$ 706,991 97.46%	\$ 251,900	\$ 161,232 64.01%	\$ 44,500	\$ 52,675 118.37%
EXPENSES										
Ivy Operations	324,245	202,502	324,245	202,502						
Ivy MSW Transfer	1,186,282	909,098			1,186,282	909,098				
Recycling Operations	452,490	336,362					452,490	336,362		
Administration	694,924	500,298							694,924	500,298
Total Expenses Budget vs. Actual*	2,657,941	1,948,259 73.30%	324,245	202,502 62.45%	1,186,282	909,098 76.63%	452,490	336,362 74.34%	694,924	500,298 71.99%
Net Results Before Administrative Allocation	\$ (1,355,681)	\$ (741,720)	\$ (43,785)	\$ 83,139	\$ (460,882)	\$ (202,107)	\$ (200,590)	\$ (175,130)	\$ (650,424)	\$ (447,623)
Administrative allocations:										
Administrative costs to Envir. MOU (below)	195,127	134,287							195,127	134,287
Administrative costs to Operations	-	-	(162,606)	(111,906)	(162,606)	(111,906)	(130,085)	(89,525)	455,297	313,336
Net Operating Income (Loss)	\$ (1,160,554)	\$ (607,433)	\$ (206,391)	\$ (28,766)	\$ (623,488)	\$ (314,013)	\$ (330,675)	\$ (264,654)	\$ -	\$ -
Other Funding Sources										
Local Government Contributions	1,160,554	870,415								
County Contribution - Capital Grant	-	933,189								
Transfer to Capital Fund - Transfer Station	-	(933,189)								
Surplus (Deficit) - Operations	\$ (0)	\$ 262,982								

<u>Environmental Programs</u>		
	Budget	Actual Y-T-D
REVENUES		
Remediation Support	383,741	307,802
Total Revenues	383,741	307,802
Budget vs. Actual*		80.21%
EXPENSES		
Ivy Environmental	578,614	458,092
Administrative Allocation	195,127	134,287
	773,741	592,379
Budget vs. Actual*		76.56%
Cash Reserves Used	390,000	284,577
Surplus (Deficit) - Environmental	\$ -	\$ -
Total Surplus (Deficit)	\$ (0)	\$ 262,982

**Rivanna Solid Waste Authority
Monthly Financial Status Report
FY 2019**

	July	August	September	October	November	December	January	February	March	Year-to-Date
<u>Revenues</u>										
Ivy Operations Tipping Fees	\$ 26,096	\$ 28,325	\$ 16,282	\$ 25,341	\$ 20,201	\$ 11,408	\$ 12,141	\$ 14,624	\$ 24,157	\$ 178,575
Ivy MSW Transfer Tipping Fees	58,095	75,260	52,461	64,358	57,233	48,559	82,839	69,117	118,764	626,686
Ivy Material Sales	15,367	15,616	10,745	13,325	11,160	11,043	6,908	7,251	15,651	107,066
Recycling	13,491	11,385	7,688	52,598	12,008	13,702	21,605	10,320	18,435	161,232
Other Revenues	10,346	22,279	8,777	8,907	6,915	4,661	5,694	5,211	7,515	80,305
Remediation Support	79,982	48,981	26,959	75,940	-	-	75,940	-	-	307,802
Interest & Late Fees	6,834	4,395	6,891	4,258	4,617	7,843	6,187	5,592	6,058	52,675
Total Revenues	\$ 210,212	\$ 206,241	\$ 129,802	\$ 244,726	\$ 112,133	\$ 97,217	\$ 211,314	\$ 112,115	\$ 190,581	\$ 1,514,341
<u>Expenses</u>										
Ivy Operations	\$ 24,197	\$ 23,653	\$ 23,051	\$ 21,339	\$ 29,250	\$ 19,061	\$ 18,449	\$ 20,066	\$ 23,437	\$ 202,502
Ivy Environmental	32,707	52,123	95,272	32,568	58,023	49,945	54,102	47,694	35,659	458,092
Ivy MSW Transfer	42,723	107,353	111,766	118,015	124,100	103,933	61,800	123,914	115,493	909,098
Recycling Operation	41,155	33,947	34,827	33,219	45,639	37,180	25,693	46,267	38,435	336,362
Administration	56,173	51,092	54,213	53,616	55,545	60,716	52,494	62,863	53,584	500,298
Total Expenses	\$ 196,955	\$ 268,167	\$ 319,129	\$ 258,758	\$ 312,556	\$ 270,835	\$ 212,538	\$ 300,803	\$ 266,609	\$ 2,406,351
Net Operating Income (Loss)	\$ 13,257	\$ (61,926)	\$ (189,327)	\$ (14,032)	\$ (200,423)	\$ (173,618)	\$ (1,225)	\$ (188,688)	\$ (76,028)	\$ (892,010)
<u>Other Funding Sources</u>										
Local Government Contributions	\$ -	\$ 265,338	\$ 24,801	\$ 290,138	\$ -	\$ -	\$ 290,138	\$ -	\$ -	\$ 870,415
County Contribution - Capital Grant	260,104	207,201	149,533	-	212,703	-	103,649	-	-	933,189
Transfer to Capital Fund - Transfer Station	(260,104)	(207,201)	(149,533)	-	(212,703)	-	(103,649)	-	-	(933,189)
Use of Cash Reserves	-	-	67,187	-	-	110,544	(7,946)	64,875	49,917	284,577
Surplus (Deficit)	\$ 13,257	\$ 203,412	\$ (97,339)	\$ 276,107	\$ (200,423)	\$ (63,074)	\$ 280,968	\$ (123,813)	\$ (26,111)	\$ 262,983

**Rivanna Solid Waste Authority
Monthly Cash Flow Report
FY 2019**

	July	August	September	October	November	December	January	February	March
Net Operating Income	\$ 13,257	\$ (61,926)	\$ (189,327)	\$ (14,032)	\$ (200,423)	\$ (173,618)	\$ (1,225)	\$ (188,688)	\$ (76,028)
Adjustments for cash flow purposes to show funds available for operations:									
Local Government Contributions	-	265,338	24,801	290,138	-	-	290,138	-	-
(Increase) decrease in accounts receivable	(97,902)	85,761	44,645	5,461	1,112	10,736	(13,870)	79,170	(17,958)
Increase (decrease) in accounts payable	(408,602)	(9,818)	28,396	4,862	(26,149)	2,384	(104,427)	96,956	(1,538)
Capital reserve fund interest not available in operating cash	(3,463)	(1,588)	(3,438)	(1,078)	(719)	(4,273)	(2,363)	(2,162)	(2,181)
Trust fund interest not available in operating cash	(294)	(271)	(222)	(219)	(239)	(238)	(257)	(269)	(245)
Trust fund release for Transfer Station permit	55,968								
Transfer of above amount to capital reserve fund					(55,968)				
Increase (Decrease) in Operating Cash	\$ (441,037)	\$ 277,495	\$ (95,146)	\$ 285,133	\$ (282,386)	\$ (165,010)	\$ 167,996	\$ (14,992)	\$ (97,949)
Operating Cash Balance - Beginning	2,650,834	2,209,797	2,487,292	2,392,146	2,677,279	2,394,893	2,229,883	2,397,879	2,382,887
Operating Cash Balance - Ending	<u>\$ 2,209,797</u>	<u>\$ 2,487,292</u>	<u>\$ 2,392,146</u>	<u>\$ 2,677,279</u>	<u>\$ 2,394,893</u>	<u>\$ 2,229,883</u>	<u>\$ 2,397,879</u>	<u>\$ 2,382,887</u>	<u>\$ 2,284,937</u>

Revenue Detail Report

IVY TRANSFER STATION		
Compost Services	500	339
MSW Transfer Station	8,200	9,167
<i>Subtotal</i>	8,200	9,167

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	14,860	16,446
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\$	89,000	\$	66,750	\$	60,220	\$	(6,530)	-9.78%
	559,200		419,400		566,466		147,066	35.07%
\$	648,200	\$	486,150	\$	626,686	\$	140,536	28.91%

\$	215,000	\$	161,250	\$	123,699	\$	(37,551)	-23.29%
	6,300		4,725		4,787		62	1.32%
	27,000		20,250		29,597		9,347	46.16%
	3,600		2,700		3,149		449	16.63%
\$	251,900	\$	188,925	\$	161,232	\$	(27,693)	-14.66%

\$	79,982	\$	59,987	\$	79,982	\$	19,996	33.33%
	195,925		146,944		146,944		-	0.00%
	107,834		80,876		80,876		1	0.00%
\$	383,741	\$	287,806	\$	307,802	\$	19,996	6.95%

\$ 1,686,001	\$ 1,264,501	\$ 1,514,341	\$ 249,841	19.76%
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Rivanna Solid Waste Authority
Historical Material Tonnage Report - Recycling
Fiscal Years 2015-2019

Fiscal Year 2015	Fiscal Year 2016	Fiscal Year 2017	Fiscal Year 2018	Fiscal Year 2019 (Jul-Mar)
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In U.S. Tons

Fiber Products

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

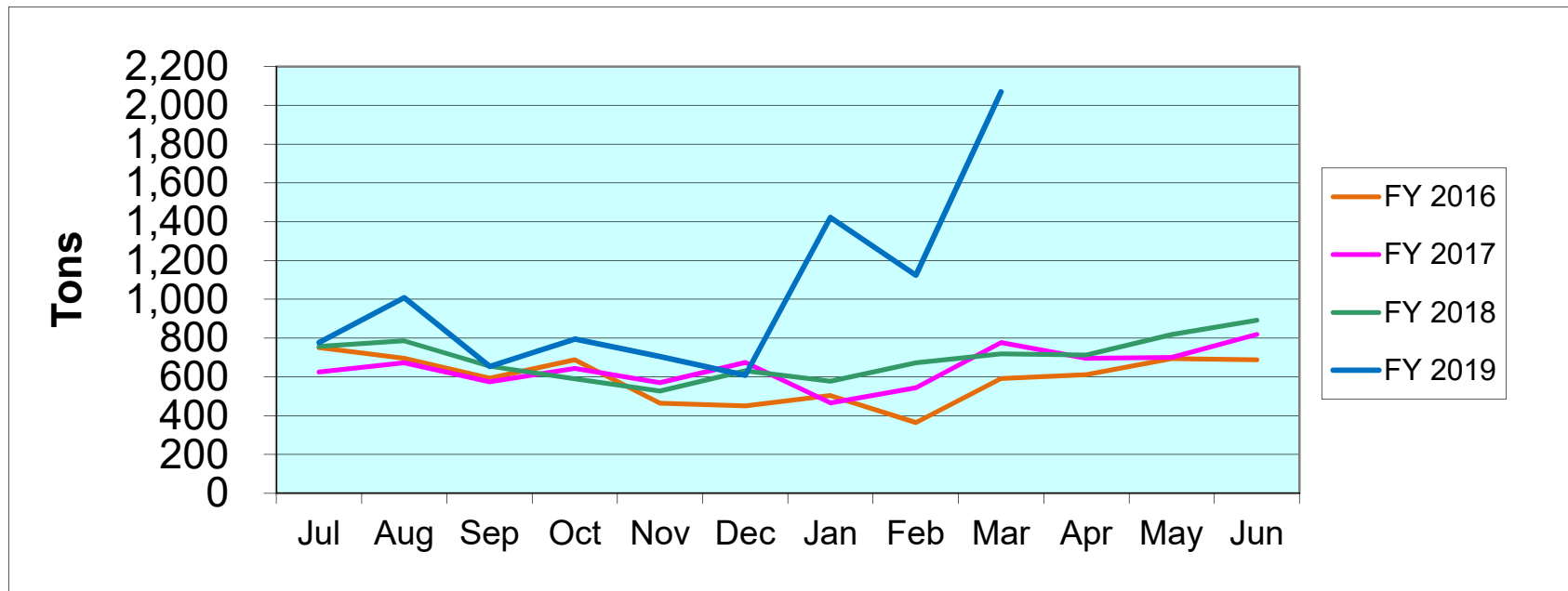
524	512	419	424	343
278	459	812	763	623
212	214	156	187	186
125	125	122	111	90
Total Fiber Products	1,139	1,310	1,509	1,485
			1,485	1,242

Other Products

Glass
Metal Cans
Plastic

219	191	252	252	233
30	32	31	41	41
95	82	86	103	97
Total Other Products	344	305	369	371
Total	1,483	1,615	1,878	1,881
			1,881	1,613

**Rivanna Solid Waste Authority
Ivy MSW Transfer Tonnages
FY 2016 - 2019**





MEMORANDUM

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

**FROM: DAVID RHOADES, SOLID WASTE MANAGER;
PHILLIP MCKALIPS, DIRECTOR OF SOLID WASTE**

REVIEWED BY: BILL MAWYER, EXECUTIVE DIRECTOR

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

DATE: APRIL 23, 2019

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

February 2019

- **2,930 vehicles crossed the scales**
- The IMUC transfer station operated 19 days and received a total of 1,125.24 tons of municipal solid waste (MSW), an average of 59.22 tons per day of operation. The monthly transfer station tonnage figures are attached to this report.
- 650.81 tons of non-MSW materials were received
- 1,776.05 tons were received as a combined total tonnage (MSW + non-MSW)

March 2019

- **4,412 vehicles crossed the scales**
- The IMUC transfer station operated 24 days and received a total of 2,069.50 tons of municipal solid waste (MSW), an average of 86.23 tons per day of operation. The monthly transfer station tonnage figures are attached to this report.
- 792.05 tons of non-MSW materials were received
- 2,861.55 tons were received as a combined total tonnage (MSW + non-MSW)

Paint Collection:

On March 19, 2019, the Ivy MUC shipped out the nineteenth full 30-yard container of paint since the program began in August 2016. RSWA currently has loaded 25 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.

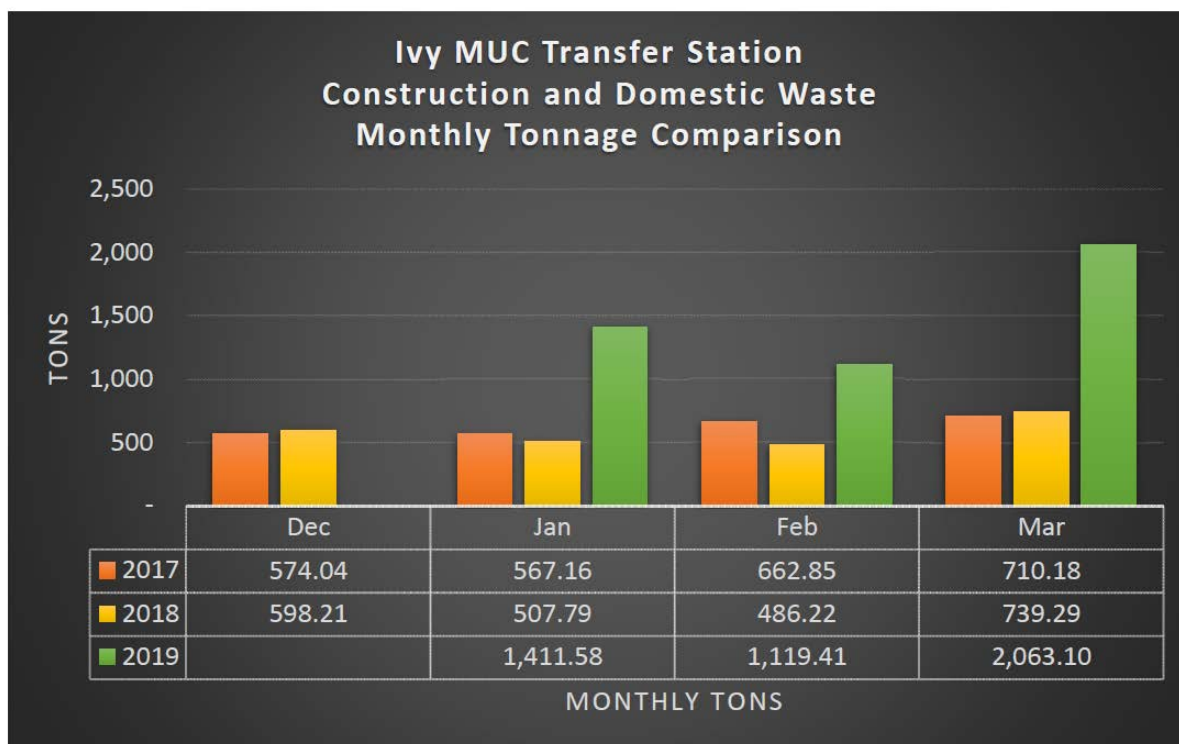
Compostable Food Waste Collection:

This program continues to operate smoothly at the IMUC. 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 4.37 tons of compostable materials residents in February. The McIntire Recycle Center received 4.64 tons of compostable materials residents in March.

Transfer Station Update

As shown on the following figure, we continue to see significant additional tonnages being processed at the new Transfer Station.



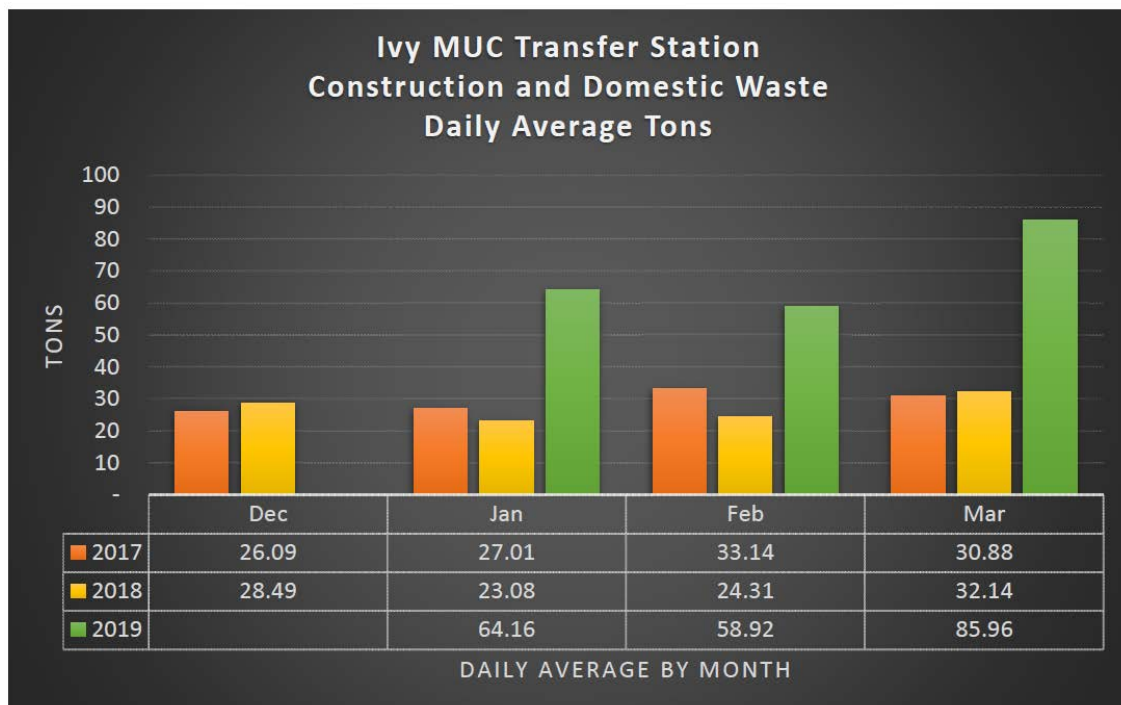
The 2,063.10 total tons received in March 2019 includes the additional tonnages received for two Mondays. As of April 8, we have received the following tonnages on the four Mondays that the facility has been open (as of April 11, 2019).

<u>Monday</u>	<u>Tonnage</u>
March 18	31.44
March 25	123.46
April 1	63.62
April 8	57.14
Average	68.92

The new Transfer Station facility opened in September 2018. On January 1, the tipping fee for Municipal Solid Waste (MSW or “Domestic Waste”) and Construction/Demolition Debris (CDD or “Construction Waste”) was lowered from \$66 per ton to \$52 per ton. On March 18, the Transfer Station began a six-month pilot of being open on Mondays (to form a 6-day work week). With each of these changes, an estimate was made of the additional daily tonnage that would be needed to avoid adding to RSWA’s operating deficit as shown on the following table.

<u>Description</u>	<u>Additional Tonnage Needed</u>	<u>Total Tonnage Needed</u>
Pre-existing Annual Average Daily Tonnage	0	32
Decrease in Tipping Fee	34	66
Additional Operations on Mondays	21	87

As shown on the following figure, our average daily tonnage for the month of March is 85.96 tons per day. This is very close to the target 87 tons per day that will need to be achieved to break even for the addition of Monday operations. The 6-month pilot for Monday operations is planned to continue until September 23, 2019.



Ivy Material Utilization Center
Daily Scale Crossing Data



February 1-28, 2019

Days of

Operation: 19

Operation: 19		MSW collected at Transfer Station (tons)						Non-MSW
	Vehicles	Count	Citizen-Can	Construction	Domestic	MSW Total	Total Tons	
02/01/19	Friday	106	135	1.44	12.69	25.30	39.43	22.87
02/02/19	Saturday	211	244	0.72	10.43	34.91	46.06	12.09
02/03/19	Sunday	-	-	-	-	-	-	-
02/04/19	Monday	-	-	-	-	-	-	-
02/05/19	Tuesday	223	245	0.35	20.42	66.94	87.71	28.94
02/06/19	Wednesday	155	155	0.29	51.05	39.68	91.02	37.07
02/07/19	Thursday	113	137	0.37	3.71	40.12	44.20	35.75
02/08/19	Friday	154	149	0.47	14.62	50.13	65.22	52.83
02/09/19	Saturday	229	280	1.02	5.75	27.96	34.73	14.93
02/10/19	Sunday	-	-	-	-	-	-	-
02/11/19	Monday	-	-	-	-	-	-	-
02/12/19	Tuesday	102	95	0.27	12.79	43.29	56.35	7.21
02/13/19	Wednesday	122	158	0.31	13.24	45.16	58.71	40.09
02/14/19	Thursday	128	150	0.29	24.54	31.81	56.64	50.76
02/15/19	Friday	157	160	0.33	20.40	23.38	44.11	107.90
02/16/19	Saturday	180	296	0.56	9.27	19.89	29.72	7.75
02/17/19	Sunday	-	-	-	-	-	-	-
02/18/19	Monday	-	-	-	-	-	-	-
02/19/19	Tuesday	216	252	0.50	33.68	61.34	95.52	58.42
02/20/19	Wednesday	-	-	-	-	-	-	-
02/21/19	Thursday	95	111	0.25	20.76	47.70	68.71	33.51
02/22/19	Friday	127	147	0.32	9.46	48.93	58.71	19.61
02/23/19	Saturday	130	195	0.74	13.63	23.55	37.92	1.37
02/24/19	Sunday	-	-	-	-	-	-	-
02/25/19	Monday	-	-	-	-	-	-	-
02/26/19	Tuesday	199	200	0.21	23.03	62.44	85.68	46.70
02/27/19	Wednesday	134	166	0.08	15.42	44.01	59.51	40.41
02/28/19	Thursday	149	155	0.22	19.06	46.01	65.29	32.60
Total		2,930	3,430	8.74	333.95	782.55	1,125.24	650.81
Average		154	181	0.46	17.58	41.19	59.22	34.25
Median		149	158	0.33	14.62	43.29	58.71	33.51
Maximum		229	296	1.44	51.05	66.94	95.52	107.90
Minimum		95	95	0.08	3.71	19.89	29.72	1.37

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

Ivy Material Utilization Center
Daily Scale Crossing Data



March 1-31, 2019

Days of

Operation: 24

Ops C

Operation: 24		MSW collected at Transfer Station (tons)						Non-MSW
		Vehicles	Count	Citizen-Can	Construction	Domestic	MSW Total	Total Tons
03/01/19	Friday	131	161	0.36	20.43	34.99	55.78	7.78
03/02/19	Saturday	194	224	0.58	9.83	14.62	25.03	6.31
03/03/19	Sunday	-	-	-	-	-	-	-
03/04/19	Monday	-	-	-	-	-	-	-
03/05/19	Tuesday	195	207	0.30	29.44	40.20	69.94	95.32
03/06/19	Wednesday	165	215	0.32	56.48	52.56	109.36	89.86
03/07/19	Thursday	157	162	0.20	103.27	67.98	171.45	36.03
03/08/19	Friday	130	119	0.12	44.79	28.24	73.15	55.05
03/09/19	Saturday	131	151	0.55	5.98	18.72	25.25	0.31
03/10/19	Sunday	-	-	-	-	-	-	-
03/11/19	Monday	-	-	-	-	-	-	-
03/12/19	Tuesday	208	223	0.31	65.17	60.85	126.33	101.45
03/13/19	Wednesday	174	175	0.08	73.51	26.55	100.14	58.84
03/14/19	Thursday	161	166	0.12	65.80	65.38	131.30	22.80
03/15/19	Friday	219	216	0.38	165.04	43.63	209.05	35.36
03/16/19	Saturday	354	372	0.53	17.34	27.37	45.24	22.51
03/17/19	Sunday	-	-	-	-	-	-	-
03/18/19	Monday	56	58	-	5.13	26.31	31.44	1.53
03/19/19	Tuesday	187	189	0.27	20.72	56.89	77.88	24.76
03/20/19	Wednesday	180	170	0.10	24.93	43.87	68.90	33.13
03/21/19	Thursday	59	78	0.07	9.70	36.56	46.33	5.46
03/22/19	Friday	161	186	0.32	29.58	59.59	89.49	18.30
03/23/19	Saturday	294	352	0.44	20.95	30.35	51.74	15.18
03/24/19	Sunday	-	-	-	-	-	-	-
03/25/19	Monday	114	120	0.05	67.90	55.56	123.51	13.77
03/26/19	Tuesday	206	243	0.32	53.85	64.95	119.12	16.13
03/27/19	Wednesday	183	186	0.11	32.61	48.81	81.53	47.37
03/28/19	Thursday	185	197	0.22	24.84	65.81	90.87	35.54
03/29/19	Friday	236	233	0.15	32.29	65.67	98.11	34.99
03/30/19	Saturday	332	374	0.50	19.16	28.90	48.56	14.27
03/31/19	Sunday	-	-	-	-	-	-	-
Total		4,412	4,777	6.40	998.74	1,064.36	2,069.50	792.05
Average		184	199	0.27	41.61	44.35	86.23	33.00
Median		182	188	0.30	29.51	43.75	79.71	23.78
Maximum		354	374	0.58	165.04	67.98	209.05	101.45
Minimum		56	58	0.05	5.13	14.62	25.03	0.31

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, DIRECTOR OF SOLID WASTE

REVIEWED BY: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: IVY LANDFILL ENVIRONMENTAL STATUS UPDATE

DATE: APRIL 23, 2019

Corrective Action Plan (CAP)

The Ivy MUC continues to maintain compliance with VA DEQ regulations and our approved Corrective Action Plan for groundwater quality.

Surface Water




The Spring 2019 visual survey and sampling event will occur in May. Results from this event will be provided to VA DEQ in a Triannual Corrective Action Site Evaluation (CASE) Report due in October 2021.

Non-CAP Groundwater Monitoring

The Spring 2019 Groundwater Sampling Program will occur in May. The results from this event will be submitted to VA DEQ by August 2019 in accordance with our permit requirements.



695 Moores Creek Lane | Charlottesville, Virginia 22902-9016

434.977.2970 
434.293.8858 
www.rivanna.org 

MEMORANDUM

**TO: RIVANNA SWAUTHORITY
BOARD OF DIRECTORS**

FROM: BILL MAWYER, EXECUTIVE DIRECTOR

SUBJECT: APPROVAL OF HOLIDAY ON FRIDAY, JULY 5TH

DATE: APRIL 23, 2019

Approval of Friday, July 5, 2019 as a holiday is requested for our Solid Waste employees. This will provide equity with Rivanna Water & Sewer employees who may also be granted a holiday on July 5th.

While our Ivy MUC and McIntire Recycling facilities will be closed on Thursday, July 4th to observe the Independence Day holiday, they will be open on July 5th to serve our customers. If a holiday is approved for July 5th, Solid Waste employees who work on that day will receive 8 hours of premium pay.

Board Action Requested:

It is respectfully requested that the Board of Directors authorize a holiday (8 hours) on July 5, 2019.

MEMORANDUM

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

FROM: BILL MAWYER, EXECUTIVE DIRECTOR

**SUBJECT: INTRODUCTION OF FISCAL YEAR 2019-2020 BUDGET,
AND ADOPTION OF PRELIMINARY RATE RESOLUTION**

DATE: APRIL 23, 2019

Fiscal Year 2019-2020 will be another dynamic year for the Rivanna Solid Waste Authority. With lower fees and an expanded operating schedule (open on Monday), the new Transfer Station is receiving 2.7 times more MSW and CDD tonnage than in prior years. Documents are being developed to construct a recycling Convenience Center at Ivy, along with planning for a compost facility to reuse food, and other, material, as requested and fully funded by Albemarle County. An eWaste (electronics) recycling program will continue as part of our Fall and Spring Household Hazardous Waste Disposal and Bulky Waste Amnesty Program.

To support these solid waste programs, along with other operating and environmental expenses, an FY 2019-2020 Budget totaling \$4.2 million is proposed. This budget represents an increase in operating expenses of \$1 million (29%), largely due to the additional costs to operate the new Transfer Station at the increased tonnage rate with an expanded operating schedule. The Transfer operation is the largest component of our budget, representing \$1.9 million (46%) of our total estimated expenses.

Proposed personnel additions include two Attendant/Operators to support the expanded Transfer Station operating schedule, along with replacement of three parttime positions with two fulltime positions to support the McIntire Recycling Center and the Paper Sort Facility. A 3% merit pool for current employees is also proposed, along with a 2% increase in health insurance costs. Estimated capital outlay expenses total \$515,000 to support construction of the Ivy Convenience Center, as well as regrading of stormwater ditches and the existing pond.

This budget does not propose any change in the tipping fees for materials delivered to the IMUC in FY 2019-2020. Estimated support from Albemarle County will total \$1.72 million, an increase of \$462,000, while the estimated support from the City will total \$492,000, an increase of \$285,000.

Board Action Recommended:

It is respectfully recommended that the Board of Directors adopt the attached Preliminary Rate Resolution, which authorizes the advertising of the proposed rates to the public and calls for a public hearing on the proposed rates during the Board's regular meeting on May 28, 2019.

Attachment

RESOLUTION

ADOPTION OF THE RIVANNA SOLID WASTE AUTHORITY PRELIMINARY RATE SCHEDULE FOR FISCAL YEAR 2020

WHEREAS, Rivanna Solid Waste Authority (the “Authority”) Board of Directors has reviewed the proposed budget and associated rates for Fiscal Year 2020; and

WHEREAS, Section 15.2-5136(G) of the Code of Virginia, requires the adoption of the preliminary rate schedule for notification of a public hearing prior to any rate change; of which there is a 14-day requirement between the date of the last of two public notices and the actual date fixed for the public hearing; and

NOW, THEREFORE, BE IT RESOLVED that the Rivanna Solid Waste Authority Board of Directors hereby approves the accompanying Ivy Material Utilization Center preliminary rate schedule for the purpose of notification of a public hearing to be held on May 28, 2019 at 2:00 p.m. during the regularly scheduled Board of Directors meeting.

<u>TIPPING FEES PER TON:</u>		<u>TIPPING FEES PER ITEM:</u>	
Clean Fill Material	\$ 10.00	Freon Appliances	\$ 17.00
Pallets	\$ 48.00	Non-Freon Appliances	\$ 9.00
Vegetation/ Yard Waste	\$ 48.00	Passenger Veh. Tire Off Rim	\$ 6.00
Non-Freon Appliances	\$105.00	Passenger Veh. Tire With Rim	\$ 13.00
Domestic Waste (MSW)	\$ 52.00	Large Truck Tire Off Rim	\$ 17.00
Construction Debris (CDD)	\$ 52.00	Large Truck Tire With Rim	\$ 33.00
Compostable Waste (Business Only)	\$178.00		
Tires	\$190.00		
<u>OTHER CHARGES:</u>			
Minimum Charge (per load)	\$ 6.00	Service Fee Per Ticket:	
Mulch or Lumber Log (per ton)	\$ 30.00	Albemarle County customers	\$ 1.00
Trash Stickers (for set of 12)	\$ 24.00	Other customers	\$ 10.00
Ticket Request (per copy)	\$ 1.00	Hauling Fee Per Load Based on Location:	
Credit Application Fee (each)	\$ 35.00	Minimum	\$100.00
		Maximum	\$142.00



RIVANNA SOLID WASTE AUTHORITY PUBLIC HEARING CONCERNING THE DRAFT BUDGET AND PROPOSED TIPPING FEES FOR FY 2020, WHICH BEGINS JULY 1, 2019

Public Hearing:

Rivanna Solid Waste Authority will hold a public hearing on Tuesday, May 28, 2019 at 2:00 p.m. at the regular Rivanna Solid Waste Authority Board of Directors meeting in the Administrative Office main conference room, **695 Moores Creek Lane, Charlottesville, VA.** The purpose of the public hearing is to consider the following fees and charges effective July 1, 2019:

<u>TIPPING FEES PER TON:</u>		<u>TIPPING FEES PER ITEM:</u>	
Clean Fill Material	\$ 10.00	Freon Appliances	\$ 17.00
Pallets	\$ 48.00	Non-Freon Appliances	\$ 9.00
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		Maximum	\$142.00

Additional information can be obtained on the Rivanna website at www.rivanna.org. Please call 977-2976, ext. 0 or send e-mail to info@rivanna.org with any questions you may have.

Proposed Budget

Fiscal Year 2019-2020
\$4.2 M



Presented by Bill Mawyer, Executive Director

April 23, 2019

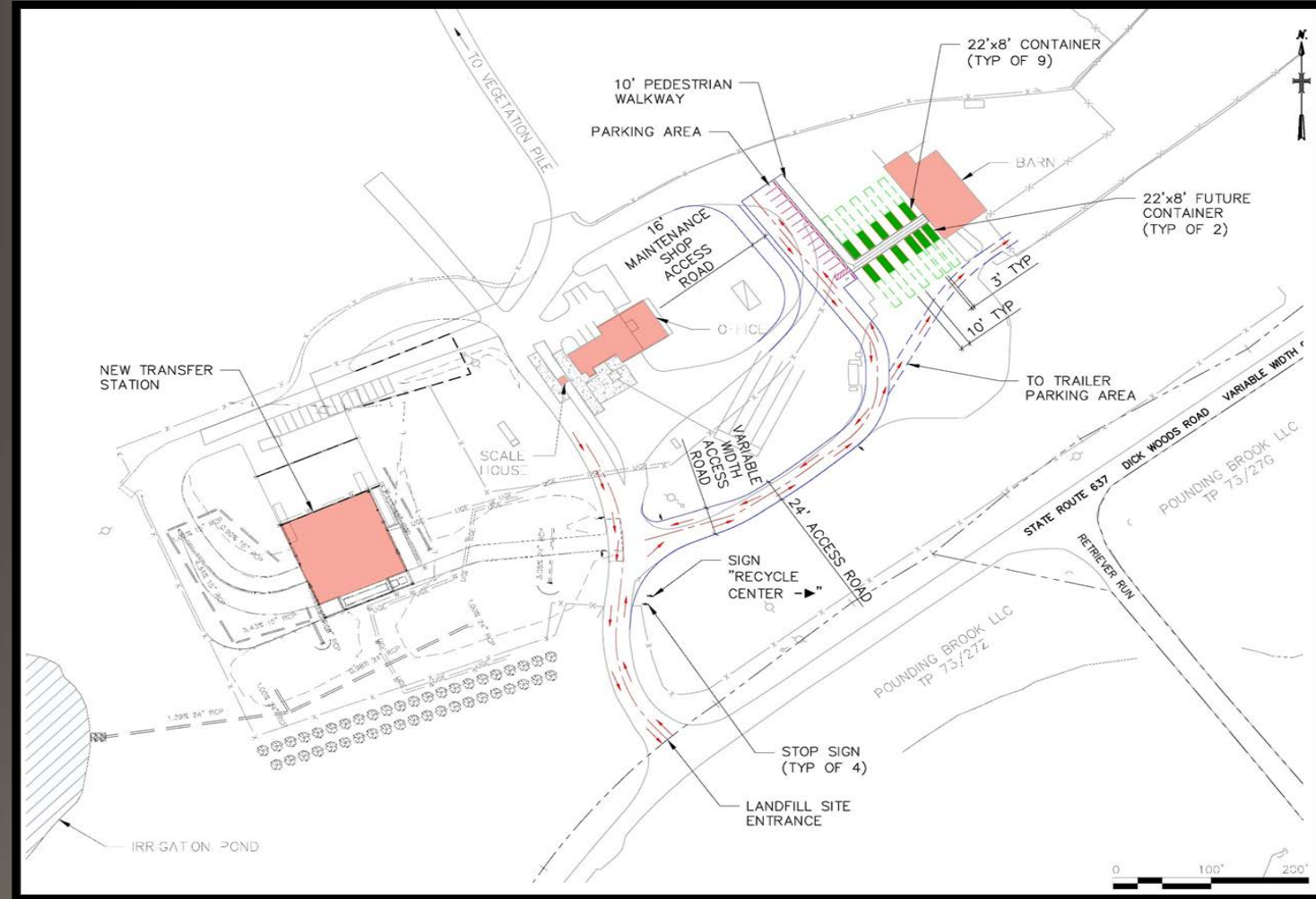
Accomplishments in FY 2019

- Completed the new Ivy Transfer Station
- Lowered MSW/CDD Tipping Fees and Added Monday Operations to the IMUC
- Completed Ivy Master Plan
- Started Design of New IMUC Convenience Center
- Started Planning IMUC Compost Facility



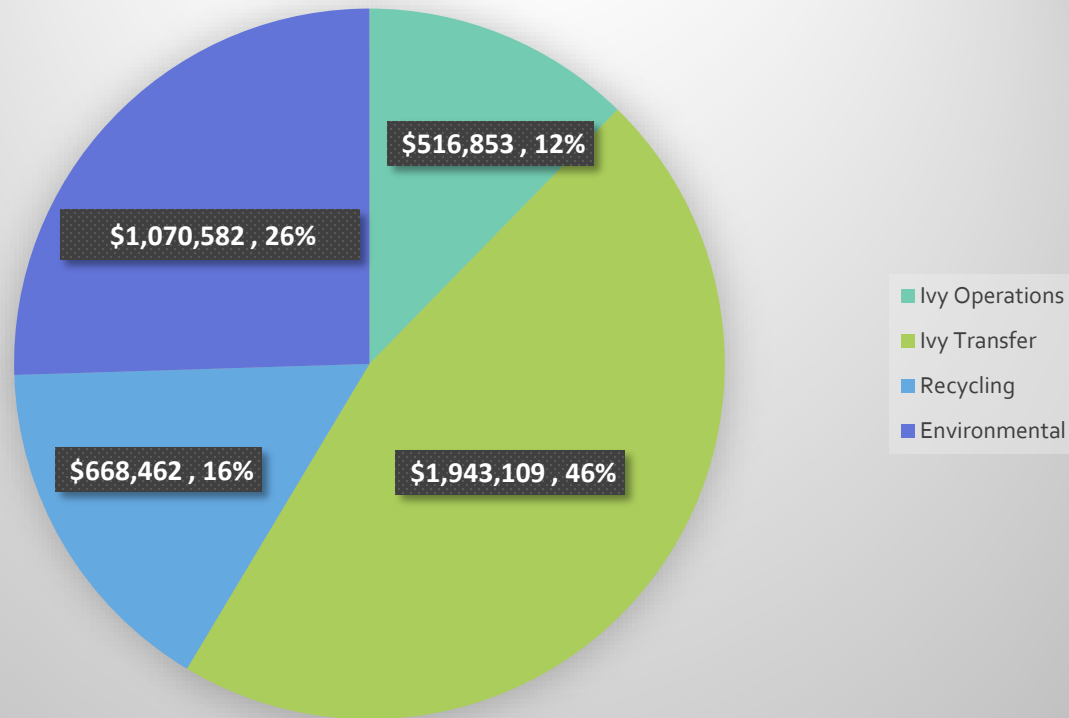
Looking Ahead to FY 2020

- Begin Construction of the IMUC Convenience Center
- Optimize Transfer Operations & Recycling
- Complete a Forestry Management Plan for IMUC
- Continue HHW, eWaste, and Compost Programs

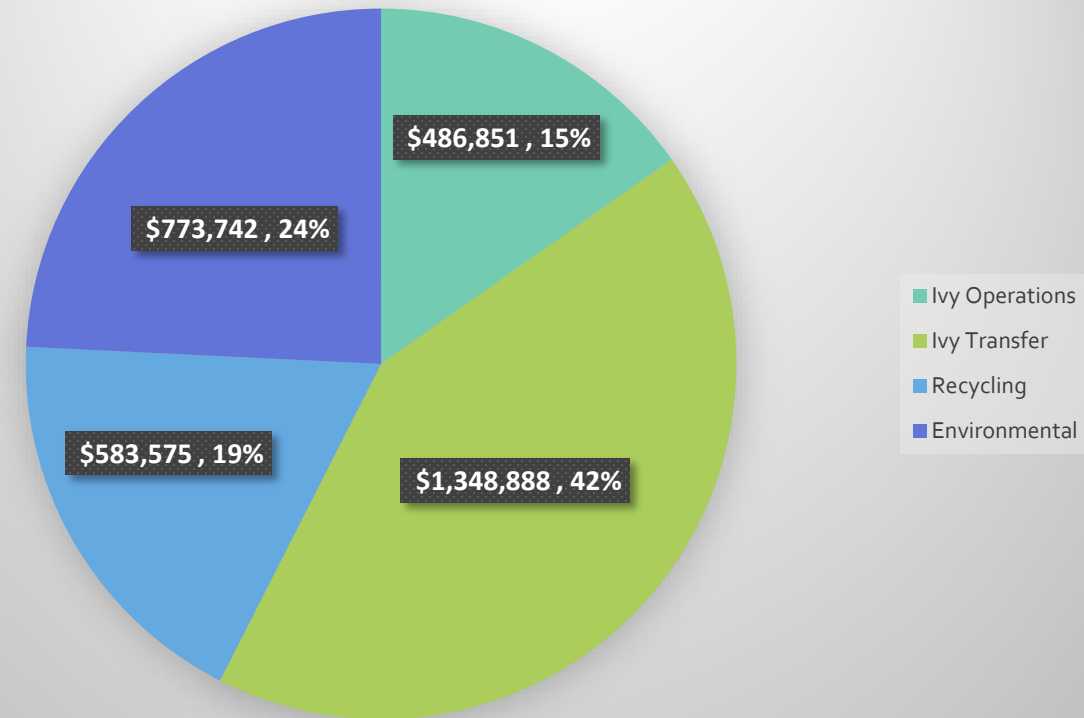


Budget Summary & Comparison

FY 2020 Total Budget: \$4.2 M



FY 2019 Total Budget: \$3.2 M



Budget Increase Drivers

- Increased Transfer Expenses ~\$585 K
 - Increased Transfer Revenues ~\$655 K
- Increased Recycling Expenses ~\$80 K
- Increased Environmental Expenses ~\$300 K
 - Landfill Cap Regrading ~\$1 M
- No Use of Reserves ~\$390 K

Cost Centers

Ivy Operations – Yard/Veg Waste, Tires, Clean Fill, Bulky Waste

- | | | | |
|-------------|-----------|-----------------|-----------|
| • Revenue: | \$322,900 | • Local Funding | |
| • Expenses: | \$516,853 | • County: | \$193,953 |

Cost Centers

Ivy Transfer – Staff, Maintenance, and Contract Costs for the Transfer operation

- Revenues: \$1,383,540
- Expenses: \$1,943,109
- Local Funding
 - County: \$ 559,569

Cost Centers

Recycling – McIntire Recycling Center and Paper Sort Facility

- Revenues: \$200,900
- Expenses: \$668,462

- Local Funding
 - County: \$327,293 70%
 - City: \$140,269 30%

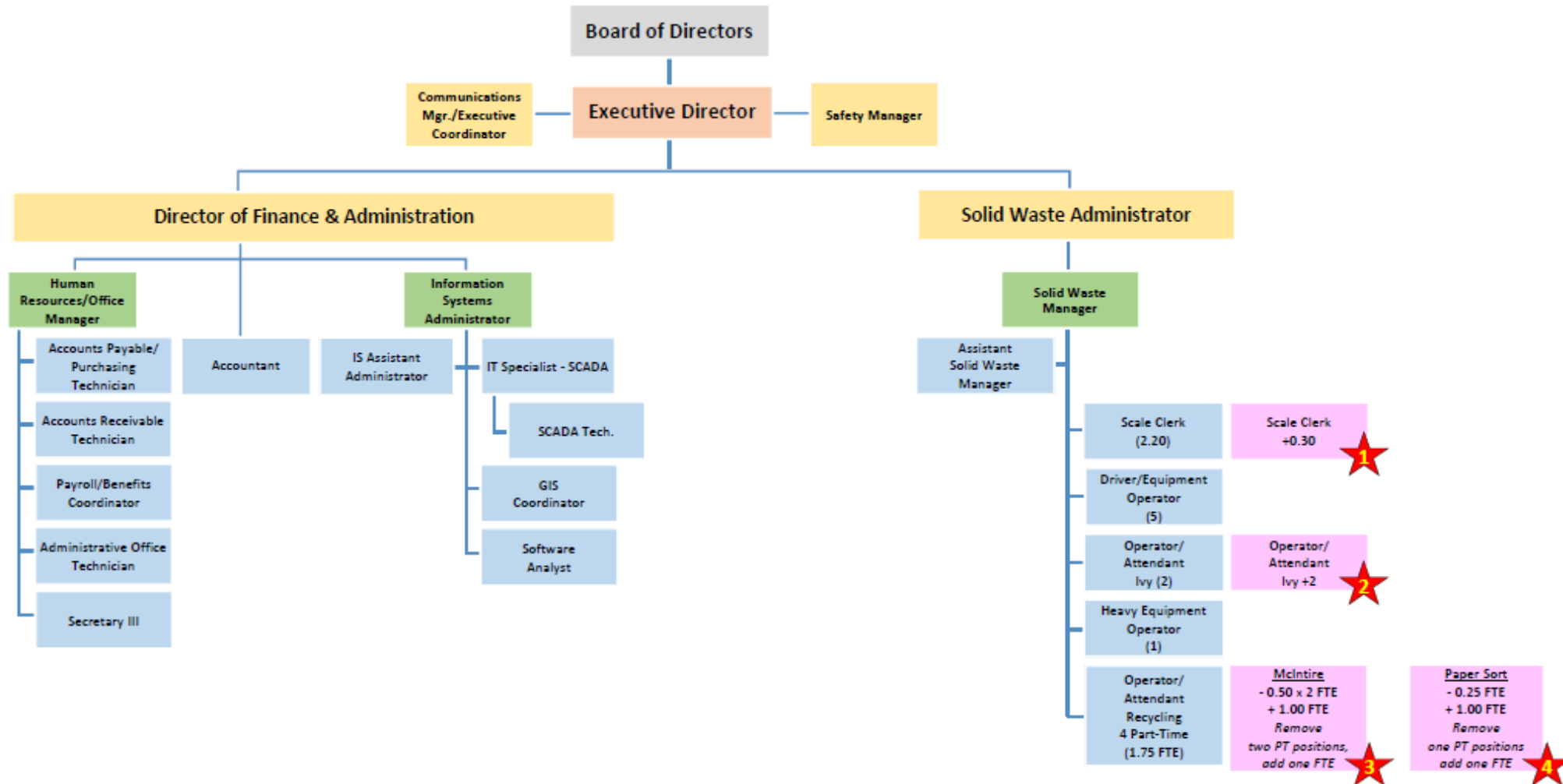
Budget Summary

Expenses: \$4.2 M

- 3% Merit Pool:
 - \$18,600
- 2% Increase in Health Insurance:
 - \$3,200
- Additional Positions: 3.05 FTEs:
 - \$139,000
- +2 Attendant/Operators:
 - IMUC, open on Monday
- +0.75 Recycling Attendant:
 - MRC and Paper Sort
 - Converts 3 Temporary Positions (1.25 FTEs) to 2.0 FTEs = 0.75 FTE increase
- +0.3 Ivy Scale Attendants:
 - From 2.2 to 2.5 FTEs

Revenues: \$4.2 M

- Tip Fees and Sales: \$1.95 M
- County, City and UVA Support
 - County:
 - \$462,476 incr. \$1.719 M
 - City:
 - \$284,894 incr. \$491,932
 - UVA:
 - contract amount \$79,982
- No Change in Tipping Fees for FY20
 - Except pallet recycling eliminated



FTE Positions by Department

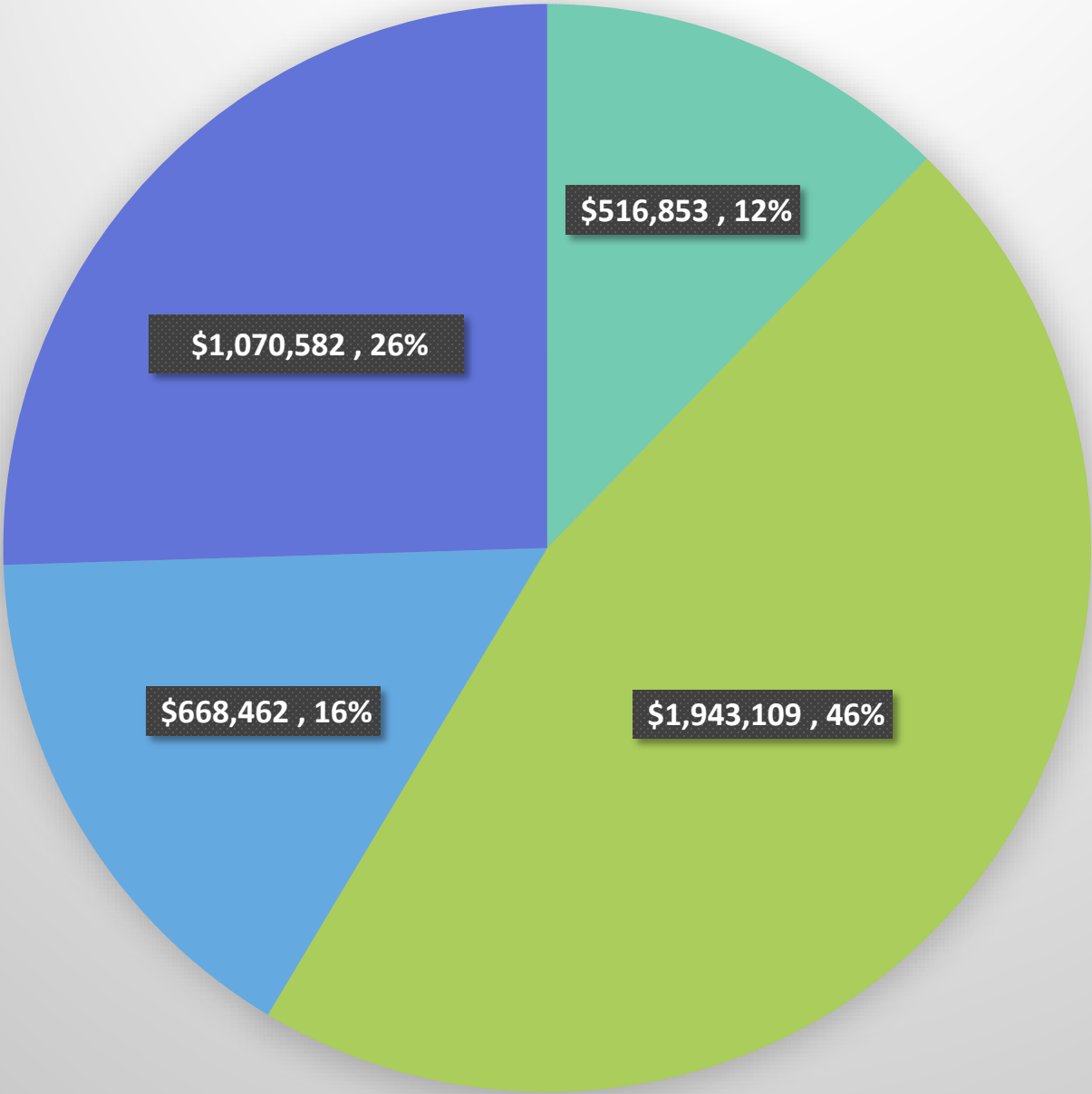
Department	FY18-19 FTE	FY19-20 FTE	Change +/-
*Joint Administrative Staff	17.00	17.00	0.00
Ivy & Recycling Operations	14.95	18.00	3.05

*All positions except for the Solid Waste Administrator position and its reports are Joint Administration.

FY 2019-2020 Proposed FTE Changes

1. Current Scale Attendant position staff: 2.20 FTE. Propose position staffing of 2.50 FTE.
2. Current Ivy Operator/Attendant position staff: 2.00 FTE. Propose position staffing of 4.00 FTE.
3. Current McIntire Operator/Attendant position staff: 1.50 FTE (three PT positions). Propose position staffing of 1.5 FTE (one PT and one FT).
4. Current Paper Sort Operator/Attendant position staff: 0.25 FTE. Propose position staffing of 1 FTE.

FY 2020 Total Budget: \$4.2 M



- Ivy Operations
- Ivy Transfer
- Recycling
- Environmental

Questions?

RESOLUTION

ADOPTION OF THE RIVANNA SOLID WASTE AUTHORITY PRELIMINARY RATE SCHEDULE FOR FISCAL YEAR 2020

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Compostable Waste (Business Only)	\$178.00		
Tires	\$190.00		
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Credit Application Fee (each)	\$ 35.00	Minimum	\$100.00
		Maximum	\$142.00

Fiscal Year 2020- Budget Proposal



April 23, 2019

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Prepared April 15, 2019
Adopted

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**RIVANNA SOLID WASTE AUTHORITY
BUDGET SUMMARY BY PROGRAM
FISCAL YEAR 2020**

Operations Only	Operations Programs Only		IVY OPERATIONS		MSW-IVY TRANSFER		RECYCLE OPERATIONS		ADMINISTRATION SERVICES	
	Adopted Budget FY 2019	Proposed Budget FY 2020	Adopted Budget FY 2019	Proposed Budget FY 2020	Adopted Budget FY 2019	Proposed Budget FY 2020	Adopted Budget FY 2019	Proposed Budget FY 2020	Adopted Budget FY 2019	Proposed Budget FY 2020
REVENUES										
Ivy Tipping Fees	\$ 158,960	\$ 199,400	\$ 158,960	\$ 199,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Ivy MSW Tipping	648,200	1,290,540	-	-	648,200	1,290,540	-	-	-	-
Material Sales-Ivy	121,500	123,500	121,500	123,500	-	-	-	-	-	-
Recycling Revenues	251,900	200,900	-	-	-	-	251,900	200,900	-	-
Other Revenues	77,200	93,000	-	-	77,200	93,000	-	-	-	-
Interest & Fees	44,500	42,600	-	-	-	-	-	-	44,500	42,600
Total Revenues	\$ 1,302,260	\$ 1,949,940	\$ 280,460	\$ 322,900	\$ 725,400	\$ 1,383,540	\$ 251,900	\$ 200,900	\$ 44,500	\$ 42,600
% Change		49.74%		15.13%		90.73%		-20.25%		-4.27%
EXPENSES										
Ivy Operations	\$ 324,245	\$ 345,846	\$ 324,245	\$ 345,846	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MSW Transfer-Ivy	1,186,282	1,772,102	-	-	1,186,282	1,772,102	-	-	-	-
Recycling Operations	452,490	531,656	-	-	-	-	452,490	531,656	-	-
Administration	694,924	726,629	-	-	-	-	-	-	694,924	726,629
Total Expenses	\$ 2,657,942	\$ 3,376,232	\$ 324,245	\$ 345,846	\$ 1,186,282	\$ 1,772,102	\$ 452,490	\$ 531,656	\$ 694,924	\$ 726,629
% Change		27.02%		6.66%		49.38%		17.50%		4.56%
Subtotal	\$ (1,355,682)	\$ (1,426,292)	\$ (43,785)	\$ (22,946)	\$ (460,882)	\$ (388,562)	\$ (200,590)	\$ (330,756)	\$ (650,424)	\$ (684,029)
Administrative allocations (Appendix 3)										
Administrative costs to Envir. MOU	\$ 195,127	\$ 205,209							\$ 195,127	\$ 205,209
Administrative costs to Operations		-	(162,606)	(171,007)	(162,605)	(171,007)	(130,085)	(136,806)	455,297	478,820
Net Operating Results	\$ (1,160,555)	\$ (1,221,084)	\$ (206,391)	\$ (193,953)	\$ (623,487)	\$ (559,569)	\$ (330,675)	\$ (467,562)	\$ (0)	\$ -
Other Funding Sources & Adjustments:										
Local Government Contributions - Operations	\$ 1,160,555	\$ 1,221,084								
County Contribution - Capital Grant	\$ -	\$ 350,000								
Transfer to Capital Fund-Ivy Recycling Center	-	(350,000)								
Surplus (Deficit) - Operations	\$ -	\$ -								

Environmental Programs		Adopted Budget FY 2019	Proposed Budget FY 2020
REVENUES			
MOU Support		\$ 383,741	\$ 1,070,582
Total Revenues		\$ 383,741	1,070,582
			178.99%
EXPENSES			
Ivy Environmental		\$ 578,614	\$ 865,373
Administrative allocation		195,127	205,209
		\$ 773,741	1,070,582
			49.56%
Cash Reserves Used		\$ 390,000	\$ -
Surplus (Deficit) - Environmental		\$ 0	\$ -

**RIVANNA SOLID WASTE AUTHORITY
ENVIRONMENTAL HORIZON**

Item	Description	FY 2019 Adopted	FY 2019 as of January 2019	Estimated Yearend FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025-2029 Five year Estimate	TEN YEAR ESTIMATE
1	Groundwater System Maintenance	\$ 6,500	\$ 24,099	\$ 41,313	\$ 6,500	\$ 6,500	\$ 6,500	\$ 6,500	\$ 6,500	\$ 32,500	\$ 65,000
2	Gas System Maintenance support	30,000	5,268	9,031	30,000	30,000	50,000	30,000	30,000	150,000	320,000
3	Ambient Air & Ground Water Monitoring - Settlement Agreement	13,000	7,520	12,892	6,000	5,000	5,000	5,000	5,000	25,000	51,000
4	Compliance Ground Water Well Monitoring - Permit related	65,000	44,587	76,435	65,000	65,000	70,000	70,000	70,000	350,000	690,000
5	Surface Water	15,000	8,077	13,847	15,000	15,000	15,000	15,000	15,000	75,000	150,000
6	Cell 3 Cap Replacement	-	-	-	250,000	-	-	-	-	-	250,000
7	Cell 3 O&M	-	-	-	-	-	-	-	-	-	-
8	Paint Pit SVE	10,000	-	-	-	-	-	-	-	-	-
9	Full-Scale EBR - Monitoring	30,000	39,401	67,545	30,000	30,000	35,000	35,000	35,000	175,000	340,000
10	Full-Scale EBR - Injections and Reporting	-	-	-	-	-	30,000	-	-	60,000	90,000
11	Cobalt MNA Monitoring	4,000	2,261	3,876	4,000	4,000	4,000	4,000	4,000	20,000	40,000
12	Greenhouse Gas Monitoring and Reporting	5,000	-	-	5,000	5,000	5,000	5,000	5,000	25,000	
										-	-
N/A	Existing Operations & Maintenance (staff, insurance, maint.)	380,114	243,526	433,238	434,123	447,147	460,561	474,378	488,609	2,443,046	4,747,864
N/A	Contingency	20,000	-	-	20,000	20,000	20,000	20,000	20,000	100,000	200,000
	Total Estimated Cost	\$ 578,614	\$ 374,739	\$ 658,177	\$ 865,623	\$ 607,647	\$ 681,061	\$ 644,878	\$ 659,109	\$ 3,355,546	\$ 6,943,864

Rivanna Solid Waste Authority
Fiscal Year 2019-2020 Proposed Budget

Budget Summary

OPERATIONS	Adopted Budget FY 2018-2019	Estimated Year-end FY 2018-2019	Proposed Budget FY 2019-2020	FY 2019 vs. FY 2020 Variance \$	FY 2019 vs. FY 2020 Variance %
<u>Revenues</u>					
Ivy Tipping Fees	\$ 158,960	\$ 239,647	\$ 199,400	\$ 40,440	25.44%
Ivy MSW Transfer Tipping	648,200	845,222	1,290,540	642,340	99.10%
Material & Other Sales-Ivy	121,500	144,281	123,500	2,000	1.65%
Recycling Revenues	251,900	205,961	200,900	(51,000)	-20.25%
Other Revenues	77,200	115,850	93,000	15,800	20.47%
Interest & Fees	44,500	70,329	42,600	(1,900)	-4.27%
Total Revenues	\$ 1,302,260	\$ 1,621,289	\$ 1,949,940	\$ 647,680	49.74%
<u>Expenses</u>					
Ivy Operations	\$ 324,245	\$ 329,541	\$ 345,846	\$ 21,601	6.66%
MSW Transfer Ivy	1,186,282	1,346,012	1,772,102	585,819	49.38%
Recycling Operations	452,490	447,577	531,656	79,166	17.50%
Administration	694,924	683,848	726,629	31,705	4.56%
Total Expenses	\$ 2,657,942	\$ 2,806,978	\$ 3,376,232	\$ 718,291	27.02%
Operating Net Income (Loss)	\$ (1,355,682)	\$ (1,185,689)	\$ (1,426,292)	\$ (70,611)	5.21%
<u>Other Funding Sources & Adjustments</u>					
Local Government Contributions-Operations	\$ 1,160,554	\$ 1,160,554	\$ 1,221,084	\$ 60,530	5.22%
Administrative costs allocation from MOU	195,127	205,154	205,209	10,082	5.17%
County Contribution-Capital Grant	-	1,075,125	350,000	350,000	
Transfer to Capital Fund-Transfer Station	-	(1,075,125)	(350,000)	(350,000)	
Net Income (Loss)	\$ -	\$ 180,020	\$ -	\$ 1	

ENVIRONMENTAL PROGRAMS (MOU)

<u>Revenues</u>					
Remediation Support	\$ 383,741	\$ 383,742	\$ 1,070,582	\$ 686,841	178.99%
	\$ 383,741	\$ 383,742	\$ 1,070,582	\$ 686,841	
<u>Expenses</u>					
Ivy Environmental	\$ 578,614	\$ 660,429	\$ 865,373	\$ 286,759	49.56%
Administrative allocation to MOU (30%)	195,127	205,154	205,209	10,082	5.17%
	\$ 773,741	\$ 865,583	\$ 1,070,582	\$ 296,841	
<u>Use of Cash Reserves</u>	\$ 390,000	\$ 390,000	\$ -	\$ (390,000)	-100.00%
Net Environmental Results	\$ 0	\$ (91,841)	\$ -	\$ (0)	

Rivanna Solid Waste Authority
Fiscal Year 2019-2020
Proposed Budget
Detailed Operating Revenue Estimates

Revenue Line Item	Tipping Fees		Tonnage		FY 2019		Revenue Estimates		FY 2019 vs. FY 2020 Variance \$	FY 2019 vs. FY 2020 Variance %
	FY	FY	Budgeted	Estimate	Actual \$	Projected	Adopted FY	Proposed FY		
	2018-2019	2019-2020	Estimate	Estimate	7 Months	12 Months	2018-2019	2019-2020		
IVY TIPPING FEES										
Clean Fill Material	\$ 10.00	\$ 10.00	5,000	6,500	\$ 43,228	\$ 74,105	\$ 50,000	\$ 65,000	\$ 15,000	30%
Grindable Material	48.00	48.00	1,500	2,100	69,024	118,327	72,000	100,800	28,800	40%
Pallets	48.00	-	70	-	1,835	3,146	3,360	-	(3,360)	-100%
Tires, Whole	190.00	190.00	90	90	11,336	19,433	17,100	17,100	-	0%
Tires/White Good (per item)					14,371	24,636	16,500	16,500	-	0%
<i>Subtotal</i>			6,660	8,690	\$ 139,794	\$ 239,647	\$ 158,960	\$ 199,400	\$ 40,440	25%
TRANSFER STATION - IVY TIPPING FEES										
Compost Charge for Services	\$ 178.00	\$ 178.00	500	430	\$ 44,824	\$ 76,841	\$ 89,000	\$ 76,540	\$ (12,460)	
IVY - MSW/Const. TS	52.00	52.00	8,200	23,000	393,981	768,381	559,200	1,214,000	\$ 654,800	117%
<i>Subtotal</i>			8,200	23,000	\$ 438,805	\$ 845,222	\$ 648,200	\$ 1,290,540	\$ 642,340	99%
MATERIAL SALES - IVY										
Encore					\$ 12,533	\$ 21,485	\$ 19,000	\$ 20,000	\$ 1,000	5%
Metals					24,696	42,336	30,000	40,000	10,000	33%
Wood Mulch & Chips					13,443	23,045	22,000	23,000	1,000	5%
Hauling Fees					32,963	56,508	50,000	40,000	(10,000)	-20%
Other Materials					529	907	500	500	-	0%
<i>Subtotal</i>					\$ 84,164	\$ 144,281	\$ 121,500	\$ 123,500	\$ 2,000	2%
RECYCLING REVENUES										
Material Sales					\$ 95,626	\$ 163,930	\$ 215,000	\$ 162,000	\$ (53,000)	-25%
Other Materials & Services					4,622	7,923	6,300	6,300	-	0%
Grants					29,597	29,597	27,000	29,000	2,000	7%
Hauling Fees					2,631	4,510	3,600	3,600	-	0%
<i>Subtotal</i>					\$ 132,476	\$ 205,961	\$ 251,900	\$ 200,900	\$ (51,000)	-20%
OTHER REVENUES										
Service Charge Fees					\$ 49,979	\$ 85,678	\$ 70,000	\$ 85,000	\$ 15,000	21%
Other Revenues					17,600	30,171	7,200	8,000	800	
<i>Subtotal</i>					\$ 67,579	\$ 115,850	\$ 77,200	\$ 93,000	\$ 15,800	20%
REMEDIATION SUPPORT										
UVA Contribution					\$ 79,982	\$ 79,982	\$ 79,982	\$ 79,982	\$ -	0%
County Contribution					146,944	195,925	195,925	638,937	443,012	226%
City Contribution					80,876	107,835	107,835	351,663	243,828	226%
<i>Subtotal</i>					\$ 307,802	\$ 383,742	\$ 383,741	\$ 1,070,582	\$ 686,841	179%
INTEREST, LATE FEES, OTHER										
Trust Fund Interest					\$ 1,741	\$ 2,985	\$ 2,000	\$ 2,000	\$ -	0%
Finance Charges					863	1,479	500	600	-	0%
Capital Fund Interest					16,922	29,009	17,000	15,000	(2,000)	-12%
Daily Investment Interest					21,499	36,855	25,000	25,000	-	0%
<i>Subtotal</i>					\$ 41,025	\$ 70,329	\$ 44,500	\$ 42,600	\$ (2,000)	-4%
Total Revenues					\$ 1,211,645	\$ 2,005,031	\$ 1,686,001	\$ 3,020,522	\$ 1,334,421	79%

Expense Details by Department

Rivanna Solid Waste Authority

Fiscal Year 2019-2020

**Rivanna Solid Waste Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail by Department
IVY OPERATIONS**

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	FY 2019 vs. FY 2020 Variance \$	FY 2019 vs. FY 2020 Variance %
			Seven Months Actual 1/31/2019	Projected Yearend 6/30/19			
10000	Salaries and Benefits						
11000	Salaries	\$ 118,200	\$ 70,811	\$ 121,390	\$ 123,800	\$ 5,600	4.7%
11010	Holiday & Overtime Pay	8,600	5,813	9,966	8,600	-	0%
12010	FICA	9,700	5,812	9,964	10,129	428	4%
12020	Health Insurance	26,200	9,713	16,650	26,800	600	2%
12026	Employee Assistance Program	30	18	30	30	-	0%
12030	Retirement	11,016	5,283	9,057	11,538	522	5%
12040	Life Insurance	1,548	716	1,228	1,622	73	5%
12050	Fitness Program	50	119	204	50	-	0%
12060	Worker's Comp Insurance	8,600	6,586	8,782	10,200	1,600	19%
	Subtotal	\$ 183,945	\$ 104,871	\$ 177,270	\$ 192,769	\$ 8,824	5%
13000	Other Personnel Costs						
13100	Employee Dues & Licenses	\$ 100	\$ 128	\$ 220	\$ 100	\$ -	0%
13150	Education & Training	700	227	389	700	-	0%
13200	Travel & Lodging	200	50	86	200	-	0%
13250	Uniforms	2,600	1,842	3,158	2,600	-	0%
13325	Recruiting and Medical Testing	200	272	466	200	-	0%
13350	Other	500	321	550	500	-	0%
	Subtotal	\$ 4,300	\$ 2,840	\$ 4,869	\$ 4,300	\$ -	0%
	Professional Services						
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	
20200	Financial & Admin. Services	-	-	-	-	-	
20300	Engineering Consultants	-	-	-	-	-	
	Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	
	Other Services and Charges						
21100	General Liability/Property Insurance	\$ 5,500	\$ 4,219	\$ 4,219	\$ 5,500	\$ -	0%
21150	Advertising / Communication / Outreach	-	-	-	-	-	
21250	Administrative Services RWSA	-	-	-	-	-	
21252	EMS Programs/Supplies	-	-	-	-	-	
21253	Safety Programs/Supplies	500	4,597	7,880	-	(500)	-100%
21300	Authority Dues/Permits/Fees	1,200	-	-	1,200	-	0%
21350	Laboratory Analysis	-	-	-	-	-	
21400	Utilities	3,500	1,594	2,732	3,500	-	0%
21420	General Other Services	1,000	506	867	1,000	-	0%
21430	Governance & Strategic Support	-	-	-	-	-	
21450	Bad Debt Write-Offs	-	-	-	-	-	
	Subtotal	\$ 11,700	\$ 10,915	\$ 15,699	\$ 11,200	\$ (500)	-4%
22000	Communication						
22100	Radio	\$ -	\$ 986	\$ 986	\$ -	\$ -	#DIV/0!
22150	Telephone & Data Service	1,400	599	1,027	1,400	-	0%
22200	Cell Phones & Pagers	400	233	400	400	-	0%
	Subtotal	\$ 1,800	\$ 1,819	\$ 2,412	\$ 1,800	\$ -	0%
31000	Information Technology						
31100	Computer Hardware	\$ 1,000	\$ -	\$ -	\$ 1,000	\$ -	0%
31200	Maintenance & Support Services	1,000	400	686	275	(725)	-73%
31250	Software Purchases	-	-	-	-	-	
	Subtotal	\$ 2,000	\$ 400	\$ 686	\$ 1,275	\$ (725)	-36%
32000	Vehicles and Equipment Maint.						
32100	Vehicle Maintenance & Repair	\$ 10,000	\$ 4,852	\$ 8,318	\$ 10,000	\$ -	0%
32150	Equipment Maint. & Repair	40,000	6,884	25,000	30,000	(10,000)	-25%
32200	Fuel	5,000	6,358	10,900	5,000	-	0%
32300	Trailer Maint. & Repairs	-	-	-	-	-	

**Rivanna Solid Waste Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail by Department
IVY OPERATIONS**

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	FY 2019 vs. FY 2020 Variance \$	FY 2019 vs. FY 2020 Variance %
			Seven Months Actual 1/31/2019	Projected Yearend 6/30/19			
	<i>Subtotal</i>	\$ 55,000	\$ 18,095	\$ 44,218	\$ 45,000	\$ (10,000)	-18%
33000	Supplies						
33100	Office Supplies	\$ 1,000	\$ 1,047	\$ 1,796	\$ 1,000	\$ -	0%
33150	Subscriptions/Reference Material	-	-	-	-	-	-
33350	Postage	-	2	3	2	2	-
	<i>Subtotal</i>	\$ 1,000	\$ 1,049	\$ 1,799	\$ 1,002	\$ 2	0%
41000	Operation & Maintenance						
41100	Facility Maintenance	\$ 8,000	\$ 8,547	\$ 14,653	\$ 8,000	\$ -	0%
41400	Materials & Supplies	1,000	1,247	2,137	1,000	-	0%
41450	HHW Disposal	-	-	-	-	-	-
41500	Contracted Labor	-	-	-	-	-	-
41550	Material Purchases	-	-	-	-	-	-
41650	Wood Grinding	40,000	-	50,000	50,000	10,000	25%
41700	Building Rental	-	-	-	-	-	-
41750	Leach Treatment	-	-	-	-	-	-
41760	Tire Disposal	8,000	5,175	8,872	8,000	-	0%
	<i>Subtotal</i>	\$ 57,000	\$ 14,969	\$ 75,662	\$ 67,000	\$ 10,000	18%
43000	Disposal Contracts						
43100	MSW - Ivy Transfer	\$ -	\$ -	\$ -	\$ -	\$ -	-
	<i>Subtotal</i>	\$ -	\$ -	\$ -	\$ -	\$ -	-
51000	Ivy Remediation						
41350	Ground Water Systems Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -	-
41360	Gas Systems Maintenance	-	-	-	-	-	-
51101	Settlement Agreement (Air & Groundwater)	-	-	-	-	-	-
51110	Compliance Ground Water Well Monitoring	-	-	-	-	-	-
51200	Surface Water Monitoring	-	-	-	-	-	-
51223	Cap Replacement and Repair	-	-	-	-	-	-
51224	O&M Cell 3 and P.Plant place holder	-	-	-	-	-	-
51300	Paint Pit Remed. - Gas & Vapor Extraction	-	-	-	-	-	-
51649	Full Scale EBR - Monitoring	-	-	-	-	-	-
51651	Full Scale EBR - Injection & Reporting	-	-	-	-	-	-
51660	Greenhouse Gas Monitoring & Reporting	-	-	-	-	-	-
51670	Cobalt MNA Monitoring	-	-	-	-	-	-
41900	Closure Costs	-	-	-	-	-	-
51800	Contingency	-	-	-	-	-	-
	<i>Subtotal</i>	\$ -	\$ -	\$ -	\$ -	\$ -	-
81000	Equipment						
81100	Small Equipment (under \$5000)	\$ 1,500	\$ 540	\$ 925	\$ 1,500	\$ -	0%
81200	Rental & Leases	-	-	-	-	-	-
81250	Heavy Equipment	-	-	-	-	-	-
	Depreciation	6,000	3,500	6,000	20,000	14,000	233%
	<i>Subtotal</i>	\$ 7,500	\$ 4,040	\$ 6,925	\$ 21,500	\$ 14,000	187%
Total		\$ 324,245	\$ 158,999	\$ 329,541	\$ 345,846	\$ 21,601	7%

Rivanna Solid Waste Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail by Department
IVY ENVIRONMENTAL

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	FY 2019 vs. FY 2020 Variance \$	FY 2019 vs. FY 2020 Variance %
			Seven Months Actual 1/31/2019	Projected Yearend 6/30/19			
10000	Salaries and Benefits						
11000	Salaries	\$ 118,630	\$ 71,222	\$ 122,096	\$ 120,650	\$ 2,020	1.7%
11010	Holiday & Overtime Pay	9,000	7,602	13,032	9,000	-	0%
12010	FICA	9,764	5,980	10,252	9,918	155	2%
12020	Health Insurance	24,480	9,051	15,515	25,000	520	2%
12026	Employee Assistance Program	30	18	30	30	-	0%
12030	Retirement	11,056	5,314	9,110	11,245	188	2%
12040	Life Insurance	1,554	720	1,235	1,581	26	2%
12050	Fitness Program	50	120	205	50	-	0%
12060	Worker's Comp Insurance	8,800	6,755	9,007	9,900	1,100	13%
	Subtotal	\$ 183,364	\$ 106,782	\$ 180,482	\$ 187,373	\$ 4,009	2%
13000	Other Personnel Costs						
13100	Employee Dues & Licenses	\$ 100	\$ 129	\$ 222	\$ 100	\$ -	0%
13150	Education & Training	800	228	391	800	-	0%
13200	Travel & Lodging	200	51	87	200	-	0%
13250	Uniforms	2,700	1,853	3,177	2,700	-	0%
13325	Recruiting and Medical Testing	500	270	462	500	-	0%
13350	Other	500	323	553	500	-	0%
	Subtotal	\$ 4,800	\$ 2,853	\$ 4,891	\$ 4,800	\$ -	0%
	Professional Services						
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	-
20200	Financial & Admin. Services	-	-	-	-	-	-
20300	Engineering Consultants	-	-	-	-	-	-
	Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	-
	Other Services and Charges						
21100	General Liability/Property Insurance	\$ 800	\$ 614	\$ 614	\$ 800	\$ -	0%
21150	Advertising / Communication / Outreach	2,500	360	617	2,500	-	0%
21250	Administrative Services RWSA	-	-	-	-	-	-
21252	EMS Programs/Supplies	-	-	-	-	-	-
21253	Safety Programs/Supplies	250	4,453	7,634	-	(250)	-100%
21300	Authority Dues/Permits/Fees	3,400	2,816	4,827	3,400	-	0%
21350	Laboratory Analysis	-	-	-	-	-	-
21400	Utilities	6,500	2,471	4,236	6,500	-	0%
21420	General Other Services	24,000	16,495	28,277	24,000	-	-
21430	Governance & Strategic Support	-	-	-	-	-	-
21450	Bad Debt Write-Offs	-	-	-	-	-	-
	Subtotal	\$ 37,450	\$ 27,209	\$ 46,206	\$ 37,200	\$ (250)	-1%
22000	Communication						
22100	Radio	\$ -	\$ -	\$ -	\$ -	\$ -	-
22150	Telephone & Data Service	500	60	102	500	-	0%
22200	Cell Phones & Pagers	500	186	318	500	-	0%
	Subtotal	\$ 1,000	\$ 245	\$ 420	\$ 1,000	\$ -	0%
31000	Information Technology						
31100	Computer Hardware	\$ -	\$ -	\$ -	-	\$ -	-
31200	Maintenance & Support Services	6,000	-	-	1,000	(5,000)	-83%
31250	Software Purchases	-	-	-	-	-	-
	Subtotal	\$ 6,000	\$ -	\$ -	\$ 1,000	\$ (5,000)	-
32000	Vehicles and Equipment Maint.						
32100	Vehicle Maintenance & Repair	\$ 2,000	\$ 224	\$ 383	\$ 2,000	\$ -	0%
32150	Equipment Maint. & Repair	5,000	1,366	2,341	5,000	-	0%
32200	Fuel	3,500	4,769	8,175	3,500	-	0%
32300	Trailer Maint. & Repairs	4,000	494	846	4,000	-	0%
	Subtotal	\$ 14,500	\$ 6,852	\$ 11,745	\$ 14,500	\$ -	-
33000	Supplies						
33100	Office Supplies	\$ -	\$ 29	\$ 49	\$ -	\$ -	#DIV/0!
33150	Subscriptions/Reference Material	-	-	-	-	-	-
33350	Postage	-	-	-	-	-	-
	Subtotal	\$ -	\$ 29	\$ 49	\$ -	\$ -	-
41000	Operation & Maintenance						
41100	Facility Maintenance	\$ 15,000	13,483	23,113	\$ 15,000	\$ -	0%

Rivanna Solid Waste Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail by Department
IVY ENVIRONMENTAL

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	FY 2019 vs. FY 2020 Variance \$	FY 2019 vs. FY 2020 Variance %
			Seven Months Actual 1/31/2019	Projected Yearend 6/30/19			
41400	Materials & Supplies	1,500	1,008	1,728	1,500	-	0%
41450	HHW Disposal	100,000	73,606	147,213	140,000	40,000	40%
41500	Contracted Labor	-	-	-	-	-	-
41550	Material Purchases	-	-	-	-	-	-
41650	Wood Grinding	-	-	-	-	-	-
41700	Building Rental	-	-	-	-	-	-
41750	Leach Treatment	1,500	2,709	4,643	1,500	-	0%
41760	Tire Disposal	-	-	-	-	-	-
Subtotal		\$ 118,000	\$ 90,806	\$ 176,697	\$ 158,000	\$ 40,000	34%
43000	Disposal Contracts						
43100	MSW - Ivy Transfer	\$ -	\$ -	\$ -	\$ -	\$ -	-
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	-
51000	Ivy Remediation						
41350	Ground Water Systems Maintenance	\$ 6,500	\$ 24,099	\$ 41,313	\$ 6,500	\$ -	0%
41360	Gas Systems Maintenance	30,000	5,268	9,031	30,000	-	0%
51101	Settlement Agreement (Air & Groundwater)	13,000	7,520	12,892	6,000	(7,000)	-54%
51110	Compliance Ground Water Well Monitoring	65,000	44,587	76,435	65,000	-	0%
51200	Surface Water & Water Supply Monitoring	15,000	8,077	13,847	15,000	-	0%
51223	Cap Replacement and Repair	-	-	-	250,000	250,000	-
51224	O&M Cell 3 and P.Plant place holder	-	-	-	-	-	-
51300	Paint Pit Remed. - Gas & Vapor Extraction	10,000	-	-	-	(10,000)	-100%
51649	Full Scale EBR - Monitoring	30,000	39,401	67,545	30,000	-	0%
51651	Full Scale EBR - Injection & Reporting	-	-	-	-	-	-
51660	Greenhouse Gas Monitoring & Reporting	5,000	-	-	5,000	-	0%
51670	Cobalt MNA Monitoring	4,000	2,261	3,876	4,000	-	0%
41900	Closure Costs	-	-	-	-	-	-
51800	Contingency	20,000	-	-	20,000	-	0%
Subtotal		\$ 198,500	\$ 131,214	\$ 224,938	\$ 431,500	\$ 233,000	117%
81000	Equipment						
81100	Small Equipment (under \$5000)	\$ -	\$ -	\$ -	\$ -	\$ -	-
81200	Rental & Leases	-	-	-	-	-	-
81250	Heavy Equipment	-	-	-	-	-	-
	Depreciation	15,000	8,750	15,000	30,000	15,000	100%
Subtotal		\$ 15,000	\$ 8,750	\$ 15,000	\$ 30,000	\$ 15,000	100%
Total		\$ 578,614	\$ 374,739	\$ 660,429	\$ 865,373	\$ 286,759	50%

Current year budget and yearend estimates				Proposed
MOU PAYMENT BASIS:				
Base Expenses	\$ 578,614	\$ 374,739	\$ 660,429	\$ 865,373
Adminstrative allocation	195,127	94,500	205,154	205,209
	\$ 773,741	\$ 469,239	\$ 865,583	\$ 1,070,582
Use of Reserves	\$ 390,000	\$ -	\$ 390,000	\$ -
UVA FIXED PER AGREEMENT	79,982	79,982	79,982	79,982
COUNTY 64.5%	195,925	146,943	195,925	638,937
CITY 35.5%	107,834	80,876	107,835	351,663
	\$ 773,741	\$ 307,801	\$ 773,742	\$ 1,070,582
Reserves not used as planned	\$ -		\$ (91,841)	

**Rivanna Solid Waste Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail by Department
MSW TRANSFER OPERATIONS - IVY**

Expense Detail by Department			Current Year Activity				FY 2019 vs. FY 2020 Variance \$	FY 2019 vs. FY 2020 Variance %
ISW TRANSFER OPERATIONS - IVY		Adopted Budget FY 2018-2019	Seven Months Actual 1/31/2019	Projected Yearend 6/30/19	Proposed Budget FY 2019-2020			
Object Code	Line Item							
10000	Salaries and Benefits							
11000	Salaries	\$ 287,100	\$ 171,675	\$ 322,299	\$ 371,100	\$ 84,000	29.26%	
11010	Holiday & Overtime Pay	13,000	14,094	24,161	13,000	-	0%	
12010	FICA	22,958	14,091	24,157	29,384	6,426	28%	
12020	Health Insurance	79,050	29,193	50,046	105,600	26,550	34%	
12026	Employee Assistance Program	50	43	73	50	-	0%	
12030	Retirement	26,758	12,809	21,958	34,587	7,829	29%	
12040	Life Insurance	3,761	1,736	2,976	4,861	1,100	29%	
12050	Fitness Program	100	289	495	100	-	0%	
12060	Worker's Comp Insurance	22,500	16,360	21,813	30,500	8,000	36%	
	Subtotal	\$ 455,276	\$ 260,289	\$ 467,978	\$ 589,182	\$ 133,905	29%	
13000	Other Personnel Costs							
13100	Employee Dues & Licenses	\$ 120	\$ 312	\$ 534	\$ 120	\$ -	0%	
13150	Education & Training	1,000	550	943	1,000	-	0%	
13200	Travel & Lodging	200	122	209	200	-	0%	
13250	Uniforms	7,000	4,466	7,657	7,000	-	0%	
13325	Recruiting and Medical Testing	500	661	1,133	500	-	0%	
13350	Other	500	777	1,333	500	-	0%	
	Subtotal	\$ 9,320	\$ 6,888	\$ 11,809	\$ 9,320	\$ -	0%	
	Professional Services							
20100	Legal Fees	\$ -	\$ -	\$ -		\$ -		
20200	Financial & Admin. Services	-	-	-		-		
20300	Engineering Consultants	45,000	21,524	36,899	-	(45,000)		
	Subtotal	\$ 45,000	\$ 21,524	\$ 36,899	\$ -	\$ (45,000)		
	Other Services and Charges							
21100	General Liability/Property Insurance	\$ 8,300	\$ 6,367	\$ 6,367	\$ 15,000	\$ 6,700	81%	
21150	Advertising / Communication / Outreach	2,000	-	-	2,000	-	0%	
21250	Administrative Services RWSA	-	-	-	-	-		
21252	EMS Programs/Supplies	-	-	-	-	-		
21253	Safety Programs/Supplies	1,200	10,734	18,402	-	(1,200)	-100%	
21300	Authority Dues/Permits/Fees	9,000	6,169	10,575	9,000	-	0%	
21350	Laboratory Analysis	-	-	-	-	-		
21400	Utilities	11,000	4,336	7,433	11,000	-	0%	
21420	General Other Services	77,500	36,398	62,396	66,650	(10,850)	-14%	
21430	Governance & Strategic Support	-	-	-	-	-		
21450	Bad Debt Write-Offs	-	-	-	-	-		
	Subtotal	\$ 109,000	\$ 64,004	\$ 105,173	\$ 103,650	\$ (5,350)	-5%	
22000	Communication							
22100	Radio	\$ -	\$ 2,959	\$ 3,000	\$ -	\$ -		
22150	Telephone & Data Service	1,000	144	247	1,000	-	0%	
22200	Cell Phones & Pagers	1,000	453	777	1,000	-	0%	
	Subtotal	\$ 2,000	\$ 3,556	\$ 4,023	\$ 2,000	\$ -	0%	
31000	Information Technology							
31100	Computer Hardware	\$ 500	\$ -	\$ -	\$ 500	\$ -	0%	
31200	Maintenance & Support Services	2,000	1,201	2,058	2,000	-	0%	
31250	Software Purchases	-	-	-	-	-		
	Subtotal	\$ 2,500	\$ 1,201	\$ 2,058	\$ 2,500	\$ -	0%	
32000	Vehicles and Equipment Maint.							
32100	Vehicle Maintenance & Repair	\$ 3,000	\$ 7,935	\$ 13,603	\$ 3,000	\$ -	0%	
32150	Equipment Maint. & Repair	15,000	12,048	20,654	15,000	-	0%	
32200	Fuel	2,400	3,179	5,450	2,400	-	0%	
32300	Trailer Maint & Repairs	-	-	-	-	-		

**Rivanna Solid Waste Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail by Department
MSW TRANSFER OPERATIONS - IVY**

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	FY 2019 vs. FY 2020 Variance \$	FY 2019 vs. FY 2020 Variance %
			Seven Months Actual 1/31/2019	Projected Yearend 6/30/19			
	Subtotal	\$ 20,400	\$ 23,163	\$ 39,707	\$ 20,400	\$ -	0%
33000	Supplies						
33100	Office Supplies	\$ 1,700	\$ 3,775	\$ 6,472	\$ 1,700	\$ -	0%
33150	Subscriptions/Reference Material	-	-	-	-	-	-
33350	Postage	-	6	10	-	-	-
	Subtotal	\$ 1,700	\$ 3,781	\$ 6,481	\$ 1,700	\$ -	0%
41000	Operation & Maintenance						
41100	Facility Maintenance	\$ 30,000	\$ 37,983	\$ 65,114	\$ 30,000	\$ -	0%
41400	Materials & Supplies	3,000	6,882	11,797	3,000	-	0%
41450	HHW Disposal	-	-	-	-	-	-
41500	Contracted Labor	-	-	-	-	-	-
41550	Material Purchases	-	-	-	-	-	-
41650	Wood Grinding	-	-	-	-	-	-
41700	Building Rental	-	-	-	-	-	-
41750	Leach Treatment	-	-	-	-	-	-
41760	Tire Disposal	-	-	-	-	-	-
	Subtotal	\$ 33,000	\$ 44,865	\$ 76,911	\$ 33,000	\$ -	0%
43000	Disposal Contracts						
43100	MSW - Ivy Transfer	\$ 469,586	\$ 270,990	\$ 551,790	\$ 951,850	\$ 482,264	103%
	Subtotal	\$ 469,586	\$ 270,990	\$ 551,790	\$ 951,850	\$ 482,264	103%
51000	Ivy Remediation						
41350	Ground Water Systems Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -	-
41360	Gas Systems Maintenance	-	-	-	-	-	-
51101	Settlement Agreement (Air & Groundwater)	-	-	-	-	-	-
51110	Compliance Ground Water Well Monitoring	-	-	-	-	-	-
51200	Surface Water Monitoring	-	-	-	-	-	-
51223	Cap Replacement and Repair	-	-	-	-	-	-
51224	O&M Cell 3 and P.Plant place holder	-	-	-	-	-	-
51300	Paint Pit Remed. - Gas & Vapor Extraction	-	-	-	-	-	-
51649	Full Scale EBR - Monitoring	-	-	-	-	-	-
51651	Full Scale EBR - Injection & Reporting	-	-	-	-	-	-
51660	Greenhouse Gas Monitoring & Reporting	-	-	-	-	-	-
51670	Cobalt MNA Monitoring	-	-	-	-	-	-
41900	Closure Costs	3,500	-	-	3,500	-	0%
51800	Contingency	-	-	-	-	-	-
	Subtotal	\$ 3,500	\$ -	\$ -	\$ 3,500	\$ -	-
81000	Equipment						
81100	Small Equipment (under \$5000)	\$ 5,000	\$ 7,690	\$ 13,183	\$ 5,000	\$ -	-
81200	Rental & Leases	-	-	-	-	-	-
81250	Heavy Equipment	-	-	-	-	-	-
	Depreciation	30,000	17,500	30,000	50,000	20,000	67%
	Subtotal	\$ 35,000	\$ 25,190	\$ 43,183	\$ 55,000	\$ 20,000	57%
Total		\$ 1,186,282	\$ 725,450	\$ 1,346,012	\$ 1,772,102	\$ 585,819	49%

Rivanna Solid Waste Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail by Department
RECYCLING

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	FY 2019 vs. FY 2020 Variance \$	FY 2019 vs. FY 2020 Variance %
			Seven Months Actual 1/31/2019	Projected Yearend 6/30/19			
10000	Salaries and Benefits						
11000	Salaries	\$ 163,702	\$ 97,982	\$ 167,969	\$ 184,500	\$ 20,798	12.70%
11010	Holiday & Overtime Pay	11,000	8,044	13,790	11,000	-	0%
12010	FICA	13,365	8,043	13,787	14,956	1,591	12%
12020	Health Insurance	19,584	7,229	12,393	44,950	25,366	130%
12026	Employee Assistance Program	40	24	42	40	-	0%
12030	Retirement	11,529	7,311	12,533	13,467	1,938	17%
12040	Life Insurance	1,620	991	1,699	1,893	272	17%
12050	Fitness Program	50	165	282	50	-	0%
12060	Worker's Comp Insurance	7,100	5,464	7,285	15,200	8,100	114%
	Subtotal	\$ 227,990	\$ 135,252	\$ 229,780	\$ 286,056	\$ 58,066	25%
13000	Other Personnel Costs						
13100	Employee Dues & Licenses	\$ 100	\$ 178	\$ 305	\$ 100	\$ -	0%
13150	Education & Training	1,000	314	538	1,000	-	0%
13200	Travel & Lodging	100	70	119	100	-	0%
13250	Uniforms	4,000	2,739	4,695	4,000	-	0%
13325	Recruiting and Medical Testing	150	371	636	150	-	0%
13350	Other	200	542	929	200	-	0%
	Subtotal	\$ 5,550	\$ 4,213	\$ 7,222	\$ 5,550	\$ -	0%
	Professional Services						
20100	Legal Fees	\$ -	\$ -	\$ -	\$ -	\$ -	
20200	Financial & Admin. Services	-	-	-	-	-	
20300	Engineering Consultants	-	-	-	-	-	
	Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	
	Other Services and Charges						
21100	General Liability/Property Insurance	\$ 3,900	\$ 2,992	\$ 2,992	\$ 3,900	\$ -	0%
21150	Advertising / Communication / Outreach	800	823	1,411	800	-	
21250	Administrative Services RWSA	-	-	-	-	-	
21252	EMS Programs/Supplies	-	-	-	-	-	
21253	Safety Programs/Supplies	1,000	6,250	10,715	-	(1,000)	-100%
21300	Authority Dues/Permits/Fees	-	-	-	-	-	
21350	Laboratory Analysis	-	-	-	-	-	
21400	Utilities	12,200	7,903	13,548	12,200	-	0%
21420	General Other Services	8,000	5,080	8,709	8,000	-	0%
21430	Governance & Strategic Support	-	-	-	-	-	
21450	Bad Debt Write-Offs	-	-	-	-	-	
	Subtotal	\$ 25,900	\$ 23,048	\$ 37,374	\$ 24,900	\$ (1,000)	-4%
22000	Communication						
22100	Radio	\$ -	\$ -	\$ -	\$ -	\$ -	
22150	Telephone & Data Service	2,000	917	1,572	2,000	-	0%
22200	Cell Phones & Pagers	150	163	279	150	-	0%
	Subtotal	\$ 2,150	\$ 1,080	\$ 1,851	\$ 2,150	\$ -	0%
31000	Information Technology						
31100	Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ -	
31200	Maintenance & Support Services	-	-	-	-	-	
31250	Software Purchases	-	-	-	-	-	
	Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	
32000	Vehicles and Equipment Maint.						
32100	Vehicle Maintenance & Repair	\$ 30,000	\$ 2,670	\$ 4,577	\$ 30,000	\$ -	0%
32150	Equipment Maint. & Repair	15,000	9,202	15,776	15,000	-	0%
32200	Fuel	13,500	17,973	30,812	13,500	-	0%

**Rivanna Solid Waste Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail by Department
RECYCLING**

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	FY 2019 vs. FY 2020 Variance \$	FY 2019 vs. FY 2020 Variance %
			Seven Months Actual 1/31/2019	Projected Yearend 6/30/19			
32300	Trailer Maint & Repairs	7,500	3,224	5,527	7,500	-	0%
	<i>Subtotal</i>	\$ 66,000	\$ 33,070	\$ 56,692	\$ 66,000	\$ -	0%
33000	Supplies						
33100	Office Supplies	\$ 1,000	\$ 40	\$ 68	\$ 1,000	\$ -	0%
33150	Subscriptions/Reference Material	1,000	795	1,363	1,000	-	0%
33350	Postage	-	-	-	-	-	-
	<i>Subtotal</i>	\$ 2,000	\$ 835	\$ 1,431	\$ 2,000	\$ -	-
41000	Operation & Maintenance						
41100	Facility/Equipment Maintenance	\$ 15,000	\$ 3,843	\$ 6,589	\$ 15,000	\$ -	0%
41400	Materials & Supplies	4,000	5,578	9,562	4,000	-	0%
41450	HHW Disposal	-	-	-	-	-	-
41500	Contracted Labor	5,000	4,904	8,406	5,000	-	0%
41550	Material Purchases	45,000	9,955	35,000	45,000	-	0%
41650	Wood Grinding	-	-	-	-	-	-
41700	Building Rental	30,000	16,074	30,000	40,000	10,000	33%
41750	Leach Treatment	-	-	-	-	-	-
41760	Tire Disposal	-	-	-	-	-	-
	<i>Subtotal</i>	\$ 99,000	\$ 40,354	\$ 89,556	\$ 109,000	\$ 10,000	10%
43000	Disposal Contracts						
43100	MSW - Ivy Transfer	\$ -	\$ -	\$ -	\$ -	\$ -	-
	<i>Subtotal</i>	\$ -	\$ -	\$ -	\$ -	\$ -	-
51000	Ivy Remediation						
41350	Ground Water Systems Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -	-
41360	Gas Systems Maintenance	-	-	-	-	-	-
51101	Settlement Agreement (Air & Groundwater)	-	-	-	-	-	-
51110	Compliance Ground Water Well Monitoring	-	-	-	-	-	-
51200	Surface Water Monitoring	-	-	-	-	-	-
51223	Cap Replacement and Repair	-	-	-	-	-	-
51224	O&M Cell 3 and P.Plant place holder	-	-	-	-	-	-
51300	Paint Pit Remed. - Gas & Vapor Extraction	-	-	-	-	-	-
51649	Full Scale EBR - Monitoring	-	-	-	-	-	-
51651	Full Scale EBR - Injection & Reporting	-	-	-	-	-	-
51660	Greenhouse Gas Monitoring & Reporting	-	-	-	-	-	-
51670	Cobalt MNA Monitoring	-	-	-	-	-	-
41900	Closure Costs	-	-	-	-	-	-
51800	Contingency	-	-	-	-	-	-
	<i>Subtotal</i>	\$ -	\$ -	\$ -	\$ -	\$ -	-
81000	Equipment						
81100	Small Equipment (under \$5000)	\$ 1,000	\$ -	\$ -	\$ 1,000	\$ -	0%
81200	Rental & Leases	-	450	771	-	-	-
81250	Heavy Equipment	-	-	-	-	-	-
	Depreciation	22,900	13,358	22,900	35,000	12,100	53%
	<i>Subtotal</i>	\$ 23,900	\$ 13,808	\$ 23,671	\$ 36,000	\$ 12,100	51%
	Total	\$ 452,490	\$ 251,660	\$ 447,577	\$ 531,656	\$ 79,166	17.5%

**Rivanna Solid Waste Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail by Department
ADMINISTRATION**

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	FY 2019 vs. FY 2020 Variance \$	FY 2019 vs. FY 2020 Variance %
			Seven Months Actual 1/31/2019	Projected Yearend 6/30/19			
10000	Salaries and Benefits						
11000	Salaries	\$ 101,800	\$ 62,242	\$ 106,701	\$ 110,800	\$ 9,000	9%
11010	Holiday & Overtime Pay	-	-	-	-	-	-
12010	FICA	7,788	4,512	7,735	8,476	689	9%
12020	Health Insurance	12,240	8,544	14,646	12,500	260	2%
12026	Employee Assistance Program	25	9	16	25	-	-
12030	Retirement	9,488	5,781	9,910	10,327	839	-
12040	Life Insurance	1,334	764	1,310	1,451	118	-
12050	Fitness Program	100	-	-	100	-	-
12060	Worker's Comp Insurance	1,200	787	1,050	9,000	7,800	-
	Subtotal	\$ 133,974	\$ 82,640	\$ 141,368	\$ 152,679	\$ 18,705	14%
13000	Other Personnel Costs						
13100	Employee Dues & Licenses	\$ 500	\$ 446	\$ 765	\$ 500	\$ -	-
13150	Education & Training	1,000	5,444	6,000	1,000	-	-
13200	Travel & Lodging	1,000	-	-	1,000	-	-
13250	Uniforms	1,000	-	-	1,000	-	-
13325	Recruiting and Medical Testing	500	-	-	500	-	-
13350	Other	2,000	909	1,558	4,000	2,000	100%
	Subtotal	\$ 6,000	\$ 6,799	\$ 8,322	\$ 8,000	\$ 2,000	33%
	Professional Services						
20100	Legal Fees	\$ 15,000	\$ 6,729	\$ 11,535	\$ 15,000	\$ -	0%
20200	Financial & Admin. Services	15,000	420	15,000	15,000	-	0%
20300	Engineering Consultants	-	-	-	20,000	20,000	-
	Subtotal	\$ 30,000	\$ 7,149	\$ 26,535	\$ 50,000	\$ 20,000	67%
	Other Services and Charges						
21100	General Liability/Property Insurance	\$ 2,200	\$ 1,688	\$ 1,688	\$ 2,200	\$ -	0%
21150	Advertising / Communication / Outreach	1,500	1,942	3,329	1,500	-	0%
21250	Administrative Services RWSA	460,000	268,333	460,000	466,000	6,000	1%
21252	EMS Programs/Supplies	-	-	-	-	-	-
21253	Safety Programs/Supplies	1,500	-	1,500	10,000	8,500	567%
21300	Authority Dues/Permits/Fees	10,000	6,468	11,088	10,000	-	0%
21350	Laboratory Analysis	-	-	-	-	-	-
21400	Utilities	-	-	-	-	-	-
21420	General Other Services	6,000	4,026	6,901	6,000	-	-
21430	Governance & Strategic Support	20,000	1,238	5,000	5,000	(15,000)	-75%
21450	Bad Debt Write-Offs	5,000	-	-	5,000	-	0%
	Subtotal	\$ 506,200	\$ 283,695	\$ 489,506	\$ 505,700	\$ (500)	0%
	Communication						
22000	Radio	\$ -	\$ -	\$ -	\$ -	\$ -	-
22100	Telephone & Data Service	4,700	2,857	4,898	4,700	-	0%
22200	Cell Phones & Pagers	500	-	-	500	-	-
	Subtotal	\$ 5,200	\$ 2,857	\$ 4,898	\$ 5,200	\$ -	0%
	Information Technology						
31000	Computer Hardware	\$ 1,000	\$ -	\$ 1,000	\$ 1,000	\$ -	-
31100	Maintenance & Support Services	7,000	-	7,000	2,000	(5,000)	-71%
31250	Software Purchases	500	-	500	500	-	0%
	Subtotal	\$ 8,500	\$ -	\$ 8,500	\$ 3,500	\$ (5,000)	-59%
	Vehicles and Equipment Maint.						
32000	Vehicle Maintenance & Repair	\$ -	\$ -	\$ -	\$ -	\$ -	-
32100	Equipment Maint. & Repair	-	-	-	-	-	-
32150	Fuel	2,000	-	2,000	-	(2,000)	-
32200	Trailer Maint & Repairs	-	-	-	-	-	-
	Subtotal	\$ 2,000	\$ -	\$ 2,000	\$ -	\$ (2,000)	-
	Supplies						
33000	Office Supplies	\$ 1,500	\$ 686	\$ 1,176	\$ 1,500	\$ -	0%
33100	Subscriptions/Reference Material	-	-	-	-	-	-
33150	Postage	50	25	43	50	-	0%
	Subtotal	\$ 1,550	\$ 711	\$ 1,218	\$ 1,550	\$ -	0%
	Operation & Maintenance						
41000	Facility Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -	-
41400	Materials & Supplies	-	-	-	-	-	-

**Rivanna Solid Waste Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail by Department
ADMINISTRATION**

Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	FY 2019 vs. FY 2020 Variance \$	FY 2019 vs. FY 2020 Variance %
			Seven Months Actual 1/31/2019	Projected Yearend 6/30/19			
41450	HHW Disposal	-	-	-	-	-	
41500	Contracted Labor	-	-	-	-	-	
41550	Material Purchases	-	-	-	-	-	
41650	Wood Grinding	-	-	-	-	-	
41700	Building Rental	-	-	-	-	-	
41750	Leach Treatment	-	-	-	-	-	
41760	Tire Disposal	-	-	-	-	-	
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	
43000	Disposal Contracts						
43100	MSW - Ivy Transfer	\$ -	\$ -	\$ -	\$ -	\$ -	
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	
51000	Ivy Remediation						
41350	Ground Water Systems Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -	
41360	Gas Systems Maintenance	-	-	-	-	-	
51101	Settlement Agreement (Air & Groundwater)	-	-	-	-	-	
51110	Compliance Ground Water Well Monitoring	-	-	-	-	-	
51200	Surface Water Monitoring	-	-	-	-	-	
51223	Cap Replacement and Repair	-	-	-	-	-	
51224	O&M Cell 3 and P.Plant place holder	-	-	-	-	-	
51300	Paint Pit Remed. - Gas & Vapor Extraction	-	-	-	-	-	
51649	Full Scale EBR - Monitoring	-	-	-	-	-	
51651	Full Scale EBR - Injection & Reporting	-	-	-	-	-	
51660	Greenhouse Gas Monitoring & Reporting	-	-	-	-	-	
51670	Cobalt MNA Monitoring	-	-	-	-	-	
41900	Closure Costs	-	-	-	-	-	
51800	Contingency	-	-	-	-	-	
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	
81000	Equipment						
81100	Small Equipment (under \$5000)	\$ -		\$ -		\$ -	
81200	Rental & Leases	1,500		1,500	-	(1,500)	-100%
81250	Heavy Equipment	-		-	-	-	
	Depreciation	-		-	-	-	
Subtotal		\$ 1,500	\$ -	\$ 1,500	\$ -	\$ (1,500)	-100%
Total		\$ 694,924	\$ 383,850	\$ 683,848	\$ 726,629	\$ 31,705	5%

Rivanna Solid Waste Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail by Department
Department: Authority Wide Detail

Expense Detail by Department						FY 2019	FY 2019
Department: Authority Wide Detail						vs.	vs.
Object Code	Line Item	Adopted Budget FY 2018-2019	Current Year Activity		Proposed Budget FY 2019-2020	FY 2020 Variance \$	FY 2020 Variance %
			Seven Months Actual 1/31/2019	Projected Yearend 6/30/19			
10000	Salaries and Benefits						
11000	Salaries	\$ 789,432	\$ 473,932	\$ 840,455	\$ 910,850	\$ 121,418	15%
11010	Holiday & Overtime Pay	41,600	35,553	60,948	41,600	-	0%
12010	FICA	63,574	38,439	65,895	72,862	9,288	15%
12020	Health Insurance	161,554	63,730	109,251	214,850	53,296	33%
12026	Employee Assistance Program	175	111	191	175	-	0%
12030	Retirement	69,847	36,498	62,568	81,163	11,316	16%
12040	Life Insurance	9,818	4,927	8,447	11,408	1,591	16%
12050	Fitness Program	350	692	692	350	-	0%
12060	Worker's Comp Insurance	48,200	35,953	47,937	74,800	26,600	55%
	Subtotal	\$ 1,184,550	\$ 689,835	\$ 1,196,384	\$ 1,408,059	\$ 223,509	19%
13000	Other Personnel Costs						
13100	Employee Dues & Licenses	\$ 920	\$ 1,193	\$ 2,045	\$ 920	\$ -	0%
13150	Education & Training	4,500	6,763	8,261	4,500	-	0%
13200	Travel & Lodging	1,700	292	501	1,700	-	0%
13250	Uniforms	17,300	10,900	18,686	17,300	-	0%
13325	Recruiting and Medical Testing	1,850	1,573	2,697	1,850	-	0%
13350	Other	3,700	2,872	4,923	5,700	2,000	54%
	Subtotal	\$ 29,970	\$ 23,593	\$ 37,113	\$ 31,970	\$ 2,000	7%
	Professional Services						
20100	Legal Fees	\$ 15,000	\$ 6,729	\$ 11,535	\$ 15,000	\$ -	0%
20200	Financial & Admin. Services	15,000	420	15,000	15,000	-	0%
20300	Engineering Consultants	45,000	21,524	36,899	20,000	(25,000)	-33%
	Subtotal	\$ 75,000	\$ 28,673	\$ 63,434	\$ 50,000	\$ (25,000)	-33%
	Other Services and Charges						
21100	General Liability/Property Insurance	\$ 20,700	\$ 15,879	\$ 15,879	\$ 27,400	\$ 6,700	32%
21150	Advertising / Communication / Outreach	6,800	3,125	5,357	6,800	-	0%
21250	Administrative Services RWSA	460,000	268,333	460,000	466,000	6,000	1%
21252	EMS Programs/Supplies	-	-	-	-	-	-
21253	Safety Programs/Supplies	4,450	26,034	46,130	10,000	5,550	125%
21300	Authority Dues/Permits/Fees	23,600	15,453	26,491	23,600	-	0%
21350	Laboratory Analysis	-	-	-	-	-	-
21400	Utilities	33,200	16,304	27,950	33,200	-	0%
21420	General Other Services	116,500	62,505	107,151	105,650	(10,850)	-9%
21430	Governance & Strategic Support	20,000	1,238	5,000	5,000	(15,000)	-75%
21450	Bad Debt Write-Offs	5,000	-	-	5,000	-	0%
	Subtotal	\$ 690,250	\$ 408,871	\$ 693,957	\$ 682,650	\$ (7,600)	-1%
22000	Communication						
22100	Radio	\$ -	\$ 3,946	\$ 3,986	\$ -	\$ -	-
22150	Telephone & Data Service	9,600	4,576	7,845	9,600	-	0%
22200	Cell Phones & Pagers	2,550	1,034	1,773	2,550	-	0%
	Subtotal	\$ 12,150	\$ 9,556	\$ 13,604	\$ 12,150	\$ -	0%
31000	Information Technology						
31100	Computer Hardware	\$ 2,500	\$ -	\$ 1,000	\$ 2,500	\$ -	0%
31200	Maintenance & Support Services	16,000	1,601	9,745	5,275	(10,725)	-67%
31250	Software Purchases	500	-	500	500	-	0%
	Subtotal	\$ 19,000	\$ 1,601	\$ 11,245	\$ 8,275	\$ (10,725)	-56%
32000	Vehicles and Equipment Maint.						
32100	Vehicle Maintenance & Repair	\$ 45,000	\$ 15,681	\$ 26,882	\$ 45,000	\$ -	0%
32150	Equipment Maint. & Repair	75,000	29,500	63,770	65,000	(10,000)	-13%
32200	Fuel	26,400	32,280	57,337	24,400	(2,000)	-8%
32300	Trailer Maint & Repairs	11,500	3,718	6,374	11,500	-	0%
	Subtotal	\$ 157,900	\$ 81,179	\$ 154,363	\$ 145,900	\$ (12,000)	-8%
33000	Supplies						
33100	Office Supplies	\$ 5,200	\$ 5,577	\$ 9,560	\$ 5,200	\$ -	0%

Rivanna Solid Waste Authority
Fiscal Year 2019-2020 Proposed Budget
Expense Detail by Department
Department: Authority Wide Detail

Expense Detail by Department						FY 2019	FY 2019
Department: Authority Wide Detail						vs.	vs.
Object		Adopted	Current Year Activity		Proposed	FY 2020	FY 2020
Code	Line Item	Budget	Seven Months	Projected	Budget	Variance	Variance
		FY 2018-2019	Actual	Yearend	FY 2019-2020	\$	%
			1/31/2019	6/30/19			
33150	Subscriptions/Reference Material	1,000	795	1,363	1,000	-	0%
33350	Postage	50	32	55	52	2	4%
	Subtotal	\$ 6,250	\$ 6,404	\$ 10,978	\$ 6,252	\$ 2	0%
41000	Operation & Maintenance						
41100	Facility Maintenance	\$ 68,000	\$ 63,857	\$ 109,468	\$ 68,000	\$ -	0%
41400	Materials & Supplies	9,500	14,714	25,224	9,500	-	0%
41450	HHW Disposal	100,000	73,606	147,213	140,000	40,000	40%
41500	Contracted Labor	5,000	4,904	8,406	5,000	-	0%
41550	Material Purchases	45,000	9,955	35,000	45,000	-	0%
41650	Wood Grinding	40,000	-	50,000	50,000	10,000	25%
41700	Building Rental	30,000	16,074	30,000	40,000	10,000	33%
41750	Leach Treatment	1,500	2,709	4,643	1,500	-	0%
41760	Tire Disposal	8,000	5,175	8,872	8,000	-	0%
	Subtotal	\$ 307,000	\$ 190,994	\$ 418,826	\$ 367,000	\$ 60,000	20%
43000	Disposal Contracts						
43100	MSW - Ivy Transfer	\$ 469,586	\$ 270,990	\$ 551,790	\$ 951,850	\$ 482,264	103%
	Subtotal	\$ 469,586	\$ 270,990	\$ 551,790	\$ 951,850	\$ 482,264	103%
51000	Ivy Remediation						
41350	Ground Water Systems Maintenance	\$ 6,500	\$ 24,099	\$ 41,313	\$ 6,500	-	0%
41360	Gas Systems Maintenance	30,000	5,268	9,031	30,000	-	0%
51101	Settlement Agreement (Air & Groundwater)	13,000	7,520	12,892	6,000	(7,000)	-54%
51110	Compliance Ground Water Well Monitoring	65,000	44,587	76,435	65,000	-	0%
51200	Surface Water Monitoring	15,000	8,077	13,847	15,000	-	0%
51223	Cap Replacement and Repair	-	-	-	250,000	250,000	-
51224	O&M Cell 3 and P.Plant place holder	-	-	-	-	-	-
51300	Paint Pit Remed. - Gas & Vapor Extraction	10,000	-	-	-	(10,000)	-100%
51649	Full Scale EBR - Monitoring	30,000	39,401	67,545	30,000	-	0%
51651	Full Scale EBR - Injection & Reporting	-	-	-	-	-	-
51660	Greenhouse Gas Monitoring & Reporting	5,000	-	-	5,000	-	0%
51670	Cobalt MNA Monitoring	4,000	2,261	3,876	4,000	-	0%
41900	Closure Costs	3,500	-	-	3,500	-	0%
51800	Contingency	20,000	-	-	20,000	-	0%
	Subtotal	\$ 202,000	\$ 131,214	\$ 224,938	\$ 435,000	\$ 233,000	
81000	Equipment						
81100	Small Equipment (under \$5000)	\$ 7,500	\$ 8,230	\$ 14,108	\$ 7,500	\$ -	0%
81200	Rental & Leases	1,500	450	2,271	-	(1,500)	-100%
81250	Heavy Equipment	-	-	-	-	-	-
	Depreciation	73,900	43,108	73,900	135,000	61,100	83%
	Subtotal	\$ 82,900	\$ 51,788	\$ 90,280	\$ 142,500	\$ 59,600	72%
Total		\$ 3,236,556	\$ 1,894,699	\$ 3,466,913	\$ 4,241,606	\$ 1,005,050	31%

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Capital Program

Rivanna Solid Waste Authority

Fiscal Year 2019-2020

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Capital Program Expense Projections Detail

	FY 2019			FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2020-2024 TOTALS
	Adopted	Nov 2018 Actual-Expenses	Projected Expenses June						
Ivy Operations									
Replace Loader 908	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ 150,000
Replace Dozer			88,000	-	-	-	-	-	-
Allocated Equipment	-	-	11,237	-	8,000	75,000	7,500	37,500	128,000
SubTotal	-	-	99,237	-	158,000	75,000	7,500	37,500	278,000
Ivy Transfer Station									
New Transfer Station (includes Loader)	3,062,000	3,048,180	3,085,000	-	-	-	-	-	-
Fans for Transfer Station	-	-	-	-	30,000	-	-	-	30,000
New Recycling Center	-	-	-	350,000	-	-	-	-	350,000
Yard Jockey	-	-	-	-	-	-	-	100,000	100,000
Allocated Equipment	-	-	33,712	-	8,000	75,000	7,500	62,500	153,000
SubTotal	3,062,000	3,048,180	3,118,712	350,000	38,000	75,000	7,500	162,500	633,000
Ivy Environmental									
Pond impoundment improvements - Alternative 2	-	-	-	50,000	100,000	-	-	-	150,000
Flare installation	450,000	390,110	450,000	-	-	-	-	-	-
New Tanker #2, (replace old one 1950's vintage)	-	-	75,000	-	-	-	-	-	-
Grade Berms	-	-	-	15,000	-	-	-	-	15,000
Communication control SCADA (lift stations)	-	-	-	-	30,000	-	-	-	30,000
Regrade ditches for stormwater	-	-	-	100,000	-	-	-	-	100,000
Allocated Equipment	-	-	-	-	4,000	-	7,500	62,500	74,000
SubTotal	450,000	390,110	525,000	165,000	134,000	-	7,500	62,500	369,000
Recycling - McIntire / Paper Sort									
Replace OCC Compactor	40,000	-	-	-	-	-	50,000	-	50,000
Roll-off containers	15,000	36,022	36,022	-	-	-	-	-	-
Replace Trailers	-	-	-	-	30,000	30,000	30,000	30,000	120,000
Allocated Equipment	-	-	-	-	-	-	7,500	87,500	95,000
SubTotal	55,000	36,022	36,022	-	30,000	30,000	87,500	117,500	265,000
Total 5-Year CIP	\$ 3,567,000	\$ 3,474,312	\$ 3,778,971	\$ 515,000	\$ 360,000	\$ 180,000	\$ 110,000	\$ 380,000	\$ 1,545,000
			\$ 693,971						\$ 1,545,000
Allocated Equipment									
Admin. Vehicle	\$ 30,000	Canceled	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Replace Scales	-	-	-	-	-	150,000	-	-	150,000
Replace Vehicle - Replace Truck F250 Super Duty	-	-	44,949	-	-	-	-	-	-
Replace Vehicle - Ranger	-	-	-	-	-	-	30,000	-	30,000
Replace Vehicle - Explorer	-	-	-	-	20,000	-	-	-	20,000
Replace Roll-off truck	-	-	-	-	-	-	-	250,000	250,000
Roll-off containers - Ivy and McIntire split	-	-	-	-	-	-	-	-	-
Total Equipement to allocate	30,000	-	44,949	-	20,000	150,000	30,000	250,000	450,000
Allocation:									
Ivy Operations	-	-	11,237	-	8,000	75,000	7,500	37,500	128,000
Ivy Transfer Station	-	-	33,712	-	8,000	75,000	7,500	62,500	153,000
Ivy Environmental	-	-	-	-	4,000	-	7,500	62,500	74,000
Recycling	-	-	-	-	-	-	7,500	87,500	95,000
Total Cost Center Allocations	\$ -	\$ -	\$ 44,949	\$ -	\$ 20,000	\$ 150,000	\$ 30,000	\$ 250,000	\$ 450,000

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Appendices

Rivanna Solid Waste Authority

Fiscal Year 2019-2020

**Rivanna Solid Waste Authority
Fiscal Year 2019-2020**

General Definitions

MSW	Municipal Solid Waste, a.k.a. non-hazardous household and commercial refuse
Operating Revenue Categories:	
Ivy Tipping Fees	Fees for items received at Ivy, either per ton or per item
Transfer Station Tipping Fees	Fees per ton of MSW delivered to the Ivy transfer station for all wastes.
Material Sales - Ivy	Sales of mulch, wood chips, metal, and encore items
Material Sales - Recycle	Paper and box board sales and related hauling fees
Other Revenues	Grants, fees for services, and finance charges
Interest	Interest earned on operating and escrow funds
Operating Expenses:	
Ivy Operations	Operations and maintenance costs for all non-Transfer Station services (Yard/Veg waste, Tires, Clean fill, etc.)
Ivy Environmental	Ground water and gas remediation costs
MSW - Transfer	Personnel costs, maintenance, and contract costs for the Transfer Station
Recycling Operations	Operations and maintenance costs for McIntire and Paper Sort
Administration	Administrative overhead
Tipping Fees:	
Clean Fill Material	Mixed dirt, bricks, concrete, road materials
Grindable Vegetative Material	Wood waste suitable for chipping
Pallets	Pallets are either chipped or sold for reuse
Tires (Split or Whole)	Vehicle & equipment tires
White Goods (Freon & non-Freon)	Large appliances
IVY - MSW TS	MSW tipping fee per ton at Ivy Transfer

**Rivanna Solid Waste Authority
Fiscal Year 2019-2020**

Authority Staffing Plan		FY 2020 (FTE) FULL- TIME EQUIVALENT	FY 2019 Approved FTE	CHANGE FROM FY 2019	
Administrative	Operations Support Administrator	1.00	1.00	0.00	
Ivy Operations and Environmental	Manager	1.00	1.00	0.00	
	Heavy Equipment Operator/Attendant	1.00	1.00	0.00	
Allocated Positions between Ivy Operations, Ivy MSW and Recycling	<u>Ivy - MUC</u>				
	Assistant Manager	1.00	1.00	0.00	
	Operator/Attendant - Ivy	4.00	2.00	2.00	
	<u>Recycling</u>				
	<u>Part - Time</u>				
	Operator/Attendant - Paper Sort	0.00	0.25	(0.25)	
	Operator/Attendant - McIntire	0.50	0.50	0.00	
	Operator/Attendant - McIntire	0.00	0.50	(0.50)	
	Operator/Attendant - McIntire *	0.00	0.50	(0.50)	
	<u>Full - Time</u>				
	Operator/Attendant - Paper Sort	1.00	0.00	1.00	
	Operator/Attendant - McIntire	1.00	0.00	1.00	
	Scale Clerks	2.50	2.20	0.30	
	Driver/Equipment Operator	5.00	5.00	0.00	
Subtotal		18.00	14.95	3.05	20%

* - This PT position was added after the FY 2018 Budget was adopted to staff the additional hours of operations at McIntire.

Joint Administrative Staff	Executive Director	1.00	1.00	0.00	
	Communications Manager/Executive Coordinator	1.00	1.00	0.00	
	Director of Finance/Administration	1.00	1.00	0.00	
	Office/ HR Manager	1.00	1.00	0.00	
	Payroll & Benefits Coordinator	1.00	1.00	0.00	
	Accounts Receivable Technician	1.00	1.00	0.00	
	Accounts Payable Technician	1.00	1.00	0.00	
	Secretary - Reception	1.00	1.00	0.00	
	Administrative Office Technician	1.00	1.00	0.00	
	Accountant	1.00	1.00	0.00	
	Information Systems Manager	1.00	1.00	0.00	
	Information Systems Assistant	1.00	1.00	0.00	
	Scada Supervisor	1.00	1.00	0.00	
	Scada Technician	1.00	1.00	0.00	
	Software Analyst	1.00	1.00	0.00	
	GIS Coordinator (moved from Engineering)	1.00	1.00	0.00	
	Environmental/Safety Manager	1.00	1.00	0.00	
Subtotal		17.00	17.00	0.00	

FTE Split with RWSA

FY 2020
FY 2019

SWA FTEs

4.20
3.95

**Rivanna Solid Waste Authority
Fiscal Year 2019-2020**

Cost Allocation for Administrative Services Provided by RWSA

	<u>Base</u>	<u>Percentage</u>	<u>FY 2020 SWA Share</u>	<u>FY 2019 SWA Share</u>
Salaries Total Admin.				
SWA share	\$ 1,328,045	23%	\$ 305,450	\$ 307,853
Benefits Total Admin.				
SWA share	473,600	23%	108,928	108,065
Other Personnel Costs	37,900	23%	8,717	9,050
Professional Services	30,000	10%	3,000	2,500
General Contracted Services	5,000	20%	1,000	440
Building and Grounds	57,100	20%	11,420	7,728
Communications	18,500	15%	2,775	3,000
Technology	127,750	15%	19,163	15,150
Office Supplies and Postage	21,500	25%	5,375	5,500
Vehicles	10,000	5%	500	500
			<u>\$ 466,328</u>	<u>\$ 459,786</u>
Rounded to {Total shared costs to RWSA}			<u>\$ 466,000</u>	<u>\$ 460,000</u>

All other costs	260,629
Less Interest revenue	(42,600)
Administrative cost to allocate	<u>\$ 684,029</u>

Administration costs allocated to cost centers

Ivy Operations	\$ 171,007	25.00%
MOU Environmental	205,209	30.00%
Ivy Transfer/MSW	171,007	25.00%
Recycling	136,806	<u>20.00%</u>
	<u>\$ 684,029</u>	<u>100.00%</u>

Rivanna Solid Waste Authority
Material Analysis Report
Waste Tonnages
Fiscal Years 2015-2019

	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019 (Jul-Jan)	FY 2019 Projected
Ivy Waste Tonnage Categories						
Clean Fill Material	5,952	5,889	6,354	4,819	4,325	6,500
Grindable Vegetative Material	1,874	1,560	2,864	2,199	1,410	2,100
Compost				174	252	430
Pallets	79	55	72	77	39	65
Tires, Whole	133	169	87	58	57	97
White Goods (Non-Freon)	6	13	10	11	5	9
Total Non-MSW	8,044	7,686	9,387	7,338	6,088	9,201
MSW Tonnages						
Ivy:						
Ivy MSW TS	7,097	7,761	8,341	8,423	5,972	23,000
Total Ivy MSW	7,097	7,761	8,341	8,423	5,972	23,000
Total	15,141	15,447	17,728	15,761	12,060	32,201

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Rivanna Solid Waste Authority Historical Material Tonnage Report - Recycling Fiscal Years 2015-2020

Fiscal Year 2015	Fiscal Year 2016	Fiscal Year 2017	Fiscal Year 2018	Fiscal Year 2019 (Jul-Jan)
------------------------	------------------------	------------------------	------------------------	-------------------------------------

In U.S. Tons**Fiber Products**

Newspaper, Magazines, Catalogs	524	512	419	424	277
Cardboard (Corrugated)	278	459	812	763	496
Mixed Paper and Phone Books	212	214	156	186	159
File Stock (Office Paper)	125	125	122	111	71
Total Fiber Products	1,139	1,310	1,509	1,484	1,003

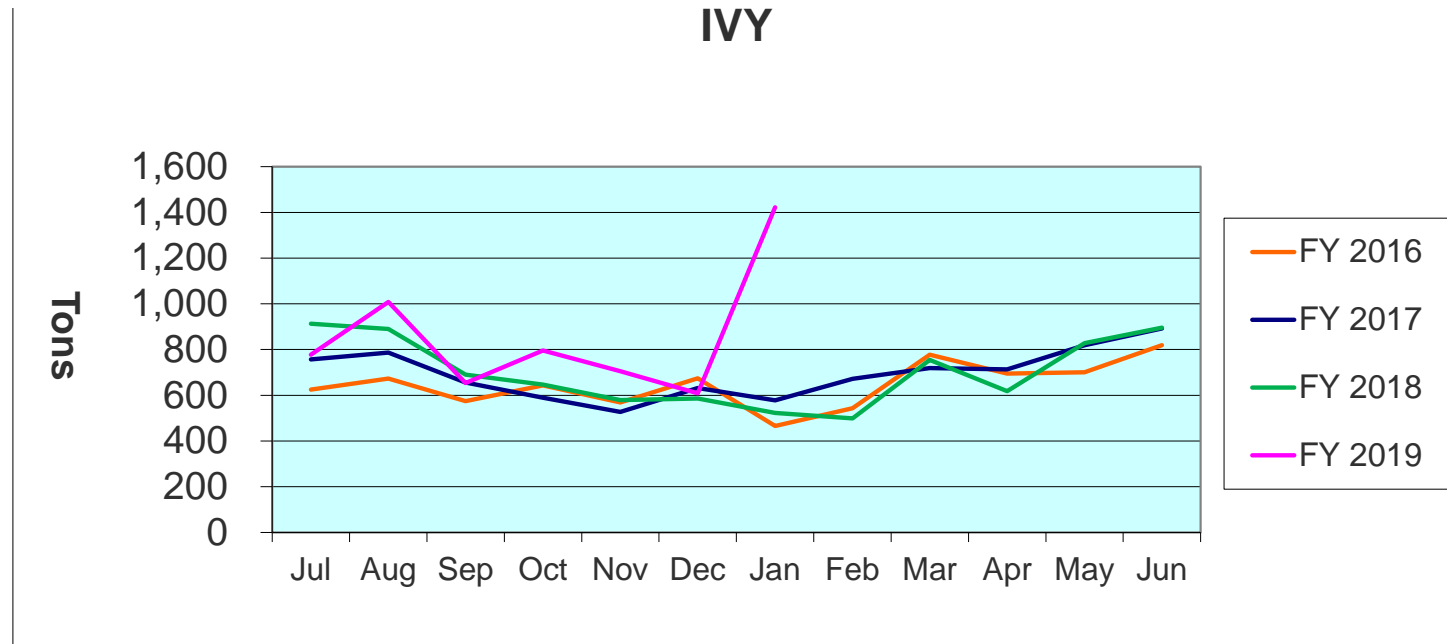
Other Products

Glass	219	191	252	252	212
Metal Cans	30	32	31	41	28
Plastic	95	82	86	103	60
Total Other Products	344	305	369	396	300
Total	1,483	1,615	1,878	1,880	1,303

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**Rivanna Solid Waste Authority
MSW Transfer Tonnages
FY 2016 - 2019**

Appendix 6



Rivanna Solid Waste Authority
Fiscal Year 2019-2020

Cash Reserve Balances

Operating Cash Accounts

January 2019 Ending Balance	<u>\$ 2,396,330</u>
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Capital Cash Reserves

January Ending Balance	\$ 1,225,686
Estimated additions	30,800
Estimated expenditures	(100,000)
Estimated Ending Balance	<u>\$ 1,156,486</u>

Total Discretionary Funds	<u>\$ 3,552,816</u>
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<u>Trust Fund with DEQ</u>	<u>\$ 123,741</u>
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Liabilities

Closure and Post Closure *	\$ 5,841,454
Estimated Accounts Payable	110,300
Estimated Accrued Leave	41,400
Estimated Accrued VERIP	113,500
Net OPEB Liability	36,000
Net Pension Liability	96,800

Total Liabilities	<u>\$ 6,239,454</u>
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* The City and County are currently using a local guarantee option as financial assurance to DEQ with the exception of the \$123,741 trust fund for the Transfer Station Closure.

**Rivanna Solid Waste Authority
Fiscal Year 2019-2020**

Local & MOU Support

	<u>Annual FY 2020</u>	<u>Annual FY 2019</u>	<u>Change</u>
<u>County</u>			
Local Support - Ivy	\$ 753,522	\$ 829,879	\$ (76,357)
Local Support - Recycling	327,293	231,472	95,821
MOU - Environmental	638,937	195,925	443,012
	\$ 1,719,752	\$ 1,257,276	\$ 462,476
<u>City</u>			
Local Support - Recycling	\$ 140,269	\$ 99,202	\$ 41,066
MOU - Environmental	351,663	107,835	243,828
	\$ 491,932	\$ 207,037	\$ 284,894