

AT A MEETING OF THE NEW RIVER RESOURCE AUTHORITY
HELD ON WEDNESDAY, OCTOBER 26, 2022, AT NOON,
NRRRA ADMINISTRATION BUILDING,
DUBLIN, VIRGINIA:

PRESENT: Mr. Barry Helms, Chairman
Mr. Paul Baker, Vice-Chair
Mr. Robert Asbury, Member
Mr. Dirk Compton, Member
Mr. Steve Fijalkowski, Member
Mr. Tye Kirkner, Member
Mr. Tom Starnes, Member
Mr. Jonathan Sweet, Member

STAFF: Mr. Joseph Levine, NRRRA Executive Director
Ms. Marjorie Atkins, NRRRA Recording Secretary
Mr. David Rupe, NRRRA Administrative & Compliance Manager
Mr. Howard Estes, NRRRA Legal Counsel
Ms. Sherry Johnson, NRRRA Administrative Assistant

GUESTS: Mr. Andrew Monk, Thompson & Litton
Mr. Brian Tew, Thompson & Litton

Chairman Helms called the meeting to order.

The motion to approve the October 26, 2022, Agenda was made by Mr. Baker. The motion was seconded by Mr. Compton and approved by a recorded roll call vote of the Authority as follows:

Mr. Asbury	<u>yes</u>	Mr. Kirkner	<u>yes</u>
Mr. Baker	<u>yes</u>	Mr. Starnes	<u>yes</u>
Mr. Compton	<u>yes</u>	Mr. Sweet	<u>yes</u>
Mr. Fijalkowski	<u>yes</u>	Mr. Helms	<u>yes</u>

The motion to approve the minutes of the September 28, 2022, Board Meeting, as presented, was made by Mr. Baker. The motion was seconded by Mr. Starnes and approved by a recorded roll call vote of the Authority as follows:

Mr. Asbury	<u>yes</u>	Mr. Kirkner	<u>yes</u>
Mr. Baker	<u>yes</u>	Mr. Starnes	<u>yes</u>
Mr. Compton	<u>yes</u>	Mr. Sweet	<u>yes</u>
Mr. Fijalkowski	<u>yes</u>	Mr. Helms	<u>yes</u>

No Old Business was presented for the agenda.

New Business and Administrative Items included Items of Consent.

The Check List for the month of September 2022 was included in the Agenda.

The motion to approve the Check List for the month of September 2022 was made by Mr. Starnes. The motion was seconded by Mr. Baker and approved by a recorded roll call vote of the Authority as follows:

Mr. Asbury	<u>yes</u>	Mr. Kirkner	<u>yes</u>
Mr. Baker	<u>yes</u>	Mr. Starnes	<u>yes</u>
Mr. Compton	<u>yes</u>	Mr. Sweet	<u>no</u>
Mr. Fijalkowski	<u>yes</u>	Mr. Helms	<u>yes</u>

The draft Financial Statement for September 2022 was presented.

The motion to approve the draft Financial Statement for September, as presented was made by Mr. Baker. The motion was seconded by Mr. Asbury and approved by a recorded roll call vote of the Authority as follows:

Mr. Asbury	<u>yes</u>	Mr. Kirkner	<u>yes</u>
Mr. Baker	<u>yes</u>	Mr. Starnes	<u>yes</u>
Mr. Compton	<u>yes</u>	Mr. Sweet	<u>yes</u>
Mr. Fijalkowski	<u>yes</u>	Mr. Helms	<u>yes</u>

Administrative Items included: Area D Pay Request 28 and Resolutions to expand the customer area.

The motion to approve Area D Pay Request 28 in the amount of \$1,576.00 was made by Mr. Baker. The motion was seconded by Mr. Asbury and approved by a recorded roll call vote of the Authority as follows:

Mr. Asbury	<u>yes</u>	Mr. Kirkner	<u>yes</u>
Mr. Baker	<u>yes</u>	Mr. Starnes	<u>yes</u>
Mr. Compton	<u>yes</u>	Mr. Sweet	<u>yes</u>
Mr. Fijalkowski	<u>yes</u>	Mr. Helms	<u>yes</u>

RESOLUTION OF THE NEW RIVER RESOURCE AUTHORITY ADOPTING TEMPORARY DISPOSAL AGREEMENT – SMYTH COUNTY

At a regular meeting of the Board of Directors of the New River Resource Authority, held on _____, 20__ at Noon, the Board of Directors resolved as follows:

A **RESOLUTION** authorizing an emergency, temporary disposal agreement (the “Temporary Disposal Agreement”) between the New River Resource Authority ("Authority") and Smyth County, Virginia ("Smyth County") for the emergency disposal of nonhazardous solid waste:

WHEREAS, the Articles of Incorporation of the Authority provide that the Authority may, with the consent of all member jurisdictions, enter into contracts with other political subdivisions that are not members of the Authority in order to further its purposes and functions; and

WHEREAS, the Agreement of expansion of the Authority dated April 14, 1998 (the "Agreement"); provides that the Authority is to be used only for the disposal of waste in the member jurisdictions and only such areas outside of those geographical limits as the governing bodies of the member jurisdictions may unanimously agree; and

WHEREAS pursuant to the Fourth Amended User Agreement of New River Resource Authority for Authority Members, adopted and effective August 24, 2016 (the "Fourth Amendment"), provides that, subject to and upon certain terms and conditions, to authorize the Authority to contract with other public subdivisions within the Commonwealth of Virginia to allow for the emergency disposal of nonhazardous solid waste without the requirement of prior approval of each of the member jurisdictions; and

WHEREAS, Smyth County has proposed to contract with the Authority for the acceptance by the Authority of non-hazardous solid waste from Smyth County on a temporary basis in the event of an unexpected emergency; and

WHEREAS, Smyth County does not have solid waste disposal facilities and therefore cannot reciprocate as envisioned under the Fourth Amendment whereby the Authority can unilaterally execute a temporary disposal agreement with localities in cases of emergencies; and

WHEREAS, pursuant to the above provisions of the Articles of Incorporation and the Agreement, the consent of all Member Jurisdictions of the Authority is required for approval of such contracts; and

WHEREAS, the Authority desires to execute an agreement to provide emergency assistance to the Smyth County; and

WHEREAS, the Proposed Temporary Disposal Agreement has been submitted to each of the Member Jurisdictions for ratification and approval by each of the Member Jurisdictions.

NOW THEREFORE, BE IT RESOLVED that:

1. The Chairman of the Authority is authorized to execute and attest, respectively, the Temporary Disposal Agreement in substantially the form attached hereto as Exhibit A, subject to review and final approval as to form by the Attorney for the Authority.
2. The Chairman and the Executive Director is authorized to take such further actions and execute additional documents as may be needed to implement and administer such Temporary Disposal Agreement, and such additional documents, if any, are to be approved as to form by the Attorney for the Authority.
3. This Resolution shall take effect immediately.

Attest:

Secretary, New River Resource Authority

CERTIFICATE

The undersigned Chairman of the New River Resource Authority, does hereby certify that the foregoing constitutes a true and correct extract from the minutes of a meeting of the Board of Directors held on _____, 20__, and of the whole thereof so far as applicable to the matters referred to in such extract. I hereby further certify that such meeting was a regularly scheduled meeting and that, during the consideration of the foregoing Resolution, a quorum was present. The vote of the members of the Board of Directors upon the foregoing Resolution was as follows:

Member Name	<u>Voting</u>				
	Present	Absent	Yes	No	Abstaining
Barry Helms, Chairman	_____	_____	_____	_____	_____
Paul Baker, Vice Chairman	_____	_____	_____	_____	_____
Robert Asbury	_____	_____	_____	_____	_____
Steve Fijalkowski	_____	_____	_____	_____	_____
Dirksen Compton	_____	_____	_____	_____	_____
Thomas Starnes	_____	_____	_____	_____	_____
Jonathan Sweet	_____	_____	_____	_____	_____
Tye Kirkner	_____	_____	_____	_____	_____

WITNESS MY HAND and the seal of the New River Resource Authority, Virginia, this ____ day of _____, 20__.

Chairman, New River Resource Authority

Mr. Estes recommended that the Board adopt the "Resolution of the New River Resource Authority Adopting Temporary Disposal Agreement – Smyth County". Following discussion, it was agreed that the first paragraph on page 2 should be changed to read "Whereas, the Proposed Temporary Disposal Agreement **has been submitted to each of the Member Jurisdictions for ratification and approval by each of the Member Jurisdictions**".

The motion to adopt Resolution of the New River Resource Authority Adopting Temporary Disposal Agreement – Smyth County" was made by Mr. Starnes. The motion was seconded by Mr. Baker and approved by a recorded roll call vote of the Authority as follows:

Mr. Asbury <u>yes</u>	Mr. Kirkner <u>yes</u>
Mr. Baker <u>yes</u>	Mr. Starnes <u>yes</u>
Mr. Compton <u>yes</u>	Mr. Sweet <u>yes</u>
Mr. Fijalkowski <u>yes</u>	Mr. Helms <u>yes</u>

**RESOLUTION OF THE NEW RIVER RESOURCE AUTHORITY RECOMMENDING
APPROVAL OF A TEMPORARY DISPOSAL AGREEMENT – SMYTH COUNTY**

At a regular meeting of the Board of Directors of the New River Resource Authority, held on _____, 20__ at Noon, the Board of Directors resolved as follows:

A **RESOLUTION** recommending approval by Member Jurisdictions of an emergency, temporary disposal agreement (the "Temporary Disposal Agreement") between the New River Resource Authority ("Authority") and Smyth County, Virginia ("Smyth County") for the emergency disposal of nonhazardous solid waste:

WHEREAS, the Articles of Incorporation of the Authority provide that the Authority may, with the consent of all Member Jurisdictions, enter into contracts with other political subdivisions that are not members of the Authority in order to further its purposes and functions; and

WHEREAS, the Agreement of expansion of the Authority dated April 14, 1998 (the "Agreement"); provides that the Authority is to be used only for the disposal of waste in the member jurisdictions and only such areas outside of those geographical limits as the governing bodies of the member jurisdictions may unanimously agree; and

WHEREAS pursuant to the Fourth Amended User Agreement of New River Resource Authority for Authority Members, adopted and effective August 24, 2016 (the "Fourth Amendment"), provides that, subject to and upon certain terms and conditions, to authorize the Authority to contract with other public subdivisions within the Commonwealth of Virginia to allow for the emergency disposal of nonhazardous solid waste without the requirement of prior approval of each of the member jurisdictions; and

WHEREAS, Smyth County has proposed to contract with the Authority for the acceptance by the Authority of non-hazardous solid waste from Smyth County on a temporary basis in the event of an unexpected emergency; and

WHEREAS, Smyth County does not have solid waste disposal facilities and therefore cannot reciprocate as envisioned under the Fourth Amendment whereby the

Authority can unilaterally execute a temporary disposal agreement with localities in cases of emergencies; and

WHEREAS, pursuant to the above provisions of the Articles of Incorporation and the Agreement, the consent of all Member Jurisdictions of the Authority is required for approval of such contracts; and

WHEREAS, the Authority desires to execute an agreement to provide emergency assistance to the Smyth County and has negotiated the terms of a Proposed Temporary Disposal Agreement, in substantially the form as attached hereto as Exhibit A; and

WHEREAS, such Proposed Temporary Disposal Agreement has been submitted to each of the Member Jurisdictions and the Authority seeks consent from the Member Jurisdictions to execute the Proposed Temporary Disposal Agreement, in substantial form as presented thereto.

NOW THEREFORE, BE IT RESOLVED by the Board of Directors that:

4. The Board of Directors hereby approve of the terms and conditions set forth in the Proposed Temporary Disposal Agreement, as presented at this meeting.
5. The Board of Directors ask that each Member Jurisdiction consent to the Authority entering into the Proposed Temporary Disposal Agreement in substantially the form attached hereto as Exhibit A, subject to review and final approval as to form by the Attorney for the Authority.
6. The Chairman of the Authority and the Executive Director is each authorized to communicate this request to each of the Member Jurisdictions and seek approval of the draft resolution as attached hereto as Exhibit B.
7. The Chairman and the Executive Director are each authorized to take such further actions and execute additional documents as may be needed to further the goals set forth in this Resolution.
8. This Resolution shall take effect immediately.

Attest:

Secretary, New River Resource Authority

CERTIFICATE

The undersigned Chairman of the New River Resource Authority, does hereby certify that the foregoing constitutes the Resolution as adopted by the Board of Directors at a meeting of the Board of Directors held on _____, 20__ . I hereby further certify that such meeting was a regularly scheduled meeting and that, during the consideration of the foregoing Resolution, a quorum was present. The vote of the members of the Board of Directors upon the foregoing Resolution was as follows:

Member Name	<u>Voting</u>				
	Present	Absent	Yes	No	Abstaining
Barry Helms, Chairman	_____	_____	_____	_____	_____
Paul Baker, Vice Chairman	_____	_____	_____	_____	_____
Robert Asbury	_____	_____	_____	_____	_____
Steve Fijalkowski	_____	_____	_____	_____	_____
Dirksen Compton	_____	_____	_____	_____	_____
Thomas Starnes	_____	_____	_____	_____	_____
Jonathan Sweet	_____	_____	_____	_____	_____
Tye Kirkner	_____	_____	_____	_____	_____

WITNESS MY HAND and the seal of the New River Resource Authority, Virginia, this ____ day of _____, 20__.

Chairman, New River Resource Authority

The motion to adopt the "Resolution of the New River Resource Authority Recommending Approval of a Temporary Disposal Agreement – Smyth County" was made by Mr. Compton. The motion was seconded by Mr. Fijalkowski and approved by a recorded roll call vote of the Authority as follows:

Mr. Asbury	<u>yes</u>	Mr. Kirkner	<u>yes</u>
Mr. Baker	<u>yes</u>	Mr. Starnes	<u>yes</u>
Mr. Compton	<u>yes</u>	Mr. Sweet	<u>yes</u>
Mr. Fijalkowski	<u>yes</u>	Mr. Helms	<u>yes</u>

The two resolutions with attachments will be sent to all member administrators with a brief cover letter summarizing action needed from all member jurisdictions.

Mr. Levine presented the Executive Director's Report. Revenue was 8.6% above projections; expenses were 4.9% below projections. 17,944.65 tons of waste was managed in September. October 4, DEQ inspected the NRSWM facility. October 13, Ruby Canyon and SCS Engineers were on site for carbon credit verification. On November 3, 2022, the Authority will upgrade its Wasteworks software and close at 3:00. The FY 2021/2022 annual audit will be presented at the November 16, 2022, Board meeting.

On October 25, 2022, Mr. Levine received a call from National Bank regarding a fraudulent check issued with the Authority's name, routing number and bank account number for \$7,000.00. A hold was placed on the account and staff has opened a new operating account.

Mr. Levine presented the Engineering Section of the Agenda.

Ingles Mountain – Mr. Rupe reported the flare at Ingles Mountain had been completed except for a modem for the remote operation. All groundwater reports had been submitted and reviewed by DEQ. Staff had completed last mowing of the site for the season.

NRSWMF – Mr. Monk reported that Area D and partial closure applications were under review by DEQ.

West Fork – WSSI completed field work.

Mr. Tew and Mr. Monk presented the "2022 Waste Rate Study and Financial Model". A copy of the presentation is attached to these minutes.

The Chairman invited Public Comments.

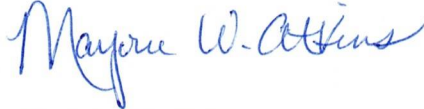
No comments were presented.

The meeting was adjourned by consensus.

The meeting adjourned at 1:00 pm.

The next scheduled meeting of the Authority is scheduled for Wednesday, November 16, 2022, 12:00, NOON at 7100 Cloyd's Mountain Road.

Respectfully Submitted,



Marjorie W. Atkins
NRRRA Recording Secretary

Approved at 11/16/2022 Board Meeting.



Barry Helms, Chair



2022 Waste Rate Study and Financial Model
PRESENTATION FOR THE NEW RIVER RESOURCE AUTHORITY

THIRD-PARTY ANALYSIS

- **IN ACCORDANCE WITH ARTICLE IV SECTION 2 OF THE NEW RIVER RESOURCE AUTHORITY USER AGREEMENT FOR AUTHORITY MEMBERS, THOMPSON & LITTON HAS COMPLETED OUR THIRD-PARTY ANALYSIS OF THE NEW RIVER RESOURCE AUTHORITY'S BUDGET AND WASTE RATES.**

REVIEW OF 2021 WASTE RATE SCHEDULE PRESENTATION

- **The 2021 Waste Rate Study evaluated two scenarios.**
 - Scenario 1 assumed no changes to the waste stream.
 - Scenario 2 assumed 32,000 tons/year for a period of three years.

REVIEW OF 2021 WASTE RATE STUDY PRESENTATION

Scenario 1 - Baseline

Waste Rate Schedule (\$/Ton)

Description	Actual	Actual	Actual	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28
Gate Rate	\$32.00	\$32.00	\$32.00	\$34.00	\$34.00	\$34.00	\$36.00	\$38.00	\$40.00	\$42.00
Member Rate	-	-	-	\$24.00	\$24.00	\$24.00	\$26.00	\$28.00	\$30.00	\$32.00
ADC Rate	\$17.00	\$17.00	\$17.00	\$22.00	\$22.00	\$22.00	\$26.00	\$28.00	\$30.00	\$32.00
MSW / CD Non-Member (Emergency)	\$35.00	\$35.00	\$35.00	\$37.00	\$37.00	\$37.00	\$39.00	\$41.00	\$43.00	\$45.00
VT Ash	\$7.00	\$7.00	\$7.00	\$10.00	\$10.00	\$10.00	\$26.00	\$28.00	\$30.00	\$32.00
Non-Friable Asbestos	\$54.00	\$54.00	\$54.00	\$54.00	\$54.00	\$54.00	\$57.00	\$60.00	\$63.00	\$66.00
Clean Wood	\$20.00	\$20.00	\$20.00	\$25.00	\$25.00	\$25.00	\$27.00	\$29.00	\$31.00	\$33.00
Tires	\$100.00	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00	\$210.00	\$220.00	\$230.00	\$240.00
White Goods	\$32.00	\$32.00	\$32.00	\$34.00	\$34.00	\$34.00	\$36.00	\$38.00	\$40.00	\$42.00

- The 2021 Waste Rate model indicated that without a change in waste stream, rates would need to steadily increase.

REVIEW OF 2021 WASTE RATE STUDY PRESENTATION

Scenario 2 - 32,000 Tons/Year for 3 Years

Description	Waste Rate Schedule (\$/Ton)										
	Actual 18-19	Actual 19-20	Actual 20-21	Year 0 21-22	Year 1 22-23	Year 2 23-24	Year 3 24-25	Year 4 25-26	Year 5 25-27	Year 6 27-28	
Gate Rate	\$32.00	\$32.00	\$32.00	\$34.00	\$34.00	\$34.00	\$34.00	\$34.00	\$34.00	\$40.00	
Member Rate	-	-	-	\$24.00	\$24.00	\$24.00	\$24.00	\$24.00	\$24.00	\$30.00	
ADC Rate	\$17.00	\$17.00	\$17.00	\$22.00	\$22.00	\$22.00	\$22.00	\$24.00	\$24.00	\$30.00	
MSW / CD Non-Member (Emergency)	\$35.00	\$35.00	\$35.00	\$37.00	\$37.00	\$37.00	\$37.00	\$37.00	\$37.00	\$43.00	
VT Ash	\$7.00	\$7.00	\$7.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$30.00	
Non-Friable Asbestos	\$54.00	\$54.00	\$54.00	\$54.00	\$54.00	\$54.00	\$54.00	\$54.00	\$54.00	\$57.00	
Clean Wood	\$20.00	\$20.00	\$20.00	\$25.00	\$25.00	\$25.00	\$25.00	\$25.00	\$25.00	\$27.00	
Tires	\$100.00	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00	\$210.00	
White Goods	\$32.00	\$32.00	\$32.00	\$34.00	\$34.00	\$34.00	\$34.00	\$34.00	\$34.00	\$36.00	

- The 2021 Waste Rate model indicated that with an additional 32,000 tons/year waste stream for a period of three years rates could be maintained; however, a significant increase would be required in the 2027-2028 fiscal year.

2022 WASTE RATE STUDY

- **The 2022 Waste Rate Study evaluated two scenarios.**
 - Scenario 1 assumed no changes to the waste stream.
 - Scenario 2 assumed a 30,000 tons/year reduction.

WASTE RATE MODEL – EXPENSES CONSIDERED

- **Operating Expenses**
 - Administration Costs
 - Professional/Contract Services
 - Insurance
 - Support Services
 - Operations
 - Capital Improvement
- **Development and Closure Cost**
- **Equipment Cost**
- **Financial Assurance Cost**

RESEARCH/ANALYSIS PERFORMED

- Analyzed previous 4 years of waste rates, revenues and expenses.
- Evaluated development/closure needs and established future schedule.
- Evaluated equipment needs and established future schedule.
- Evaluated financial assurance requirements to assure compliance with DEQ permits.
- For purposes of this presentation, we analyzed two scenarios which included a baseline analysis (Scenario 1) and the reduction of the waste stream by 30,000 tons/year (Scenario 2).
- Goal of the analysis was to maintain current member rates and minimize any potential increases.

ASSUMPTIONS

- Calculated actual waste stream variation over the last four years and applied weighted averages to each waste stream (member and non-members).
- Assumed construction cost inflation is 6.0% annually as projected by industry experts. This is a 1.0% increase over the rate utilized in 2021 analysis.
- For Development/Closure schedule, an average annual waste stream of 220,000 tons per year and a compaction rate of 1600 lb/cy was utilized.
- Utilized current DEQ financial assurance forms to calculate requirements and necessary funding.
- Utilized 2.5% escalation for operating expenses year over year. No change from 2021 study; however, if inflation remains at record levels escalation will need to be adjusted.
- Average inflation rate for Financial Assurance the last 10 years was 1.7%. In 2021 the rate was 4.6% and the 2022 rate is anticipated to be greater than 4.5%. Assumed 2.0% inflation rate for financial assurance calculations over the next 10 years.
- Any excess revenue is applied to the Reserve Fund.
- Assumed no major regulatory changes in the future that would impact operations. Please note that future PFAS regulations could have significant impacts for the solid waste industry.

WASTE INCREASE/DECREASE CALCULATION

Annual Waste Stream Increase/Decrease and Weighted Average											
Source	Actual	Actual	Actual	Actual	Year	Year	Year	Average	Total Volume (Tons) (18-21)	Percent of Total Waste Stream	Weighted Average
	Tons 18-19	Tons 19-20	Tons 20-21	Tons 21-22	Change 1 to 2	Change 2 to 3	Change 3 to 4	Annual Change			
Pulaski County	54,405	54,690	51,999	53,418	0.52%	-4.92%	2.73%	-0.56%	214,512	29.47%	-0.16%
Town of Dublin	2,999	2,935	2,862	2,185	-2.13%	-2.51%	-23.66%	-9.43%	10,981	1.51%	-0.14%
City of Radford	12,844	12,523	12,268	11,228	-2.50%	-2.03%	-8.48%	-4.34%	48,863	6.71%	-0.29%
Giles County	13,708	14,111	16,187	16,750	2.94%	14.71%	3.48%	7.04%	60,757	8.35%	0.59%
Montgomery County	80,456	84,309	75,694	84,099	4.79%	-10.22%	11.10%	1.89%	324,558	44.59%	0.84%
Floyd County	12,050	12,667	12,997	12,806	5.12%	2.61%	-1.47%	2.09%	50,520	6.94%	0.14%
Wythe/Bland	3,550	4,288	4,817	5,095	20.79%	12.34%	5.77%	12.97%	17,749	2.44%	0.32%

- Please note that the 2021-2022 Pulaski County Waste Stream was adjusted, due to being an outlier, for calculation of the weighted average.

- This was completed to provide reasonable weighted averages. Had the 2021-2022 outlier been included, the Year 3 to 4 change would have been approximately 48%, which would have resulted in a Weighted Average of +4.5% for Pulaski County. A +4.5% annual increase for Pulaski County would result a Pulaski County waste stream of 125,000 tons/year within 10 years.

SCENARIO 1 BASELINE - WASTE RATE SCHEDULE

Scenario 1 - Baseline

Waste Rate Schedule (\$/Ton)

Description	Actual	Actual	Actual	Actual	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29
Gate Rate	\$32.00	\$32.00	\$32.00	\$34.00	\$34.00	\$34.00	\$34.00	\$34.00	\$34.00	\$34.00	\$35.00
Member Rate	-	-	-	\$24.00	\$24.00	\$24.00	\$24.00	\$24.00	\$24.00	\$24.00	\$25.00
POTW Sludge	\$17.00	\$17.00	\$17.00	\$22.00	\$22.00	\$22.00	\$22.00	\$22.00	\$22.00	\$22.00	\$25.00
MSW / CD Non-Member (Emergency)	\$35.00	\$35.00	\$35.00	\$37.00	\$37.00	\$37.00	\$37.00	\$37.00	\$37.00	\$37.00	\$38.00
VT Ash	\$7.00	\$7.00	\$7.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
Non-Friable Asbestos	\$54.00	\$54.00	\$54.00	\$54.00	\$54.00	\$54.00	\$54.00	\$54.00	\$54.00	\$54.00	\$60.00
Clean Wood	\$20.00	\$20.00	\$20.00	\$25.00	\$25.00	\$25.00	\$25.00	\$25.00	\$25.00	\$25.00	\$30.00
Tires	\$100.00	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00	\$210.00
White Goods	\$32.00	\$32.00	\$32.00	\$34.00	\$34.00	\$34.00	\$34.00	\$34.00	\$34.00	\$34.00	\$35.00

- **NRRA increased waste stream from Fiscal Year 2020-2021 to Fiscal Year 2021-2022. Assuming the waste stream is maintained and no major impacts to operations, rates can be maintained.**

SCENARIO 1 BASELINE - REVENUE VS EXPENSES

Scenario 1 - Baseline Revenue vs Expenses

Description	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	22-23	23-24	24-25	25-26	26-27	27-28	28-29
Revenue	\$5,759,440	\$5,776,780	\$5,790,700	\$5,811,620	\$5,848,780	\$5,883,940	\$6,162,450
Expenses	\$5,125,800	\$5,452,200	\$5,641,000	\$5,832,000	\$6,025,300	\$6,270,900	\$6,518,900
Amount Applied from Previous Year	\$698,325	\$1,331,965	\$1,656,545	\$1,806,245	\$1,785,865	\$1,609,345	\$1,222,385
Adjusted Expenses	\$4,427,475	\$4,120,235	\$3,984,455	\$4,025,755	\$4,239,435	\$4,661,555	\$5,296,515
Amount Applied to Proceeding Year	\$1,331,965	\$1,656,545	\$1,806,245	\$1,785,865	\$1,609,345	\$1,222,385	\$865,935

SCENARIO 2 WASTE STREAM REDUCED 30,000 TONS/YEAR - WASTE RATE SCHEDULE

- What are the impacts of a return to fiscal year 2020-2021 waste stream?

Scenario 2 - Waste Stream Reduced 30,000 Tons/Year											
Waste Rate Schedule (\$/Ton)											
Description	Actual	Actual	Actual	Actual	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	18-19	19-20	20-21	21-22	22-23	23-24	24-25	25-26	25-27	27-28	28-29
Gate Rate	\$32.00	\$32.00	\$32.00	\$34.00	\$34.00	\$36.00	\$37.00	\$38.00	\$39.00	\$40.00	\$42.00
Member Rate	-	-	-	\$24.00	\$24.00	\$26.00	\$27.00	\$28.00	\$29.00	\$30.00	\$32.00
POTW Sludge	\$17.00	\$17.00	\$17.00	\$22.00	\$22.00	\$26.00	\$27.00	\$28.00	\$29.00	\$30.00	\$32.00
MSW / CD Non-Member (Emergency)	\$35.00	\$35.00	\$35.00	\$37.00	\$37.00	\$39.00	\$40.00	\$41.00	\$42.00	\$43.00	\$45.00
VT Ash	\$7.00	\$7.00	\$7.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
Non-Friable Asbestos	\$54.00	\$54.00	\$54.00	\$54.00	\$54.00	\$54.00	\$54.00	\$54.00	\$54.00	\$54.00	\$54.00
Clean Wood	\$20.00	\$20.00	\$20.00	\$25.00	\$25.00	\$26.00	\$27.00	\$28.00	\$29.00	\$30.00	\$32.00
Tires	\$100.00	\$200.00	\$200.00	\$200.00	\$200.00	\$220.00	\$225.00	\$230.00	\$235.00	\$235.00	\$240.00
White Goods	\$32.00	\$32.00	\$32.00	\$34.00	\$34.00	\$36.00	\$37.00	\$38.00	\$39.00	\$40.00	\$42.00

SCENARIO 2 WASTE STREAM REDUCED 30,000 TONS/YEAR - REVENUE VS EXPENSES

Scenario 2 - Waste Stream Reduced 30,000 Tons/Year

Description	Revenue vs Expenses						
	Year 0 22-23	Year 1 23-24	Year 2 24-25	Year 3 25-26	Year 4 26-27	Year 5 27-28	Year 6 28-29
Revenue	\$4,959,440	\$5,358,680	\$5,554,160	\$5,758,040	\$5,979,610	\$6,198,950	\$6,604,940
Expenses	\$5,125,800	\$5,452,200	\$5,641,000	\$5,832,000	\$6,025,300	\$6,270,900	\$6,518,900
Amount Applied from Previous Year	\$698,325	\$531,965	\$438,445	\$351,605	\$277,645	\$231,955	\$160,005
Adjusted Expenses	\$4,427,475	\$4,920,235	\$5,202,555	\$5,480,395	\$5,747,655	\$6,038,945	\$6,358,895
Amount Applied to Preceding Year	\$531,965	\$438,445	\$351,605	\$277,645	\$231,955	\$160,005	\$246,045

WASTE RATES FOR OTHER FACILITIES

Waste Rates for Other Facilities

Description	MSW	C&D	Tires	Clean Wood
Roanoke Valley Resource Authority	\$55.00	\$64.50	\$255.00	\$36.00
Blue Ridge Resource Authority	\$59.50	\$61.50	\$186.00	\$20.00
Bristol Virginia Landfill	-	-	-	-
South Eastern Public Service Authority	\$76.00	\$55.00	\$145.00	\$55.00
Northern Shenandoah Planning District	\$54.00	\$63.00	\$1-\$10 each	\$36.00
Fredrick County	\$52.00	\$47.00	\$200.00	\$52.00
Region 2000 Service Authority	\$40.25	\$40.25	\$2-\$4 each	\$40.25
Carroll-Grayson-Galax SWA	\$55.00	\$55.00	\$100.00	\$55.00
Average	\$55.96	\$55.18	\$177.20	\$42.04

- The Environmental Research & Foundation (EREF) maintains a database of 400+ MSW landfills across the United States and publishes an annual report on waste rates based on annual tonnage accepted. The 2021 EREF annual report included the following:

 - National Average Rate: \$54.03 w/ year-over-year change of +0.6%
 - National Average Rate for Medium Landfills (65-390K Tons/Year): \$50.18
 - Northeast Average Rate: \$69.64 w/ year-over-year change of +1.40%
 - Virginia Average Rate: \$49.63 with a +/- \$12.69 deviation due to lack of respondents

- MSW YEAR-OVER-YEAR CHANGE = +8.8%
- C&D YEAR-YEAR CHANGE = +5.4%
- TIRES YEAR-OVER-YEAR CHANGE = +25.6%

RECOMMENDATIONS

- **NRRA needs to maintain current waste stream volumes.**
- **NRRA needs to continue to identify and evaluate potential sources for increasing the waste stream. Ideally the Authority should strive to maintain a waste stream of 225,000-250,000 tons/year.**
- **NRRA should continue applying excess revenue to reserve fund to maintain rates.**
- **NRRA should establish a universal rate for MSW/CD/POTW Sludge with no differentiation.**
- **Rates should be examined on a quarterly basis with the budget committee utilizing the model to include waste stream and expense data as available after quarterly volume surveys.**
- **The overall goal should be to maintain competitive and fair rates while maintaining solvency for the Authority.**

**NRRA
PUBLIC COMMENT
REGISTRATION
OCTOBER 26, 2022**

Please register below if you wish to speak during the “Public Comment” portion of the Agenda. Speakers are limited to five minutes.

NAME: ADDRESS: PHONE OR EMAIL:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

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