



CENTRAL VIRGINIA WASTE MANAGEMENT AUTHORITY
BOARD OF DIRECTORS MEETING AGENDA
AUGUST 16, 2019
2104 W. LABURNUM AVENUE
RICHMOND, VA

CALL TO ORDER

9:00 a.m.

CERTIFICATION OF QUORUM

**CHAIRMAN'S AGENDA
ITEM NO.**

Page(s)

1. Public Comment Period

2. Minutes of Regular Meeting of June 21, 2019

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3. Chairman's Report

4. Nominating Committee Report
Election of Treasurer for Fiscal Year 2019-2020

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5. Installation of Officers for Fiscal Year 2019-2020

**STAFF AGENDA
ITEM NO.**

6. 2019 Education and Outreach and Program Statistics Presentation

7. Consideration of **Resolution 20-01**: Approval of the 5 Year Update To The Central Virginia
Solid Waste Management Plan

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8. Residential Recycling Program

9. Municipal Solid Waste (MSW) Program

10. Operations and Program Statistics

11. Technical Advisory Committee (TAC) Report

12. Public Information

13. Financial Reports for July 2019

19-26

14. Administrative

OLD/NEW BUSINESS

ADJOURNMENT

Upcoming Meetings:

Technical Advisory Committee - Thursday, September 5, 2019 – 9:00 a.m.

Executive Committee Meeting – September 10, 2019 – 10:00a.m.

Board of Directors Meeting (Richmond) – Friday, September 20, 2019 – 9:00 a.m.

At any time during the meeting the Board may go into a closed session pursuant to Virginia Code Section 2.2-3712 for purposes of consulting with legal counsel regarding specific legal matters requiring the provision of legal advice, as authorized under Virginia Code Section 2.2-3711 (A) (7).

MINUTES OF THE REGULAR MEETING OF JUNE 21, 2019

Minutes of the June 21, 2019 CVWMA Board of Directors meeting are attached for review and consideration.

Recommended Action: Approval of minutes

Attachment

**CENTRAL VIRGINIA WASTE MANAGEMENT AUTHORITY
BOARD OF DIRECTORS MEETING MINUTES
JUNE 21, 2019
2104 WEST LABURNUM AVENUE
RICHMOND, VIRGINIA**

MEMBERS/ALTERNATES PRESENT

Voting:

Marcia Phillips (M-Chesterfield), Chairman
Scott A. Wyatt (M-Hanover), Vice Chairman
Robert L. Dunn (M-Chesterfield), Director
J. Allen Lane (M-Henrico), Past Chair
Jennifer Schontag (M-Ashland)
Ricky Hicks (M-Charles City)
Clay Bowles (A-Chesterfield)
William E. Henley (A-Colonial Heights)
Leigh Dunn (M-Goochland)
Randy Hardman (A-Hanover)
Bentley Chan (A-Henrico)
Jon Clary (A-Henrico)
Johnny Melis (A-Powhatan)
Darlene Jenkins (M-Richmond)
Serena Li (A-Richmond)

Non-Voting:

Staff:

Kimberly A. Hynes, Executive Director
Richard Nolan, Director of Operations
Nancy Drumheller, Public Affairs Manager
Kenna Shea, Accounting and Financial Manager
Stephanie Breaker, Sr. Customer Service Supervisor
Reginald D. Thompson, Operations Analyst
Mary Beth Mains, Part-time Administrative Assistant

MEMBERS/ALTERNATES NOT PRESENT

Mark Kukoski (M-Richmond), Treasurer
Patricia Paige (M-New Kent), Secretary
Lee Sloppy (A-Ashland)
Michelle Johnson (A-Charles City)
Scott Zaremba (M-Chesterfield)
Jeffrey Howard (A-Chesterfield)
Al Pace (A-Chesterfield)
Doug Smith (M-Colonial Heights)
Dwayne Jones (A-Goochland)
Stephen Chidsey (M-Hanover)
Michael Flagg (A-Hanover)
Marcia E. Kelley (M-Henrico)
Robert C. Whiteman (M-Henrico)
Chip England (A-Henrico)
Monique Robertson (M-Hopewell)
James H. Burrell (A-New Kent)
Tangela Innis (M-Petersburg)
William Riggelman (A-Petersburg)
Michael Purvis (M-Prince George)
Rod Compton (A-Prince George)
Miles Jones (M-Richmond)

Guests:

With a quorum in attendance Chairman M. Phillips (M-Chesterfield) called the meeting to order at 9:00 a.m.

CHAIRMAN'S AGENDA

Item No. 1: Public Comment Period

Chairman Phillips (M-Chesterfield) opened the floor for public comment. Without any requests to address the Board, she closed the public comment period.

Item No. 2: Minutes of the Regular Meeting of April 19, 2019 and May 17, 2019

Chairman Phillips (M-Chesterfield) opened the floor for a motion to approve the minutes of the regular meeting of April 19, 2019, as resubmitted. A motion was made by Mr. R. Dunn (M-Chesterfield), Director, seconded by Mr. J. Clary (A-Henrico) and carried that the minutes of the April 19, 2019 Central Virginia Waste Management Authority (CVWMA) Board of Directors meeting be approved as resubmitted.

Chairman Phillips (M-Chesterfield) opened the floor for a motion to approve the minutes of the regular meeting of May 17, 2019, as submitted. A motion was made by Mr. R. Dunn (M-Chesterfield), Director, seconded by Mr. J. Clary (A-Henrico) and carried that the minutes of the May 17, 2019 Central Virginia Waste Management Authority (CVWMA) Board of Directors meeting be approved as resubmitted.

Item No. 3: Chairman's Report

Chairman Phillips noted it speaks very well for the organization that there are three employees receiving recommendations for twenty years of service. Chairman Phillips turned the floor over to Mrs. K. Hynes, Executive Director, to recognize and thank three staff members for twenty years of service.

Resolution of Appreciation for Stephanie Breaker

Ms. Stephanie Breaker, Senior Customer Service Supervisor, was awarded a Resolution of Appreciation for her 20 years of service with CVWMA. Mrs. K. Hynes read the resolution recognizing, thanking, and commending Ms. Breaker for her twenty years of service. A motion was made by Mr. R. Dunn (M-Chesterfield), seconded by Mr. J. Clary (A-Henrico) and carried recognizing, thanking and commending Ms. Breaker on her 20 years of service.

Chairman Phillips congratulated Ms. Breaker and thanked her for her service and stated she appreciated her work for the Authority. Mrs. K. Hynes echoed Chairman Phillips's comments and let Ms. Breaker know that she is appreciated and thanked her for being consistent and reliable. Mrs. Hynes noted that Stephanie has been a diplomatic leader for the CVWMA and although she and Mrs. Hynes may not talk or see each other every day, Mrs. Hynes knows that things are running smoothly in Customer Service and with her team.

Resolution of Appreciation for Charles "Dick" Howe

Mr. Charles "Dick" Howe, Operations Technician, was awarded a Resolution of Appreciation for his 20 years of service with CVWMA. Mrs. K. Hynes, read the resolution recognizing, thanking, and commending Mr. Howe for his twenty years of service.

A motion was made by Mr. J. Clary (A-Henrico), seconded by Mr. R. Dunn (M-Chesterfield) and carried recognizing, thanking and commending Mr. Howe on his twenty years of service. Mrs. Hynes noted that while many may not know Mr. Howe, she affirmed that he is a dedicated, hardworking employee who works

behind the scenes to keep things running smoothly. Mrs. Hynes noted that when things are stressful, Mr. Howe keeps us laughing. He is well respected and much appreciated.

Resolution of Appreciation for Barbara Trimmer

Ms. Barbara Trimmer, Accounting Technician, was awarded a Resolution of Appreciation for her twenty years of service with CVWMA. Ms. K. Hynes, read the resolution recognizing, thanking, and commending Ms. Trimmer for her twenty years of service.

A motion was made by Mr. R. Dunn (M-Chesterfield), seconded by Ms. D. Jenkins (M-Richmond) and carried recognizing, thanking and commending Ms. Trimmer on her twenty years of service. Mrs. Hynes gave a special thanks to Ms. Trimmer indicating she actually applied for the Customer Service Representative job but was determined a better fit for an Accounting position. Mrs. Hynes noted that she has retired from CVWMA a few times but has come back during our times of need. Mrs. Hynes noted she is dependable and has been invaluable to her and the staff. Ms. Trimmer stated that she is a true example of being recycled.

Continuing, Chairman Phillips introduced and welcomed the newest Board Member, Serena Li (A-Richmond), alternate for Mr. M. Kukoski (M-Richmond).

Item No. 4: Nominating Committee Report

Mr. J. Lane (M-Henrico), past Chairman and Nominating Committee Chair, introduced the recommended slate of officers for fiscal year 2019-2020: Mrs. Marcia Phillips (M-Chesterfield), Chairman; Mrs. Patricia Paige (M-New Kent), Vice Chairman; Mr. Miles Jones (M-Richmond), Secretary; Mr. Robert Dunn (M-Chesterfield), Director. Mr. Lane noted the Treasurer position is undetermined currently but there have been talks with a prospective candidate.

Chairman Phillips opened the floor for nominations from the floor. With no nominations from the floor, Mr. S. Wyatt (M-Hanover) motioned to close nominations, Mr. J. Clary (A-Henrico) seconded and it was carried to close nominations.

Chairman Phillips asked if there was a motion to approve the slate of officers as presented by the nominating committee and it was moved by Mr. S. Wyatt (M-Hanover), seconded by Mr. J. Melis (A-Powhatan) and the slate of officers was approved as presented.

Chairman Phillips thanked the Nominating Committee and reminded the Board the new term of office begins July 1.

Item No. 5: Strategic Plan – 2 Year Update

Mrs. K. Hynes presented the bi-annual Strategic Plan Implementation report. She went over the Strategic Plan dashboard which included the four goals: Protection of Environmental Resources, Customer Focus, Educational Resources and Financial Stewardship Through a Well-run Organization. She provided details on each goal, objective and initiative and the progress being made toward each. Mrs. K. Hynes mentioned that each goal defines which committee has the lead to ensure that it happens.

Chairman Phillips noted she has been involved with a number of Boards and has found the Strategic Plan to be an arduous process at best. She noted that typically, between years 1 and 2, the process goes by the wayside. She commended the staff and noted it is nice to see it when it works.

STAFF AGENDA

Item No. 6: Residential Recycling Program

Mr. R. Nolan, CVWMA Director of Operations, reported the total tonnage of recyclables collected in the month of May in the residential recycling program was 3,048 tons, 204 tons more than last May. Fiscal year to date tonnages totaled 33,508 tons. For the same period last fiscal year, 33,983 tons were collected equating to a difference of 475 tons less year over year. Mr. Nolan noted that part of the decrease is due to the aggressive Oops! efforts in Petersburg. Mr. Nolan added that there was a total of 554 misses for the month of May compared to 534 in April.

Mrs. K. Hynes reminded the Board that staff is continuing discussions about the future of curbside recycling. Mrs. Hynes noted that the dialogue continues with the solid waste professionals and chief administrative officers and supervisors to talk about the increasing costs due to market conditions. Hiring a consultant is one suggestion that could help CVWMA review the existing solid waste plan and the existing programs regionally and individually. Mrs. Hynes noted we enjoy the regional programs but recognize the differences within the localities and she stated staff would like to see what suggestions others would have to help craft the next procurement. Staff will be working on a procurement for Professional Consulting Services. No monies are appropriated currently and any contract awards and appropriations would be brought before the Board. She reminded the Board there are 4 years left on the current residential recycling contract.

Mrs. Hynes shared the press release stating that CVWMA purchased 2,000 bins made by UBQ Materials. The bins are made of converted MSW material that is then made into a plastic type material. It looks and feels like plastic but is not plastic. Mrs. Hynes noted UBQ has a U.S. patent for the process, and this will be an alternative to disposal in landfills. The first request was to purchase and test out the bins. UBQ plans to do a press event at the Capital in July or August and the Board will be invited. Mr. J. Clary (A-Henrico) stated he had several people reach out to him after they saw the article, asking him about UBQ and their proprietary process. Mrs. Hynes noted the blurb was picked up by USA Today and other national papers. Mrs. Hynes noted UBQ is closing the loop by turning waste into garbage cans. Mrs. Hynes noted that UBQ is using this material in other products like pipes, siding and roofing. She noted it is a durable product and they have tested the recyclability of it and it can be put right back into the process. Chairman Phillips noted it is a multi-use product.

Item No. 7: Municipal Solid Waste (MSW) Program

In the month of May Mr. R. Thompson, CVWMA Operations Analyst, reported 6 misses were recorded in Ashland and 11 misses in the Chesterfield tax relief program for County Waste; 95 misses were recorded in Colonial Heights, 164 misses in Hopewell; and 250 misses in Petersburg by CFS. Mr. Thompson noted that staff is working with CFS on a plan to correct and address the issue of increased misses. Mr. Thompson noted that CFS begins their contract July 1st in Ashland and a part of CFS's contract includes a requirement to purchase 2 new trucks.

Item No. 8: Operations and Program Statistics

Mr. Nolan updated the Board on upcoming events: Chesterfield Paper Shredding and Electronic Recycling Event - Chesterfield County Fairgrounds, July 13 at 9:00 am – 12:00 pm; City of Richmond Recycling Event – Location to be Determined, September 14 at 10:00 am – 2:00 pm; Henrico County e-cycling Event - Henrico County – October 5; Hanover County e-cycling Event - November 16.

Mr. Nolan stated he spoke at the Maryland Recycling Network and SWANA meeting in Baltimore, Maryland and his presentation included information on CVWMA's Customer Service System and the Oops! Sticker campaign.

Mr. Nolan noted the commodity markets for fiber fell again. June 2019 commodity pricing for Mixed Paper is still at \$0; Old Corrugated Cardboard (OCC) went from \$40 to \$35, and newsprint has stayed at \$25.

The City of Hopewell is changing providers for their Curbside Recycling Program, from County Waste to TFC on July 1st. The routes are settled and postcards have been mailed to customers who will have their collection day changed. TFC is also taking over for FEL and Roll Off recycling programs.

Universal Environmental Services is the new CVWMA waste oil contractor. They have started picking up waste oil in Chesterfield and Hanover County already. The new contract officially begins until July 1st.

Item No. 9: Technical Advisory Committee

Mr. Nolan stated the TAC met on June 13th and the topics of discussion included contracts and the 5 year update to the Solid Waste Management Plan.

The Solid Waste Management Plan is due to DEQ in August and Mr. Nolan noted the first 4 sections have been finalized. The TAC will be getting a draft for comment soon. Once TAC finalizes and approves, the Board will consider the updates at the August meeting.

Mr. Nolan stated that the TAC has drafted a letter collectively in response to the letter from County Waste asking the jurisdictions if they would like to reserve capacity in the new Green Ridge landfill in Cumberland County. The letter will be sent to TAC Members from each jurisdiction to get comments before submitting to Green Ridge Recycling by July 1.

The next TAC meeting was moved to July 11th.

Item No. 10: Public Information

Mrs. N. Drumheller, Public Affairs Manager, reminded the Board that CVWMA's Recycling Education and Outreach Specialist left in May. Staff responded to 32 requests for the month, of which 21 were for presentations, 6 for educational materials, 4 for local events and 1 media event. Mrs. K. Hynes presented with TFC and Recycling Partnership during the Virginia Recycling Association Annual Conference. The event focused on changing behaviors to increase and improve recycling. Mrs. Hynes was invited as the guest speaker at the Meadowbrook Estates Civic Association.

Staff estimates impacting over 2,400 people and oversaw the distribution of 7,880 educational materials in the month of May. In addition, staff added Memorial Day Holiday and delays to the collections messaging ongoing in the phone queue, website and social media.

Oops!

Mrs. N. Drumheller shared that WTVR CBS is a recipient of the Best Commercial by the Virginia Association of Broadcasters for our Oops! advertisement. They will receive the award on June 21st. She thanked members of the Curbside Education Advisory Committee for recommending using humor to message about recycling contamination. We are fortunate to have such a creative media partner as WTVR CBS 6. They continually raise the bar with their creative genius, Mrs. Drumheller stated.

CVWMA Website, Social Media and Collection Day Email Reminder

Mrs. Drumheller stated social media is ongoing and is as important and impactful as programs and events. CVWMA has over 3,000 Pinterest viewers. Each month, Staff shares collected data that reflects the activity by users on our website and social media platforms. Statistical data for month of May shows that 17,197 unique visitors made 34,106 visits to over 77,143 pages. The average visit time was 3 minutes for all pages. Pinterest analytics report 3,788 average impressions for the month of May. CVWMA had 411 new subscribers sign up for the email reminder in the month of May with the total subscribers now at 34,243 as of May 31, 2019.

Staff continues to post and tweet about “wish recycling” contamination, outreach events, locality events and collection day updates. The top “wish recycling” contamination focus this month has been shredded paper and aluminum foil. Mrs. Drumheller noted staff is having a lot of dialogue and teachable moments with the public. Mrs. Drumheller suggested Richmond SPCA and Animal Control would love to have the shredded paper or it can be composted.

Chairman Phillips noted that previously, to reuse aluminum foil, you would clean it and reuse it, not recycle it. Mrs. Drumheller agreed and noted there are many teachable moments about what happens at the Material Recovery Facility (MRF). Opening balled up aluminum foil and plastic bags does happen in the process.

CVWMA June Waste Reduction News

The monthly electronic newsletter was sent out Mrs. Drumheller stated, and articles of interest were the Clean the Bay Day; water quality issues, litter prevention; local farmers markets; the Goochland special collection event; and how to recycle right. The newsletter was distributed to 1,371 email subscribers.

Residential Recycling Changes in Hopewell

Mrs. Drumheller reminded the Board TFC starts as collection service provider in Hopewell on July 1 and postcards with collection day changes were mailed on June 10th. Staff will be at the Hopewell Library on July 2 to help customers with the changes.

Hanover County Adding Falling Creek Estates Subdivision

Hanover County Falling Creek Estates has been added to the Curbside Recycling program effective July 1.

Summer Camps

The Young Scientists have been contracted to provide summer camp outreach programs. Staff has worked closely with them on scheduling camp programs during the months of June, July and early August.

Item No. 11: Financial Reports for April 2019

Mrs. K. Shea, CVWMA Accounting and Financial Manager, relayed that the financial activity for May is consistent with previous months and the Authority continues to remain within total budget in all funds as of May 31, 2019. CVWMA has a combined Net Income of \$17,633 year to date with one month left in the fiscal year. The accounts receivable schedule reflects the details of the amounts due to the Authority as of the end of the month. Mrs. Shea thanked the jurisdictions with prior overdue balances for bringing their accounts current.

Chairman M. Phillips (M-Chesterfield), opened the floor for a motion to accept the Financial Reports for May 2019. A motion was made by Mr. R. Dunn (M-Chesterfield), seconded by Mr. J. Clary (A-Henrico) and carried that the Financial Reports for May 31, 2019 be approved and filed as submitted.

Item No. 12: Administrative

Mrs. Hynes stated that the annual audit will begin in July and the audited financial report will be presented at the September meeting.

Mrs. Hynes stated she will be participating in the first Recycling Partnership's Recycling Leadership Summit June 24th through 26th. This is Recycling Partnership's first summit and they have invited 50 cities from across the country to participate, Mrs. Hynes stated. She will be attending with Torrence Robinson of the City of Richmond.

On June 28th DEQ will be talking with CVWMA Board Members, TAC, and industry partners about the future of curbside and drop off recycling from the states perspective. DEQ sent out a survey in the fall asking for challenges to recycling and suggestions for more state involvement. DEQ is visiting regions of the state to follow up on that survey. The meeting is scheduled for June 28th at 10:00 am, in the Large Conference Room at 2104 W. Laburnum Avenue. Mrs. Hynes invited all to come and provide input.

Mrs. Hynes reminded the Board of the upcoming meetings noting that the July Board Meeting is cancelled. The Solid Waste Management Plan will be discussed at the next TAC meeting and Mrs. Hynes invited all to attend.

Mrs. Hynes asked the Board to keep the victims of the Virginia Beach shooting in their thoughts and prayers. One of the victims was Chris Rapp who served as an alternate on the CVWMA Board when he was the Powhatan Utilities Director. The Powhatan Board of Supervisors will present a resolution commending Chris Rapp at their June 24th meeting Mr. J. Melis (A-Powhatan) shared.

Mr. W. Henley (A-Colonial Heights) asked if the CFS and DEQ hearing took place on June 19th and if there was any feedback. Mrs. Hynes stated that she was originally subpoenaed to talk about how the landfill will affect the regional Solid Waste Management Plan; however, she did not have to attend. Mrs. Hynes noted that Mr. J. Clary (A-Henrico) attended both days of the hearing. Mr. Clary (A-Henrico) noted that it was the first time in 40 years that the DEQ has taken this approach. The hearing officer from Charlottesville is allowed 90 days to review before he sends his recommendations to Mr. Paylor, the DEQ Director, who would then have 30 days to respond. Mr. Clary (A-Henrico) stated DEQ laid out the regulations and the alleged violations. Continuing Mr. Clary (A-Henrico) stated CFS stated their case which included events and factors contributing to the violations. Mr. Henley (A-Colonial Heights) stated he was looking for a timeframe and it sounds like it will be 3 to 4 months before hearing anything. Mr. J. Melis (A-Powhatan) asked if the Attorney General was still pursuing their suit. Mrs. Hynes stated affirmatively. Mr. Clary (A-Henrico) stated that counsel for the Attorney General was at the same table as DEQ's counsel. The Attorney General's action is a "stay in place" pending the result of the DEQ hearing.

Mrs. Hynes shared the stress relievers and pens that were compliments of DRC Emergency Services.

Old/New Business

Chairman Phillips asked if there was any old or new business to come before the Board. With no further business to come before the Board, Chairman Phillips opened the floor for a motion to adjourn the CVWMA Board of Directors meeting at 10:20 a.m. The motion was made by Mr. R. Dunn (M- Chesterfield), seconded by Mr. J. Clary (A-Henrico) and carried that the June 21, 2019 Board of Directors' meeting be adjourned.



CERTIFICATE

I, Marcia Phillips, Chairman of the CVWMA, certify that the foregoing minutes are a true and correct copy of the minutes of the June 21, 2019, regular meeting of the Central Virginia Waste Management Authority (CVWMA) Board of Directors. These minutes were adopted at a CVWMA Board meeting held at 9:00 a.m., August 16, 2019. Given under my hand and seal of the CVWMA this 16th day of August 2019.

Marcia Phillips, Chairman

NOMINATING COMMITTEE REPORT

Election of Treasurer for Fiscal Year 2019-2020

The Nominating Committee consisting of Mr. J. Allen Lane (M-Henrico), Chairman, Mr. L. Sloppy (A-Ashland) and Mr. W. Henley (A-Colonial Heights) nominates the following for the position of Treasurer for the ensuing fiscal year:

Treasurer Michael Purvis (M-Prince George)

The term of Treasurer will take effect immediately upon election through the end of the fiscal year June 30, 2020.

CONSIDERATION OF RESOLUTION 20-01: APPROVAL OF THE 5 YEAR UPDATE TO THE CENTRAL VIRGINIA SOLID WASTE MANAGEMENT PLAN

The Central Virginia Solid Waste Management Plan (SWMP or Plan) was prepared for Central Virginia Waste Management Authority (CVWMA) and its 13 local government members within the Authority’s service area in accordance with the requirements and provisions of Regulations for Solid Waste Planning (9VA20-130-10 et seq. Amendment 1). The original Plan was approved by the CVWMA, the Richmond Regional Planning District Commission and the Crater Planning District Commission for the planning period 2004-2024.

The Virginia Waste Regulations require solid waste planning units to update their solid waste management plans every 5 years with projections for the next 20-year period. The CVWMA Technical Advisory Committee and staff has worked collaboratively with CVWMA staff, Executive Committee, Board Members and Member localities on the evaluation of the solid waste and recycling system, recycling and disposal needs and other revisions to the Plan as deemed necessary. Included herein is a summary of the evaluation, updates, revisions and changes proposed for the SWMP over the period 2019-2039.

Summary:

Waste Generation: The CVWMA has evaluated and made projections of waste generation over the 20-year planning period based on projected population in the region (obtained from the Weldon Cooper Center for Public Service and member localities) and EPA’s *Municipal Solid Waste in the United States 2015 Facts and Figures*. EPA estimates nationwide average waste generation to be 4.48 pounds per person per day. Waste generated in the region is expected to average a little over 1 million tons per year (about 22 million tons over the 20 year period. Based on the region’s current recycling rate, waste projected for disposal is about 550,000 tons per year, or 11 million tons over 20 years.

Capacity: Between the 4 major active MSW landfills in the region (Old Dominion, Charles City, Shoosmith and Tri-City), there is 41.5 million tons of capacity remaining as of January 1, 2019, per DEQ’s 2018 Solid Waste Report. This remaining capacity increased since the 2014 update the Plan due to the Old Dominion Landfill’s last permit modification which included an expansion. The five sanitary landfills immediately outside the region in Amelia, Sussex, King & Queen, King George and Middle Peninsula report a remaining capacity of 99.6 million tons. In addition, County Waste has obtained approval from Cumberland County to begin development of a new landfill in Cumberland County. It is not currently permitted by the VA DEQ and the plans for opening are uncertain at this point, but it could provide capacity in the future. Also, Tri-City Landfill acquired the Lunenburg County Landfill and has started to accept a small amount of waste from the region.

There are 5 permitted Construction Demolition Debris Landfills in the region which provide additional capacity for construction and land clearing material of another 23 million tons.

	Remaining Capacity (tons)
Sanitary LF within CVWMA Region	41,500,000
CDD LF within CVWMA Region	23,700,000
Sanitary LF outside CVWMA	99,600,000

Region	
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One important thing to note when reviewing capacity is that Virginia is a large importer of solid waste from other states. Twenty-five percent of the solid waste managed through landfills in the State comes from out of state. In addition, most, if not all, of the landfills in the region are permitted to accept waste from outside of the region including other areas in Virginia. At the current rate of waste disposed of in landfills in and immediately outside the CVWMA region from out of state, out of region and in region, coupled with anticipated waste reduction efforts and increased recycling, disposal capacity is deemed sufficient for the region's waste disposal needs over the next 20 years.

In addition, 20 million tons of remaining noted above includes the Shoosmith landfill. This landfill has an approved VA DEQ permit but does not have local County approval to operate as of 2019. There is pending litigation regarding this capacity and this could have a significant impact to remaining capacity within the CVWMA Region.

Locality Needs Identified: Part of the update and evaluation of solid waste needs includes input from member localities. CVWMA has received as of July 8, 2019, 11 of the 13 surveys sent to Chief Administrative Officers of each jurisdiction. Localities were to identify operational and capacity needs specific to the locality based on anticipated growth, economic development or projected industry changes. A brief listing of needs is included herein and will be included in Section 6 of the Plan. In addition, the complete survey responses will be included as an appendix to the Plan.

Major Updates/Revisions to the Plan and Notes:

Below is a summary of significant changes/revisions to the Plan:

- Update Population, growth projections and Waste Generation Rates and Tables (see attached)
- Section 4 – Existing Solid Waste Management System
- Updated Table 2 for remaining capacity as of 1/1/19 (see attached)
- Updated write up of each landfill which follows the Table and numbered corresponding to landfill – combined Richmond and Crater subareas.
- Removed Springfield Road Landfill from Table 2 as officially closed in 2015
- Added Disposal and Recycling Service of Lunenburg LF to Table 2
- Updated collection of waste/recycling and litter prevention activities in each locality
- Locality Input – surveyed each jurisdiction and will include a summary of each in Section 6 Solid Waste Needs Assessment (attached) and will also add an Appendix to include the complete survey responses
- Appendix to be added to include survey responses from all localities
- Appendix – include information on all amendments to the Plan since development in 2004
- Amendment Process – update to major/minor amendment in accordance with the new regulation.

Next Steps:

- Approval by the Board of recommended revisions as outlined herein – August 16, 2019
- Review by the TAC the detailed Plan Document
- Submit to DEQ for review and approval – by August 20, 2019

Attachments

- Waste Generation Tables
- Table 2 Active Sanitary and CDD Landfills

-Locality Input

Waste Generation Table – 2020

Locality	2020	Paper				Rubber & Leather				
	MSW (tons)	& Paperboard	Glass	Metals	Plastics	Textile	Wood	Food Scraps	Yard Trimmings	Other
Charles City County	6,039	1,564	266	550	791	562	374	912	797	223
Chesterfield County	289,026	74,858	12,717	26,301	37,862	26,879	17,920	43,643	38,151	10,694
Goochland County	18,604	4,818	819	1,693	2,437	1,730	1,153	2,809	2,456	688
Hanover County	88,069	22,810	3,875	8,014	11,537	8,190	5,460	13,298	11,625	3,259
Henrico County	285,886	74,045	12,579	26,016	37,451	26,587	17,725	43,169	37,737	10,578
New Kent County	18,367	4,757	808	1,671	2,406	1,708	1,139	2,773	2,424	680
Powhatan County	23,508	6,088	1,034	2,139	3,080	2,186	1,457	3,550	3,103	870
Richmond City	188,637	48,857	8,300	17,166	24,711	17,543	11,695	28,484	24,900	6,980
Prince George County	31,379	8,127	1,381	2,855	4,111	2,918	1,945	4,738	4,142	1,161
Colonial Heights City	13,906	3,602	612	1,265	1,822	1,293	862	2,100	1,836	515
Hopewell City	19,052	4,934	838	1,734	2,496	1,772	1,181	2,877	2,515	705
Petersburg City	25,896	6,707	1,139	2,357	3,392	2,408	1,606	3,910	3,418	958
CVWMA Service Area	1,008,367	261,167	44,368	91,761	132,096	93,778	62,519	152,263	133,104	37,310

Waste Generation Table – 2040

Locality	2040	Paper				Rubber & Leather				
	MSW (tons)	& Paperboard	Glass	Metals	Plastics	Textile	Wood	Food Scraps	Yard Trimmings	Other
Charles City County	8,009	2,074	352	729	1,049	745	497	1,209	1,057	296
Chesterfield County	345,406	89,460	15,198	31,432	45,248	32,123	21,415	52,156	45,594	12,780
Goochland County	24,737	6,407	1,088	2,251	3,241	2,301	1,534	3,735	3,265	915
Hanover County	136,573	35,372	6,009	12,428	17,891	12,701	8,468	20,622	18,028	5,053
Henrico County	368,435	95,425	16,211	33,528	48,265	34,264	22,843	55,634	48,633	13,632
New Kent County	22,516	5,832	991	2,049	2,950	2,094	1,396	3,400	2,972	833
Powhatan County	35,383	9,164	1,557	3,220	4,635	3,291	2,194	5,343	4,671	1,309
Richmond City	189,196	49,002	8,325	17,217	24,785	17,595	11,730	28,569	24,974	7,000
Prince George County	34,715	8,991	1,527	3,159	4,548	3,229	2,152	5,242	4,582	1,284
Colonial Heights City	13,862	3,590	610	1,261	1,816	1,289	859	2,093	1,830	513
Hopewell City	19,199	4,973	845	1,747	2,515	1,785	1,190	2,899	2,534	710
Petersburg City	23,394	6,059	1,029	2,129	3,065	2,176	1,450	3,532	3,088	866
CVWMA Service Area	1,221,426	316,349	53,743	111,150	160,007	113,593	75,728	184,435	161,228	45,193

Table 2 Sanitary and CDD Landfills

Landfill Name	Location	Date Permitted	Permitted Capacity (tons)	Remaining Capacity (tons as of 1/1/2019)
Sanitary Landfills in the CVWMA Region				
1 Charles City Landfill	Charles City	9/1989	24,000,000	12,805,824
2 Old Dominion Sanitary Landfill	Henrico County	4/1993	17,000,000	8,186,234
3 Shoosmith Sanitary Landfill	Chesterfield County	9/1976	37,900,000	20,050,000
4 Tri-Cities Regional Landfill	Petersburg	7/1977	3,704,627	500,000
Construction/Demolition/Debris Landfills in the Region				
5 623 C/D/D Landfill	Goochland County	3/1987	18,300,000	10,536,097
6 Ashcake C/D/D Landfill	Hanover County	9/1994	1,125,827	699,000
7 The East End Landfill	Henrico County	7/1988	2,912,700	140,504
8 Taylor Road Landfill	Chesterfield County	7/1979	12,000,000	7,794,532
9 Skinquarter Land, LLC Landfill	Chesterfield County	8/2010	4,600,000	4,600,000
Sanitary Landfills outside the CVWMA Region				
10 King & Queen Sanitary Landfill	King & Queen	6/1993	31,500,000	6,957,506
11 Atlantic Waste Disposal Sanitary Landfill	Sussex	12/1993	66,000,000	45,497,743
12 Maplewood Recycling & Waste Facility	Amelia	6/1992	33,600,000	16,397,337
13 King George County Landfill	King George	8/1995	18,500,000	16,795,934
14 Middle Peninsula Sanitary LF	Gloucester	8/1994	23,500,000	13,995,988
15 Disposal and Recycling Services of Lunenburg	Lunenburg	10/1992	1,618,668	1,150,000
Source of Capacity Figures: Commonwealth of Virginia Department of Environmental Quality Solid Waste Managed in Virginia During Calendar Year 2018 Report, June 2019.				

Note 1: Remaining Capacity reported in Table 2 is based on self-reported airspace numbers provided to the Virginia Department of Environmental Quality as required by 9 VAC 20-81-80.

Locality Input – Summary

- **Ashland** – Recycling options for downtown businesses
- **Charles City** – No expansion plans at landfill, more recycling efforts in County
- **Chesterfield** – Construction of new transfer station/Convenience Center in western part of County being considered. Consider regional MSW project such as converting MSW to clean burning source.
- **Colonial Heights** – Tri-Cities Landfill needs to correct nuisance issues. More emphasis on sustainable operation in solid waste and recycling.
- **Goochland** – Possible new convenience center in eastern Goochland based on growth and/or need for additional drop-off recycling location.
- **Hanover** – Preparing bids for the transportation and disposal of MSW/CCD from its waste management system within the next 5 years. Need for increasing connection between storm water and solid waste management. Continue evaluation of food waste recycling. County Waste opening MSW transfer station in Hanover County. Continue to assure sufficient CDD and MSW capacity is available economically to CVWMA members.
- **Henrico** – Yard waste needs; Identified need for a transfer station at the Charles City Road Public Use Area. Bio solids processing facility currently land applies 80% with 20% going to landfill. Explore other methods and technologies for solid waste other than landfilling.
- **Hopewell** – closed LF, no plans to re-open
- **New Kent** – have not received
- **Petersburg** - Explore methane gas collection at the Tri-City Landfill. Encourage and support more recycling. Possible expansion of Tri-City landfill.
- **Powhatan** – No known significant changes in growth/population, however will add second convenience center in the east end of the County. In addition, possibly add additional recycling centers.
- **Prince George** – Sufficient capacity to meet County needs. CFS operates Convenience Center. Possible construction of additional collection stations in the County.
- **Richmond** – have not received.

Resolution 20-01 is attached for consideration and the Technical Advisory and the Staff recommend approval of the 5-year update to the Central Virginia Solid Waste Management Plan for the 20-year planning period 2019-2039.

Recommended Action: Approval of **Resolution: 20-01**

Attachment

RESOLUTION 20-01

A resolution authorizing the 5-year update to the Central Virginia Solid Waste Management Plan for the 20 year planning period 2019-2039 and directing the transmittal of the revised Central Virginia Solid Waste Management Plan to the Virginia Department of Environmental Quality (DEQ) in accordance with Section 10.1-1411 of the Code of Virginia.

WHEREAS, in accordance with the provisions of Section 10.1-1411 of the Code of Virginia, the Central Virginia Solid Waste Planning Area was designated by the Virginia Department of Waste Management as a planning area on May 31, 1991, and

WHEREAS, the Central Virginia Solid Waste Planning Area is contiguous with and concurrent to the geographic boundaries of the Central Virginia Waste Management Authority (CVWMA) comprised of the following member jurisdictions: Cities of Colonial Heights, Hopewell, Petersburg and Richmond; the Counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, Powhatan and Prince George; and the Town of Ashland, and

WHEREAS, Section 9VAC20-130-30 of the Code of Virginia requires that Solid Waste Planning Areas develop comprehensive and integrated solid waste management plans that at a minimum consider and address all components of the following hierarchy: source reduction, reuse, recycling, resource recovery (waste to energy), incineration and landfilling, and

WHEREAS, the Central Virginia Solid Waste Management Plan was adopted by the CVWMA Board of Directors on February 20, 2004, approved by the Crater Planning District Commission on March 17, 2004 and approved by the Richmond Regional Planning District Commission on April 8, 2004, and

WHEREAS, the Central Virginia Solid Waste Management Plan was approved by the Virginia DEQ on August 20, 2004, and

WHEREAS, subsequently the Central Virginia Solid Waste Management Plan was amended nine times at various times since 2004 and was updated in accordance with the Virginia solid waste regulations in July 2014, and

WHEREAS, Section 9VAC20-130 of the Code of Virginia requires Solid Waste Planning Areas update the solid waste management plan every 5 years for the next 20-year planning period, and

WHEREAS, the CVWMA as the Plan holder for the Central Virginia Solid Waste Management Plan has updated the plan for previous planning periods in 2009 and 2014 and has updated the Plan for the 20-year planning period 2019-2039 as outlined in Agenda Item No. 7 of the August 16, 2019 Board Agenda, and

THEREFORE, BE IT RESOLVED, the Central Virginia Solid Waste Management Plan projects waste management needs of the region for a 20-year planning period of 2019-2039; and

THEREFORE, BE IT RESOLVED, the Central Virginia Waste Management Authority, upon review by the Technical Advisory Committee, the updated Central Virginia Solid Waste Management Plan shall be transmitted to the Virginia DEQ on or about August 20, 2019 and that this resolution shall be in full force and effect upon its passage.

Adopted this 16th day of August 2019

ATTEST:

Marcia Phillips, Chairman

FINANCIAL REPORTS FOR JULY 2019

July is the first month of the new fiscal year and financial activity is consistent with previous monthly activity. The Authority has a combined Net Income of over \$532,147. The annual operating assessment is billed annually at the beginning of the year; therefore, you will see net income decrease monthly as operating expenses are incurred.

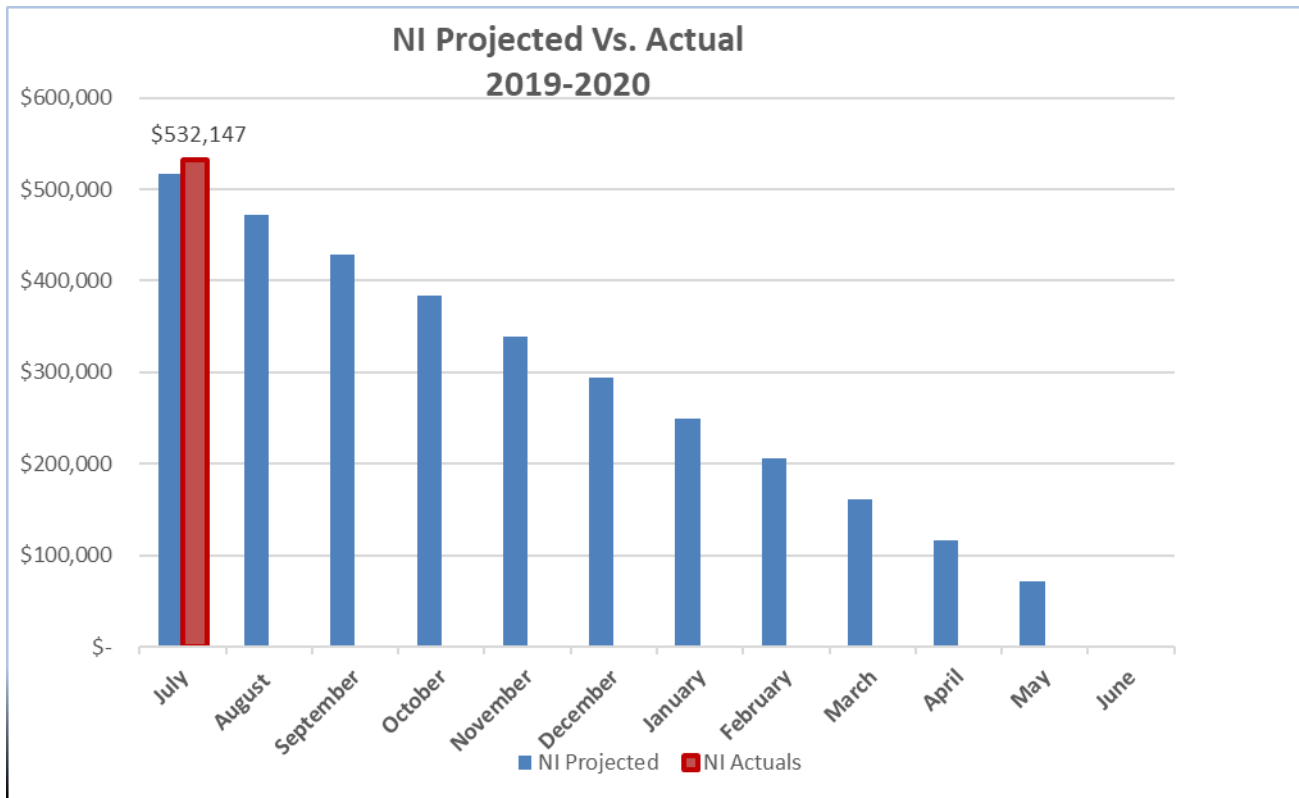
2019 Annual Audit

CVWMA audit firm Brown Edwards conducted their fieldwork the week of July 29 and the Audit Committee met with representatives of Brown Edwards on July 30. Staff is working on completing the 2019 Comprehensive Annual Financial Report (CAFR) and will be discussing the results of the audit and draft CAFR with the Audit Committee in early September. The CAFR will be presented at the September Board of Directors meeting for consideration and approval.

Recommended Action: Approval of the Financial Reports for July 2019

**Central Virginia Waste Management Authority
Statement of Revenues and Expenses - Summary
July 2019**

Summary - All Funds			
	Total	Total	
	<u>Revenues</u>	<u>Expenses</u>	<u>NI Totals</u>
General Operating Fund	\$ 569,070	48,727	\$ 520,343
Curbside Project Fund	776,219	764,015	\$ 12,204
Drop-Off Project Fund	2,934	3,750	\$ (816)
Municipal Solid Waste Fund	263,327	263,341	\$ (14)
CFC/HCFC	-	-	\$ -
Special Waste Collections	22,234	21,803	\$ 430
Waste Tire Fund	-	-	\$ -
Appliance and Scrap Metal Hauling	65,746	65,746	\$ -
Yard Waste Projects	-	-	\$ -
Waste Transfer & Disposal	<u>109,070</u>	<u>109,070</u>	\$ -
Totals	<u>\$ 1,808,600</u>	<u>\$ 1,276,452</u>	<u>\$ 532,147</u>
	<u>Month to date</u>	<u>Year to date</u>	<u>Budget</u>
Capital Outlay	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 15,000</u>



**Central Virginia Waste Management Authority
Statement of Revenues and Expenses – Budget and Actual
July 2019**

General Operating Fund					
	Month to Date	Year to Date	Total		% Budget
	<u>Actual</u>	<u>Actual</u>	<u>Budget</u>	<u>Variance</u>	<u>Remaining</u>
Revenues:					
Annual Gov't Assessments	\$ 567,956	\$ 567,956	\$ 567,955	\$ (1)	0.0%
Interest on Investments	1,114	1,114	34,500	33,386	96.8%
Total Revenues	<u>569,070</u>	<u>569,070</u>	<u>602,455</u>	<u>33,385</u>	<u>5.5%</u>
Expenses:					
Personnel services	37,595	37,595	417,860	380,265	91.0%
Fringe benefits	4,817	4,817	86,225	81,408	94.4%
Professional services	840	840	34,400	33,560	97.6%
Repairs and maintenance	146	146	3,125	2,979	95.3%
Advertising and promotions	-	-	1,250	1,250	100.0%
Materials and supplies	-	-	4,450	4,450	100.0%
Other services and charges	475	475	15,070	14,595	96.8%
Leases	3,882	3,882	46,400	42,518	91.6%
Depreciation	972	972	10,750	9,778	91.0%
Contingencies	-	-	-	-	
Total Expenses	<u>48,727</u>	<u>48,727</u>	<u>619,530</u>	<u>570,803</u>	<u>92.1%</u>
Net Income	<u>\$ 520,343</u>	<u>\$ 520,343</u>	<u>\$ (17,075)</u>	<u>\$ 537,418</u>	
Capital Outlay	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 7,650</u>	<u>\$ 7,650</u>	

Central Virginia Waste Management Authority
Statement of Revenues and Expenses – Budget and Actual
July 2019

Curbside Project Fund					
	Month to Date	Year to Date	Total		% Budget
	<u>Actual</u>	<u>Actual</u>	<u>Budget</u>	<u>Variance</u>	<u>Remaining</u>
Revenues:					
Project Service Fees	\$ 713,560	\$ 713,560	\$ 8,720,000	\$ 8,006,440	91.8%
Public Relations Assessment	19,615	19,615	226,000	206,385	91.3%
Customer Service Assessment	25,069	25,069	240,000	214,931	89.6%
96-gal Cart Revenue	17,198	17,198	164,000	146,802	89.5%
Sponsorship and Grants	-	-	10,000	10,000	0.0%
Material Sales Rebate	-	-	-	-	-
Interest on Investments	<u>777</u>	<u>777</u>	<u>20,865</u>	<u>20,088</u>	<u>96.3%</u>
Total Revenues	<u>776,219</u>	<u>776,219</u>	<u>9,380,865</u>	<u>8,604,646</u>	<u>91.7%</u>
Expenses:					
Personnel services	20,618	20,618	225,230	204,612	90.8%
Fringe benefits	5,205	5,205	55,975	50,770	90.7%
Professional services	1,219	1,219	29,975	28,756	95.9%
Repairs and maintenance	1,169	1,169	2,800	1,631	58.3%
Advertising and promotions	65	65	81,750	81,685	99.9%
Materials and supplies	-	-	3,910	3,910	100.0%
Other services and charges	1,686	1,686	64,525	62,839	97.4%
Leases	3,010	3,010	35,500	32,490	91.5%
Depreciation	1,069	1,069	7,200	6,131	85.2%
Contractual services	713,560	713,560	8,720,000	8,006,440	91.8%
96-gal Cart Expense	16,414	16,414	154,000	137,586	89.3%
Material Sales Rebate	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total Expenses	<u>764,015</u>	<u>764,015</u>	<u>9,380,865</u>	<u>8,616,850</u>	<u>91.9%</u>
Net Income	<u>\$ 12,204</u>	<u>\$ 12,204</u>	<u>\$ -</u>	<u>\$ 12,204</u>	
Capital Outlay	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 6,600</u>	<u>\$ 6,600</u>	

Central Virginia Waste Management Authority
Statement of Revenues and Expenses – Budget and Actual
July 2019

Drop Off Project Fund					
	Month to Date	Year to Date	Total		% Budget
	<u>Actual</u>	<u>Actual</u>	<u>Budget</u>	<u>Variance</u>	<u>Remaining</u>
Revenues:					
Project Service Fees	\$ -	\$ -	\$ 1,000,000	\$ 1,000,000	100.0%
Materials Sales Rebate	2,934	2,934	150,000	147,066	98.0%
Interest on Investments	-	-	8,130	8,130	100.0%
Total Revenues	<u>2,934</u>	<u>2,934</u>	<u>1,158,130</u>	<u>1,155,196</u>	<u>99.7%</u>
Expenses:					
Personnel services	531	531	10,345	9,814	94.9%
Fringe benefits	215	215	2,390	2,175	91.0%
Professional services	4	4	1,680	1,676	99.8%
Repairs and maintenance	29	29	200	171	85.5%
Advertising and promotions	-	-	1,500	1,500	100.0%
Materials and supplies	-	-	190	190	100.0%
Other services and charges	55	55	455	400	87.9%
Leases	104	104	1,295	1,191	92.0%
Contractual services	-	-	1,000,000	1,000,000	100.0%
Materials sales rebate	<u>2,812</u>	<u>2,812</u>	<u>123,000</u>	<u>120,188</u>	<u>97.7%</u>
Total Expenses	<u>3,750</u>	<u>3,750</u>	<u>1,141,055</u>	<u>1,137,305</u>	<u>99.7%</u>
Net Income	<u>\$ (816)</u>	<u>\$ (816)</u>	<u>\$ 17,075</u>	<u>\$ (17,891)</u>	

Central Virginia Waste Management Authority
Statement of Revenues and Expenses – Budget and Actual
July 2019

Municipal Solid Waste Fund					
	Month to Date	Year to Date	Total		% Budget
	<u>Actual</u>	<u>Actual</u>	<u>Budget</u>	<u>Variance</u>	<u>Remaining</u>
Revenues:					
Project Service Fees	\$ 260,297	\$ 260,297	\$ 3,370,000	\$ 3,109,703	92.3%
Customer Service Assessment	2,825	2,825	34,000	31,175	91.7%
Contract Admin Costs	-	-	-	-	0.0%
Interest on Investments	<u>205</u>	<u>205</u>	<u>5,505</u>	<u>5,300</u>	<u>96.3%</u>
Total Revenues	<u>263,327</u>	<u>263,327</u>	<u>3,409,505</u>	<u>3,146,178</u>	<u>92.3%</u>
Expenses:					
Personnel services	1,732	1,732	19,080	17,348	90.9%
Fringe benefits	480	480	5,080	4,600	90.6%
Professional services	99	99	7,350	7,251	98.7%
Repairs and maintenance	117	117	875	758	86.6%
Advertising and promotions	-	-	500	500	99.0%
Materials and supplies	-	-	950	950	100.0%
Other services and charges	203	203	1,790	1,587	88.7%
Leases	279	279	3,180	2,901	91.2%
Depreciation	134	134	700	566	80.9%
Contractual Services	<u>260,297</u>	<u>260,297</u>	<u>3,370,000</u>	<u>3,109,703</u>	<u>92.3%</u>
Total Expenses	<u>263,341</u>	<u>263,341</u>	<u>3,409,505</u>	<u>3,146,164</u>	<u>92.3%</u>
Net Income	<u>\$ (14)</u>	<u>\$ (14)</u>	<u>\$ -</u>	<u>\$ (14)</u>	
Capital Outlay	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 750</u>	<u>\$ 750</u>	

**Central Virginia Waste Management Authority
Accounts and Receivables
July 2019**

Other Special Projects					
	Month to Date	Year to Date	Total		% Budget
	<u>Actual</u>	<u>Actual</u>	<u>Budget</u>	<u>Variance</u>	<u>Remaining</u>
Revenues:					
Project Service Fees	\$ 122,453	\$ 122,453	\$ 2,597,000	\$ 2,474,547	95.3%
Contract Admin Costs	-	-	-	-	0.0%
Materials Sales Rebate	<u>74,597</u>	<u>74,597</u>	<u>540,000</u>	<u>465,403</u>	<u>86.2%</u>
Total Revenues	<u>197,050</u>	<u>197,050</u>	<u>3,137,000</u>	<u>2,939,950</u>	<u>93.7%</u>
Expenses:					
Advertising and Promotions	-	-	-	-	0.0%
Contractual services	121,652	121,652	2,597,000	2,475,348	90.0%
Materials sales rebate	<u>74,968</u>	<u>74,968</u>	<u>540,000</u>	<u>465,032</u>	<u>86.1%</u>
Total Expenses	<u>196,620</u>	<u>196,620</u>	<u>3,137,000</u>	<u>2,940,380</u>	<u>93.7%</u>
Net Income	<u>\$ 430</u>	<u>\$ 430</u>	<u>\$ -</u>	<u>\$ 430</u>	

Central Virginia Waste Management Authority
Accounts Receivables
July 2019

Receivables 7/31/2019	Total	Over 60 days	Current w/in 60 days
Department of General Services	5,187	-	5,187
Ashland	18,916	-	18,916
Charles City	-	-	-
Chesterfield	37,036	-	37,036
Colonial Heights	239,787	-	239,787
Goochland	8,305	-	8,305
Hanover	32,367	-	32,367
Henrico	654,133	-	654,133
Hopewell	253,690	-	253,690
New Kent	7,591	-	7,591
Petersburg	139,518	-	139,518
Powhatan	11,194	-	11,194
Prince George	-	-	-
Richmond	9,813	-	9,813
Totals		\$ -	\$ 1,417,537