

**ULSTER COUNTY RESOURCE RECOVERY AGENCY
REGULAR BOARD MEETING AGENDA
AUGUST 23, 2021 AT 12:00PM**

Held at Agency’s Administrative Office, 999 Flatbush Rd, Kingston, NY 12401

For audio only: Dial 1-408-418-9388, Meeting ID 132 972 7541, password 1234# (or 12340 alternatively)

ROLL CALL

Board Members

Katherine Beinkafner _____
JoAnne Myers _____
Charles Landi _____
Lisa Mitten _____
Tom Kacandes _____

Agency Staff

Kenneth Gilligan _____
Timothy DeGraff _____
Charlie Whittaker _____
Angelina Peone _____
Melinda France _____
Brenna Whitaker _____
Larry Ricci _____

PLEDGE OF ALLEGIANCE

PUBLIC COMMENT

CHAIR’S COMMENTS

APPROVAL OF MINUTES

- Minutes of the July 26, 2021 Regular Board Meeting

COMMUNICATIONS & ANNOUNCEMENTS

- The next Regular Board Meeting is scheduled for September 27, 2021 at 12:00pm
- Public Hearing regarding the 2022 Budget is scheduled for Monday, October 4th, 2020 at 12:00pm

GENERAL REPORTS

- Recycling Outreach Team Program Update
- MSW Tonnage Report
- Recycling Tonnage Report

FINANCIAL MATTERS

- Treasurer’s Report
- MRF Cost Center Analysis

ADMINISTRATIVE MATTERS

- Resolution #2540 RE: Authorization of Draft 2022 Agency Budget
- Resolution #2541 RE: Approving the 2022 Draft Agency Capital Plan
- Resolution #2542 RE: Authorizing and Approving the Draft Fee Schedule for 2022 Tipping Fees and Other Charges
- Resolution #2543 RE: Procurement of Internal Audit Services
- Resolution #2544 RE: Approving Amendment to the Personnel Manual
- Resolution #2545 RE: Approving Compost Sales Policy
- Resolution #2546 RE: Approving Proposal by HydroQuest

OLD BUSINESS

NEW BUSINESS

- KASL (300 Tons) Compost
- Vaccination Requirements

ADJOURN

Motion to adjourn the August 23, 2021 Regular Board Meeting was made by _____ and seconded by _____.

Vote: Ayes: _____ Nays: _____ Absent: _____

Time: _____

**ULSTER COUNTY RESOURCE RECOVERY AGENCY
MINUTES OF THE REGULAR BOARD MEETING
JULY 26, 2021**

The Ulster County Resource Recovery Agency held a Regular Board Meeting on July 26, 2021. This meeting was held in person. There was also a call-in audio option available through Webex.

The proceedings were convened at 12:14 pm.

The following Board members were present: Chair Katherine Beinkafner; Vice Chair JoAnne Myers (through WebEx); Treasurer Charles Landi; Board Member Thomas Kacandes. Board Member Lisa Mitten was absent.

Also present were: Counsel/Secretary Kenneth Gilligan (through WebEx), Executive Director/Controller Tim DeGraff, Director of Operations and Compliance Charlie Whittaker, Director of Sustainability Angelina Peone, Recycling Educator Melinda France and Compliance Officer Larry Ricci.

From the public: Alicia DeMarco, Deputy Comptroller from the Ulster County Comptroller's Office and Jared Keplinger.

PLEDGE OF ALLEGIANCE

PUBLIC COMMENT

No Comment

CHAIR'S COMMENTS

Katherine Beinkafner, Chair stated that the GIS proposal for landfill siting was received from Paul Rubin. The GIS proposal was discussed under New Business of the meeting.

APPROVAL OF MINUTES

Charles Landi motioned to approve the minutes of the **June 28, 2021 Regular Board Meeting** seconded by Tom Kacandes. **VOTE:** 4 Ayes, 0 Opposed, 1 Absent (MITTEN). The motion passed.

COMMUNICATIONS AND ANNOUNCEMENTS

A Regular Board Meeting will be held on Monday, August 23, 2021 at 12:00 PM.

This meeting will be held in person at the Agency's Administrative Office.

RECYCLING OUTREACH TEAM PROGRAM UPDATE

Angelina Peone presented the program update.

The Recycling Outreach Team continues to work on the Zero Waste Seminar Project. There are two more classes: "Small Plastics, Big Impact: How Plastics are Impacting our Local Waterways" which is scheduled for Monday, July 26th at 6:00pm and "Reuse It, Re-Gift it, Repair it!" scheduled for Wednesday, July 28th at 3:30pm. Sixty-one people have already logged in and participated in the seminars and sixty-

five participants signed up for the last two webinars. Angelina shared the survey results to the Board from some participants' responses. Some of the survey questions (pre and post surveys) and results were:

- What pollution prevention strategies or actions do you pledge to do?
 - **COMMENTS**
 - “Look for replacements for products that come in plastic containers and look for opportunities to use refillable containers.”
 - “Send a communication each week to a company/organization/brand that I buy products from to suggest plastic alternatives.”
 - “Consume fewer products that contain single use plastic.”
 - “Try to buy less over-packaged stuff.”
 - “No more clamshells.”
 - “I will be even more careful about what I purchase, to ensure that items can be repaired for a long life, and then reused, or recycled.”
 - “Use materials other than plastic whenever possible.”
- Participants were ask to share any other comments with us!
 - **RESULTS**
 - “Great information!”
 - “Fantastic presentation!”
 - “We need to spread the word.”
 - “The information very well presented.”
 - “I would like to see this taught in schools.”
 - “Thanks for having this program.”
- Do you feel plastic pollution is an environmental problem? and Do you feel plastic pollution is a social problem?
 - **RESULTS**
 - The awareness increased from the pre and post surveys.

Panelist for the Plastic Free July webinars series included Alex Bolotow from Woodstock Bring your Own; Jen Benson from Riverkeeper; Andrea Varga and Roy Ludwig from SUNY New Paltz; Elizabeth Knight, Co-Author of “Repair Revolution”; Kevin Treutler from the Habitat for Humanity; Supervisor Neil Bettez of the Town of New Paltz Reuse Center; and Christine Hein of People’s Place.

The Recycling Outreach Team are preparing for the household hazardous waste event which is scheduled for August 21, 2021.

GENERAL REPORTS

MSW and Recycling Tonnage Reports were provided in the Board packet. Tim DeGraff stated that the MSW tonnage is over budget and sludge is under budget. The sludge has decreased this year due to all the grit and rags being pulled out of the sludge that is being sent to Rockland County. It wasn’t known about the pulling out of rags and grit until after the budget was done. Tim stated “Things are good”.

Recycling tonnage report Tim DeGraff pointed out that food waste was 356 tons and has increased due to Organix bringing in more loads.

The Board and staff discussed the food waste law and how an Administrative Law Judge would be beneficial with helping administer fees to violators of the laws. Charlie Whittaker stated the Agency is

prepared to handle the extra food waste when the law goes in full effect. Larry Ricci, Compliance Officer, added that he has done 30 odor inspections and there has been no odors detected. He did state that after the meeting with the Town of Ulster the NYSDEC did receive an anonymous generic complaint which had no findings. The Board and staff discussed the Whittier Sewer Plant and its odors.

FINANCIAL MATTERS

Tim DeGraff presented the June 2021 Treasurer's Reports and MRF Cost Center Analysis.

Treasurer's Report

For the month of June the Agency's MSW tons were 9,906 and C&D tons were 3,504. No Revenue or Expense line items of note. Total revenue for the month was \$1,619,505. Total operating expenses for the month were \$1,328,420. Net operating revenue was \$291,085. For the month of June, the fund balance was \$291,085. Year-to-date deficit of \$504,142.

Charles Landi motioned to approve the June 2021 Treasurer's Report seconded by Tom Kacandes. **VOTE:** 4 Ayes, 0 Opposed, 1 Absent (MITTEN).

MRF Cost Center Analysis

For the month of June, the total sale of recyclables were \$39,441. Fiber was the only recyclable sold for the month. Total transport/disposal costs for June were \$5,537. Net revenue of \$33,904. Total personnel expenses were \$34,787. Total operating expenses were \$3,378. Total personnel/operating costs were \$38,165. Net loss for the month of \$4,261. Year-to-date net income of \$27,221.

Charlie Whittaker discussed the markets and the prices for the month for recyclables.

ADMINISTRATIVE MATTERS

OLD BUSINESS

Timothy DeGraff and Angelina Peone provided the Board an update of the Stony Brook University study that is being conducted. The study is being conducted one week over the summer for the next five years. Stony Brook University team and Dr. David Tonjes, Project Director was on site this month (July 13th-17th) conducting the Waste Data and Analysis research project which is sponsored by the NYSDEC through the Environmental Protection Fund. The Waste Data and Analysis Center is led by faculty researchers in the Department of Technology and Society within the College of Engineering and Applied Sciences and the center also supports multiple graduate and undergraduate student researchers. The goals of the research project is to better understand the generations, composition and management of solid wastes in NYS. UCRRA is participating in the research study, alongside Town of Brookhaven, Town of Islip, Oneida-Herkimer Solid Waste Authority, Delaware County and more. The team examined several samples of municipal solid wastes delivered by various public and private waste collection programs, as well as some dual stream recycling samples. The team sorted and characterized the samples into over 40+ categories. The team was at Ulster Transfer Station for four days and one day at New Paltz Transfer Station. There are not results at this time. Angelina Peone added that the Stony Brook Team were very professional. This study will give the Agency the opportunity and the information will be useful for future solid waste planning purposes. The study will help evaluate trends in disposal, the efficacy of recycling programs and other goals. The waste will only be sampled during the summer.

Tim DeGraff stated that the Agency was invited to the Town of Ulster Board Meeting on July 15, 2021 to provide a presentation regarding the compost operations. The Agency answered any questions that the Town Board, Town Council or constituents had. Tim stated the meeting went well. The Town of Ulster Board and constituents asked the Agency to provide a formal complaint response and if any development on the adjoining property happens to include the Town of Ulster in the planning. In response to the request for complaint response, Tim stated Angelina is preparing an educational EDDM (Every Door Direct Mailing) to the community regarding the compost program, benefits of composting, food waste and who to contact with questions/concerns.

Charles Landi brought up an article that Tom Kacandes shared regarding EPR (Extended Producer Responsibility). The Board and staff discussed what EPR is, how it works, and the Maine Law that just passed. The Board and staff agreed that is something that the Agency should stay informed about.

Charles Landi advised the Board that the Authority Budget's Office has scheduled three webinars for the month of August with respect to board member training.

NEW BUSINESS

Katherine Beinkafner, Chair provided the Board and staff with the proposed GIS study and map prepared by Paul Rubin of HydroQuest. The Board and staff discussed the proposal. The Board would like to revise the 100 acres to 200 acres which would provide more possible sites. JoAnne Myers wanted to make sure environmental justice areas are integrated in the proposal and is clearly stated throughout the proposal. Katherine Beinkafner and JoAnne Myers will meet with Paul Rubin to revise the proposed GIS study.

EXECUTIVE SESSION

Charles Landi motioned to **ENTER** into Executive Session and seconded by Tom Kacandes at 1:05pm. **VOTE:** 4 Ayes, 0 Opposed, 1 Absent (MITTEN). The motion passed 4-0-1 Absent (MITTEN).

Motion to **EXIT** Executive Session by **Tom Kacandes**. Seconded by **Charles Landi**. **VOTE:** 4 Ayes, 0 Opposed, 1 Absent (MITTEN). The motion passed 4-0-1 Absent (MITTEN).

Katherine Beinkafner proposed that the Board vote on the approval of the Stipulation of Voluntary Dismissal Pursuant to FRCP 41(A)1(A)(ii), case number 1:21-cv-161. **JoAnne Myers** motioned to vote on the approval of the Stipulation of Voluntary Dismissal Pursuant to FRCP 41(A)1(A)(ii), case number 1:21-cv-161 and it was seconded by **Tom Kacandes**.

Roll Call Vote

Beinkafner: Aye

Myers: Aye

Landi: Aye

Mitten: Absent

Kacandes: Aye

The motion passed 4-0-1 absent (MITTEN).

ADMINISTRATIVE MATTERS

Resolution #2539 Re: Approving Collective Bargaining Agreement Between the Ulster County Resource Recovery Agency and Local 445, International Brotherhood of Teamsters

Katherine Beinkafner presented the proposed Collective Bargaining Agreement with Local 445 Teamsters and the Agency. The agreement is from January 1, 2021 to December 31, 2025.

Tom Kacandes motioned to approve **Resolution #2539 Re: Approving Collective Bargaining Agreement Between the Ulster County Resource Recovery Agency and Local 445, International Brotherhood of Teamsters** and seconded by JoAnne Myers.

Roll Call Vote

Beinkafner: Aye

Myers: Aye

Landi: Aye

Mitten: Absent

Kacandes: Aye

The motion passed 4-0-1 absent (MITTEN)

ADJOURN

Charles Landi motioned to ADJOURN the July 26, 2021, Regular Board Meeting at 1:29pm and it was seconded by **Tom Kacandes**.

VOTE: Ayes: 4; Nays: 0; Absent: 1 (MITTEN)

August 23, 2021

Motion to approve the above transcribed Minutes of the July 26, 2021 Regular Board Meeting was made by _____, moved by _____ . in favor, opposed, absent

The minutes were approved by the Board.

Transcribed by: Melinda France, Recycling Educator. Meetings are recorded and available at www.ucrra.org/about-us/board-of-directors-meetings-minutes/.

Signatures:

Katherine Beinkafner, Chair

Ken Gilligan, Secretary

Melinda France, Recycling Educator

August 2021 Recycling Program Update

TASK	UPDATE	
MEDIA ANNOUNCEMENTS	Social Media	About UCRRA Back-To-School Sustainability messaging
	Print	About UCRRA mission, history, services, FAQ
	Radio	<i>None this month</i>
	Other	<ul style="list-style-type: none"> • 08/11 newsletter sent to 3,706 subscribers. Newsletter is viewable online at https://mailchi.mp/cf4c7ef4ed04/what-is-ucrra-get-to-know-us • New blog post added to website, viewable online at https://ucrra.org/get-to-know-us-at-ucrra/ • Google Analytics: 22,653 total searches, 6,865 direct searches, 905 users visited the UCRRA website (last 30 days) •
OUTREACH EDUCATION	Public Presentations	<i>None this month</i>
	Facility Tours	<ul style="list-style-type: none"> • 08/18 Tour for prospective Recycling Oversight Committee member
	Events	<ul style="list-style-type: none"> • UCRRA educational media was distributed at the Ulster County Fair Climate Solutions Booth
	Other	<ul style="list-style-type: none"> • Distributing Zero Waste Kits – per the Plastic Free July Zero Waste Seminar Project • Updating recycling team promotional items (custom imprinted reusable bottles, reusable mugs, reusable produce bags, etc.)
COMPOST	<ul style="list-style-type: none"> • Developing Compost Program mailers for EDDM initiative. (UCRRA Organics Recovery Facility and the Benefits of Compost) 	
REPORTS	<ul style="list-style-type: none"> • 2022 Municipal Waste Reduction and Recycling Grant Program (MWRR) for Recycling Coordination, Education, Planning and Promotion Projects 	
MISCELLANEOUS	August 21 st Household Hazardous Waste Collection Event in New Paltz	

	2021 TARGET TONS	2021 TONNAGE IN	VARIANCE	SENECA MEADOWS	We Care Denali Chemung Landfill	TONS DIVERTED	
						ACTUAL	%
JANUARY							
MSW	9,362	9,922	560	9,901		58	
SLUDGE	253	245	-8		248		
FEBRUARY							
MSW	8,523	8,191	-332	7,780		293	
SLUDGE	282	183	-99		195		
MARCH							
MSW	10,539	11,827	1,288	10,947		68	
SLUDGE	268	333	65		358		
APRIL							
MSW	9,713	12,843	3,130	13,137		80	
SLUDGE	330	292	-38		277		
MAY							
MSW	10,916	12,271	1,355	11,867		80	
SLUDGE	310	235	-75		208		
JUNE							
MSW	11,822	13,410	1,588	13,533		69	
SLUDGE	312	266	-46		310		
JULY							
MSW	12,133	13,619	1,486	13,280		46	
SLUDGE	329	274	-55		241		
AUGUST							
MSW			0				
SLUDGE			0				
SEPTEMBER							
MSW			0				
SLUDGE			0				
OCTOBER							
MSW			0				
SLUDGE			0				
NOVEMBER							
MSW			0				
SLUDGE			0				
DECEMBER							
MSW			0				
SLUDGE			0				
YTD							
MSW	73,008	82,083	9,075	80,445		694	
SLUDGE	2,084	1,828	-256		1,837		

Recycling Tonnage Report

	COMM	GLASS	MIXED	Kingston	SINGLE	OCC	Brush	Foodwaste	SCRAP	Cleanwood/Rubble	EWASTE	WOODCHIPS	TOTAL
			NEWS	City Mix	STREAM								
JANUARY	132.4	40.6	76.77	85.03	0	214.67	9.26	244.88	0	477.56	6.4	126.09	1413.66
FEBRUARY	113.11	68.58	86.86	70.16	0	181.68	0.4	103.08	0	264.45	2.89	0	891.21
MARCH	148.72	51.77	96.94	85.55	0	222.25	50.66	161.79	0	74.66	10.01	56.62	958.97
APRIL	134.96	48.28	105.91	84.01	0	225.75	140.68	213.88	0	33.7	27.11	98.12	1112.4
MAY	115.3	22.24	101.04	86.76	0	203.78	112.72	228.56	0	35.32	19.49	765.93	1691.14
JUNE	131.19	56.85	99.15	116.17	0	242.26	64.46	356.28	0	27.92	17.69	0	1111.97
JULY	133.05	58.56	110.76	95.61	0	226.89	95.54	572.5	0	29.47	7.37	0	1329.75
AUGUST													0
SEPT.													0
OCT.													0
NOV.													0
DEC.													0
TOTAL 2021	908.73	346.88	677.43	623.29	0	1517.28	473.72	1880.97	0	943.08	90.96	1046.76	8509.1
	COMM	GLASS	MIXED	Kingston	SINGLE	OCC	Brush	Foodwaste	SCRAP	Cleanwood/Rubble	EWASTE	WOODCHIPS	TOTAL
			NEWS	City Mix	STREAM								
JANUARY	106.32	58.16	95.03	97.08	0	183.79	9.15	530.15	0	15.9	13.97	0	1109.55
FEBRUARY	96.46	25.82	79.81	66.69	0	168.72	6.72	542.05	0	8.89	25.8	0	1020.96
MARCH	122.44	61.33	102.9	65.44	0	201.35	48.04	382.56	0	14.83	2.91	0	1001.8
APRIL	137.35	53.19	82.72	71.94	0	187.54	86.37	241.4	0	15.2	26.77	119.43	1021.91
MAY	164.02	72.1	102.13	71.36	0	203.37	76.26	297.1	0	34.72	10.31	578.61	1609.98
JUNE	149.14	52.56	92.03	99.74	0	226.91	103.54	405.58	0	26.65	23.94	645.9	1825.99
JULY	133.65	88.33	103.85	97.93	0	229.34	70.44	474.63	0	378.53	17.02	2.53	1596.25
AUGUST	134.51	55.09	85.73	86.8	0	207.04	118.33	455.78	0	42.88	16.71	34.22	1237.09
SEPT.	150.70	54.84	117.08	76.12	0	234.79	53.17	413.30	0	47.38	31.43	205.71	1384.52
OCT.	122.39	56.96	90.83	80.62	0	235.16	32.95	350.22	0	557.08	3.59	139.9	1669.7
NOV.	128.03	47.77	124.83	92.06	0	222.73	88.31	274.93	0	9.99	47.72	13.11	1049.48
DEC.	135.76	71.78	112.53	121.4	0	237.94	62.65	304.35	0	20.07	33.87	10.9	1111.25
TOTAL 2020	1580.77	697.93	1189.47	1027.18	0	2538.68	755.93	4672.05	0	1172.12	254.04	1750.31	15638.48

Recycling Tonnage Report

	COMM	GLASS	MIXED	Kingston	SINGLE	OCC	Brush	Foodwaste	SCRAP	Cleanwood/Rubble	EWASTE	WOODCHIPS	TOTAL
			NEWS	City Mix	STREAM								
Total 2019	1168.52	545.39	1330.37	603.87	446.13	2080.82	435.48	4620.65	2.22	389.91	303.71	2200.23	14127.3
TOTAL 2018	525.83	496.32	1050.88		6422.74	1552.94	458.79	3536.65	36.58	116.96	304.05	1168.85	15670.59
TOTAL 2017	544.55	498.9	1111.77		7622.94	1422.4	329.58	3046.69	17.22		329.32	1921.46	16844.83
	COMM	GLASS	MIXED		SINGLE	OCC	Brush	Foodwaste			SCRAP	WOODCHIPS	TOTAL
			NEWS		STREAM								
TOTAL 2016	515.05	415.54	1094.33		9028.87	1273.4	262.45	1275.88	0		295.63	701.28	14862.43
TOTAL 2015	611.55	555.36	1413.19		9097.69	1303.8	257.41	670.27	0		251	1057.47	15217.74
TOTAL 2014	695.92	592.29	1568.52		5945.8	2324.1	177.57	239.29	0		0	286.79	11830.32
Total 2013	1574.8	582.96	1876.03		4727.53	3088	144.06	448.15	0		0	859.92	13301.41
TOTAL 2012	1584.75	574.27	2269.43		4340.87	3493.17	75.55	36.2	0		1483.71	185.55	12559.79
TOTAL 2011	4038.7	605.49	2958.75		5848.03	3997.8	0	0	0		0	0	17448.73
TOTAL 2010	4448.6	691.67	5119.65		2523.61	4220.4	0	0	0		0	0	17003.96
TOTAL 2009	5231.83	653.47	5914.85		0	5072.08	0	0	0		0	0	16872.23
TOTAL 2008	5359.74	642.55	6720.41		0	5596.01	0	0	0		8.77	0	18327.5
TOTAL 2007	5543.05	206.67	7007.79		0	6127.95	0	0	0		41.36	0	18926.82
	COMM	GLASS	MIXED		SSR	OCC	PLASTIC	TIN			SCRAP	WMM	
TOTAL 2006	5903.65	0	3525.49		1779.19	6132.83	0	0			148.47	1087.5	18577.13
TOTAL 2005	5444.1	0	2903.61		1811.85	6106.04	0	0			61.99	1128.94	17456.53
TOTAL 2004	5276.89	0	3045.36		1823.93	5901.88	0	0			69.2	1062.37	17179.63
TOTAL 2003	6512.99	0	2919.46		1881.03	5915.55	0	0			51.6	1229.92	18510.55
TOTAL 2002	3499.96	752.53	3219.73		1852.36	5354.55	210.14	259.67			42.98	1358.13	16550.05
TOTAL 2001	2126.16	942.48	2629.82		2021.77	5030.53	303.77	378.18			90.81	1304.31	14827.83
TOTAL 2000	108.32	993.37	146.57		2001.96	2632.05	305.65	469.11			0	1392.47	8049.5
TOTAL 1999	2.12	1080.08	0		2298.71	1803.89	312.32	445.7			0	1187.91	7130.73
TOTAL 1998	9.44	1250.09	0		2419.51	1662.13	301.55	457.96			0	968.1	7068.78
TOTAL 1997	6.3	1149.88	14.39		2976.83	1619.88	297.77	507.71			0	699.65	7272.41
TOTAL 1996	34.69	1354.28	3.83		2622.6	1487.72	291.47	543.3			0	567.16	6905.05
TOTAL 1995	151.86	1638.63	30.6		1768.27	595.47	284.3	559.21			0	366.48	5394.82
TOTAL 1994	63.78	2478.59	12.8		3693.85	960.91	550.04	926.67			0	278.78	8965.42

UCRRA - 2021 MONTHLY TREASURER'S REPORT

	2021 BUDGET	JAN	FEB	MAR	APR	MAY	JUN	JUL	2021 Y-T-D	2020 Y-T-D	2021/2020 VARIANCE
TONS:											
MSW TONS	99,750	7,321	6,483	8,574	8,723	8,080	9,906	10,070	59,157	55,761	3,396
C&D TONS	33,250	2,601	1,708	3,253	4,120	4,191	3,504	3,549	22,926	21,238	1,688
SLUDGE TONS	3,600	245	183	333	292	235	266	274	1,828	2,067	(239)
REVENUES:											
MSW TIPPING FEE	\$ 13,965,000	\$ 996,106	\$ 832,560	\$ 1,249,833	\$ 1,354,496	\$ 1,297,886	\$ 1,415,255	\$ 1,438,702	8,584,838	8,112,407	472,431
SLUDGE TIPPING FEE	\$ 378,000	\$ 25,719	\$ 19,167	\$ 34,950	\$ 30,629	\$ 24,629	\$ 27,925	\$ 28,815	191,834	216,911	(25,077)
COMPOST TIPPING FEE/SALES	\$ 300,000	\$ 5,264	\$ 2,078	\$ 12,003	\$ 21,458	\$ 17,674	\$ 13,751	\$ 16,521	88,749	144,827	(56,078)
LEACHATE HAULING/BOX RENTAL	\$ 48,808	\$ 3,003	\$ 3,003	\$ 5,343	\$ 3,783	\$ 3,003	\$ 3,003	\$ 3,133	24,271	27,708	(3,437)
FUEL SURCHARGE	\$ 573,720	\$ 30,987	\$ 27,928	\$ 48,734	\$ 59,504	\$ 60,237	\$ 69,073	\$ 73,961	370,424	278,130	92,294
PULL CHARGES	\$ 248,976	\$ 19,838	\$ 16,107	\$ 21,840	\$ 23,933	\$ 21,567	\$ 23,842	\$ 22,841	149,968	152,516	(2,548)
RECYCLING SERVICE FEES	\$ 184,000	\$ 12,726	\$ 7,320	\$ 17,715	\$ 17,368	\$ 17,856	\$ 15,286	\$ 16,088	104,359	63,331	41,028
SALES OF RECYCLABLES	\$ 326,000	\$ 33,104	\$ 71,898	\$ 39,159	\$ 73,192	\$ 122,042	\$ 49,693	\$ 59,482	448,570	232,225	216,345
MISC. REVENUES	\$ 229,000	\$ 26,543	\$ 2,960	\$ 3,467	\$ 1,939	\$ 21,482	\$ 1,677	\$ 1,355	59,423	92,998	(33,575)
HHW/MWRR/FSR GRANTS	\$ 167,000	\$ -	\$ -	\$ 57,907	\$ -	\$ -	\$ -	\$ -	57,907	34,759	23,148
TOTAL REVENUES	\$ 16,420,504	\$ 1,153,290	\$ 983,021	\$ 1,490,951	\$ 1,586,302	\$ 1,586,376	\$ 1,619,505	\$ 1,660,898	10,080,343	9,355,812	724,531

	2021 BUDGET	JAN	FEB	MAR	APR	MAY	JUN	JUL	2021 Y-T-D	2020 Y-T-D	2021/2020 VARIANCE
EXPENSES:											
PERSONNEL	\$ 3,242,625	\$ 158,314	\$ 228,838	\$ 226,036	\$ 329,517	\$ 245,306	\$ 251,300	\$ 247,018	1,686,329	1,700,864	14,535
ADMINISTRATION EXPENSE	\$ 330,417	\$ 25,495	\$ 30,029	\$ 35,108	\$ 27,346	\$ 31,210	\$ 28,006	\$ 54,390	231,584	276,241	44,657
RECYCLING EDUCATION	\$ 54,300	\$ -	\$ 369	\$ 5,991	\$ 3,308	\$ 3,955	\$ 7,096	\$ 20,085	(1)	40,804	19,287
INSURANCE	\$ 272,317	\$ 23,139	\$ 23,139	\$ 23,443	\$ 23,193	\$ 23,730	\$ 23,489	\$ 24,611	164,744	150,604	(14,140)
FACILITIES O&M EXPENSE											
MRF OPERATIONS	\$ 96,500	\$ 10,121	\$ 3,692	\$ 9,412	\$ 7,606	\$ 11,275	\$ 2,812	\$ 6,356	51,274	63,479	12,205
TRANSFER STATIONS	\$ 137,300	\$ 3,722	\$ 27,148	\$ 14,027	\$ 9,043	\$ 13,433	\$ 8,788	\$ 21,525	97,686	62,230	(35,456)
VEHICLE MAINTENANCE FACILITY	\$ 82,000	\$ 5,291	\$ 9,167	\$ 4,374	\$ 7,147	\$ 5,322	\$ 6,923	\$ 11,309	49,533	87,168	37,635
COMPOSTING OPERATIONS	\$ 75,000	\$ 881	\$ 8,086	\$ 1,099	\$ 15,974	\$ 2,238	\$ 1,904	\$ 1,091	31,273	35,135	3,862
HHW CLEANUP DAY	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 30,441	\$ -	\$ 28,546	(5)	58,987	(58,987)
TRANSPORTATION SYSTEM	\$ 65,000	\$ 6,236	\$ 4,699	\$ 5,963	\$ 6,170	\$ 9,574	\$ 5,891	\$ 5,876	44,409	34,568	(9,841)
VEHICLE & EQUIP. MAINT.	\$ 195,000	\$ 7,566	\$ 15,704	\$ 16,793	\$ 10,046	\$ 12,736	\$ 2,197	\$ 16,112	81,154	143,735	62,581
FUEL REPLENISHMENT PROGRAM	\$ 699,122	\$ 43,237	\$ 40,705	\$ 62,921	\$ 67,349	\$ 66,205	\$ 79,085	\$ 73,261	432,763	292,868	(139,895)
MSW HAULING PRIVATE CONTRACTS	\$ 4,895,569	\$ 366,084	\$ 287,776	\$ 405,376	\$ 486,181	\$ 439,487	\$ 500,987	\$ 492,375	2,978,266	2,732,047	(246,219)
SOLID WASTE DISPOSAL COSTS	\$ 3,357,664	\$ 251,080	\$ 197,296	\$ 277,616	\$ 333,162	\$ 300,947	\$ 343,206	\$ 336,784	2,040,101	1,832,629	(207,472)
RECYCLING DISPOSAL COSTS	\$ 84,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	43,621	43,621
OTHER DISPOSAL COSTS	\$ 24,000	\$ 1,093	\$ 1,665	\$ 1,975	\$ 2,874	\$ 2,834	\$ 4,172	\$ 1,864	16,477	16,435	(42)
SLUDGE DISPOSAL & TRANSPORT	\$ 342,000	\$ 23,868	\$ 18,914	\$ 34,690	\$ 26,913	\$ 22,725	\$ 30,088	\$ 25,967	183,165	145,768	(37,397)
CLF MONITORING & MAINTENANCE	\$ 32,000	\$ 6,302	\$ 704	\$ 422	\$ 507	\$ 869	\$ 571	\$ (14)	9,361	32,700	23,339
LEACHATE DISPOSAL	\$ 165,000	\$ 15,125	\$ 13,215	\$ 18,178	\$ 23,967	\$ 13,850	\$ 4,020	\$ 13,795	102,150	169,801	67,651
HCB PAYMENTS	\$ 246,917	\$ 19,192	\$ 11,493	\$ 19,727	\$ 27,239	\$ 28,046	\$ 27,885	\$ 28,917	162,499	135,397	(27,102)
TOTAL OPERATING EXPENSES	\$ 14,546,731	\$ 966,756	\$ 922,639	\$ 1,163,151	\$ 1,407,542	\$ 1,264,183	\$ 1,328,420	\$ 1,409,868	8,462,559	7,974,577	(487,982)
NET OPERATING REVENUES	\$ 1,873,773	\$ 186,534	\$ 60,382	\$ 327,800	\$ 178,760	\$ 322,193	\$ 291,085	\$ 251,030	1,617,784	\$ 1,381,235	236,549
OP RESERVE TRANSFERS	\$ 146,227	\$ -	\$ -	\$ 146,227	\$ -	\$ -	\$ -	\$ -	146,227	323,475	(177,248)
CAPITAL OUTLAY	\$ 230,000	\$ 63,958	\$ -	\$ 81,433	\$ 56,410	\$ 25,322	\$ -	\$ 26,789	253,912	1,668,212	1,414,300
NET SERVICE FEES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
DEBT SERVICE PAYMENTS	\$ 1,790,000	\$ -	\$ 1,790,000	\$ -	\$ -	\$ -	\$ -	\$ -	1,790,000	1,790,000	-
FUND BALANCE	\$ -	\$ 122,576	\$ (1,729,618)	\$ 392,594	\$ 122,350	\$ 296,871	\$ 291,085	\$ 224,241	(279,901)	(1,753,502)	1,473,601

(1) Legal fees \$26,053
 (2) P21 grant \$3,316; FSR grant \$12,237
 (3) NPTS drain repairs \$2,750; UTS concrete traffic barriers \$7,140
 (4) Stormwater outfall site work \$6,904
 (5) June HHW event
 (6) Recycling/sustainability ed & compost bagger building

UCRRA
MRF COST CENTER ANALYSIS
2021

	MONTHLY AVERAGE 2020	JULY 2020	JANUARY 2021	FEBRUARY 2021	MARCH 2021	APRIL 2021	MAY 2021	JUNE 2021	JULY 2021	TOTAL 2021
REVENUES										
RECYCLING SERVICE FEES										
TIPPING FEES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SALES OF RECYCLABLES										
RESIDENTIAL MIXED NEWS	\$ 1,829	\$ 3,136	\$ 4,683	\$ 4,707	\$ 7,726	\$ 11,820	\$ 9,544	\$ 14,135	\$ 8,204	\$ 60,819
OCC	\$ 12,539	\$ 12,703	\$ 19,496	\$ 16,481	\$ 21,704	\$ 25,814	\$ 21,745	\$ 25,306	\$ 32,795	\$ 163,341
GLASS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PLASTIC	\$ 11,861	\$ 24,924	\$ 2,867	\$ 42,594	\$ -	\$ 24,934	\$ 47,399	\$ -	\$ 11,227	\$ 129,021
TIN CANS	\$ 2,776	\$ -	\$ -	\$ 4,394	\$ 289	\$ -	\$ 9,096	\$ -	\$ -	\$ 13,779
ALUMINUM	\$ 2,197	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,025	\$ -	\$ -	\$ 24,025
RETURNABLE DEPOSIT CONTAINERS	\$ 771	\$ 638	\$ -	\$ -	\$ -	\$ 175	\$ -	\$ -	\$ 95	\$ 270
SINGLE STREAM RECYCLING	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL SALES OF RECYCLABLES	\$ 31,973	\$ 41,401	\$ 27,046	\$ 68,176	\$ 29,719	\$ 62,743	\$ 111,809	\$ 39,441	\$ 52,321	\$ 391,255
TOTAL REVENUES	\$ 31,973	\$ 41,401	\$ 27,046	\$ 68,176	\$ 29,719	\$ 62,743	\$ 111,809	\$ 39,441	\$ 52,321	\$ 391,255
TRANSPORTATION & DISPOSAL COSTS										
MRF MSW/MRF GLASS	\$ 5,479	\$ 6,031	\$ 5,513	\$ 4,171	\$ 4,970	\$ 5,829	\$ 3,536	\$ 5,537	\$ 5,107	\$ 34,663
SSR/GLASS/OTHER DISPOSAL	\$ 1,689	\$ 7,935	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
HARDMIX/NEWS DISPOSAL	\$ 2,006	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL TRANSPORT/DISPOSAL COSTS	\$ 9,174	\$ 13,966	\$ 5,513	\$ 4,171	\$ 4,970	\$ 5,829	\$ 3,536	\$ 5,537	\$ 5,107	\$ 34,663
NET REVENUE/(LOSS)	\$ 22,799	\$ 27,435	\$ 21,533	\$ 64,005	\$ 24,749	\$ 56,914	\$ 108,273	\$ 33,904	\$ 47,214	\$ 356,592

UCRRA
MRF COST CENTER ANALYSIS
2021

EXPENSES

MRF PERSONNEL EXPENSES

RECYCLING CENTER PERSONNEL	\$	17,962	\$ 19,457	\$ 16,670	\$ 19,539	\$ 18,785	\$ 28,971	\$ 16,752	\$ 16,554	\$ 12,710	\$ 129,981
OVERTIME	\$	3,693	\$ 5,961	\$ 3,197	\$ 1,320	\$ 3,012	\$ 5,932	\$ 4,054	\$ 3,866	\$ 4,216	\$ 25,597
BENEFITS/TAXES/PENSION	\$	12,581	\$ 13,281	\$ 12,818	\$ 13,372	\$ 13,450	\$ 16,908	\$ 12,790	\$ 12,682	\$ 11,778	\$ 93,798
TEMPORARY WORKERS (50%)	\$	4,055	\$ 2,425	\$ 3,163	\$ 1,697	\$ 1,797	\$ 2,429	\$ 2,400	\$ 1,685	\$ 1,242	\$ 14,413
SUBTOTAL	\$	38,290	\$ 41,124	\$ 35,848	\$ 35,928	\$ 37,044	\$ 54,240	\$ 35,996	\$ 34,787	\$ 29,946	\$ 263,789

MRF OPERATING EXPENSES

UTILITIES & FUEL	\$	2,880	\$ 2,385	\$ 3,442	\$ 3,146	\$ 4,449	\$ 3,331	\$ 2,683	\$ 2,532	\$ 2,929	\$ 22,512
EQUIPMENT MAINTENANCE & REPAIRS	\$	3,659	\$ 2,086	\$ 6,352	\$ 250	\$ 4,963	\$ 4,203	\$ 8,251	\$ 240	\$ 3,388	\$ 27,647
MATERIALS & SUPPLIES	\$	1,643	\$ 2,907	\$ 327	\$ 296	\$ -	\$ 72	\$ 341	\$ 40	\$ 39	\$ 1,115
INSURANCE bldg (re-assessed 2020)	\$	566	\$ 566	\$ 566	\$ 566	\$ 566	\$ 566	\$ 566	\$ 566	\$ 566	\$ 3,962
SUBTOTAL	\$	8,747	\$ 7,944	\$ 10,687	\$ 4,258	\$ 9,978	\$ 8,172	\$ 11,841	\$ 3,378	\$ 6,922	\$ 55,236

TOTAL PERSONNEL/OPERATING EXPENSES \$ 47,037 \$ 49,068 \$ 46,535 \$ 40,186 \$ 47,022 \$ 62,412 \$ 47,837 \$ 38,165 \$ 36,868 \$ 319,025

NET INCOME/(LOSS) \$ (24,238) \$ (21,633) \$ (25,002) \$ 23,819 \$ (22,273) \$ (5,498) \$ 60,436 \$ (4,261) \$ 10,346 \$ 37,567

RECYCLABLES SOLD (TONS) \$ 492 619 448 456 481 520 464 476 428 3,273
 RECYCLABLE TONS - IN \$ 586 653 549 520 605 599 529 646 625 4,073

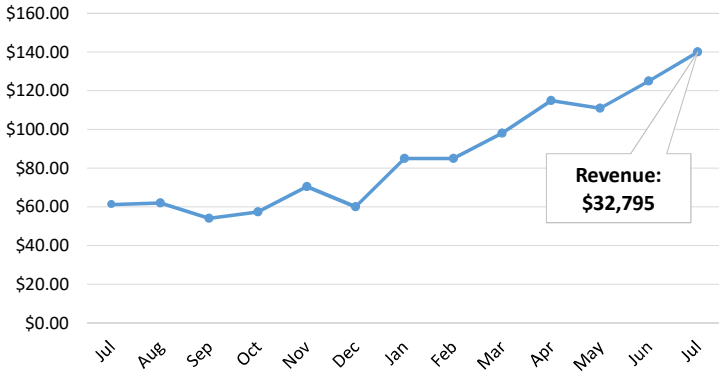
OPERATIONS COST/TON \$ 80.26 \$ 75.14 \$ 84.76 \$ 77.28 \$ 77.72 \$ 104.19 \$ 90.43 \$ 59.08 \$ 58.99 \$ 78.33

SALE OF RECYCLABLES - REVENUE PER TON \$ 57.46 \$ 54.06 \$ 60.37 \$ 149.51 \$ 61.79 \$ 120.66 \$ 240.97 \$ 82.86 \$ 122.25 \$ 119.54

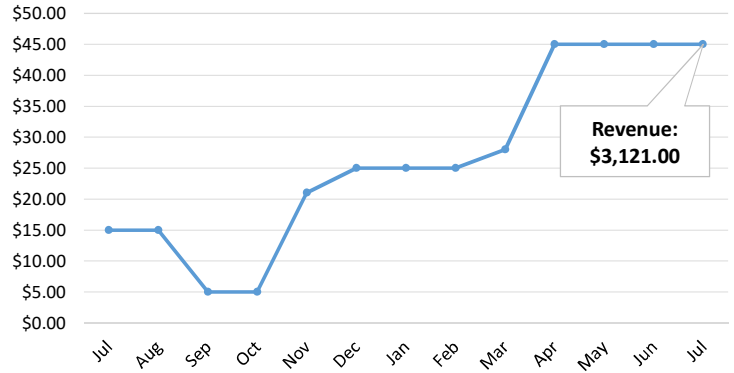
NET INCOME/(LOSS) PER TON \$ (41.36) \$ (33.13) \$ (45.54) \$ 45.81 \$ (36.81) \$ (9.18) \$ 114.25 \$ (6.60) \$ 16.55 \$ 9.22

Recycling Market Trend Report July 2021

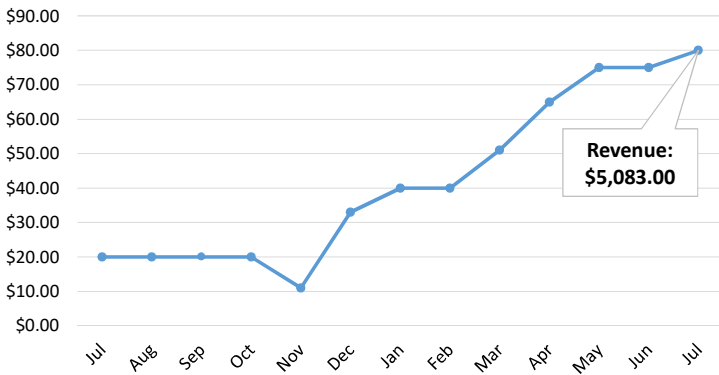
OCC (per ton)



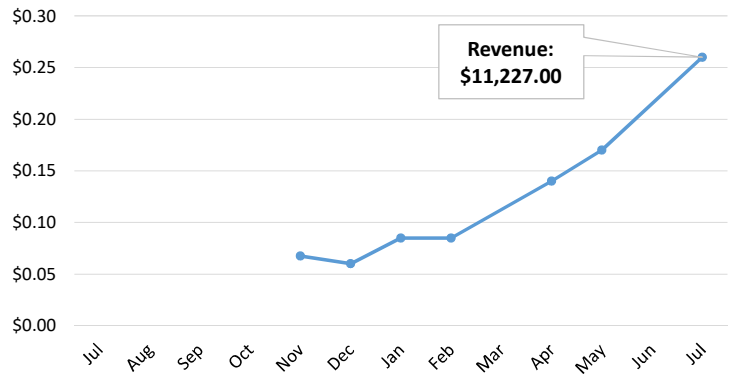
KC Hard Mix (per ton)



Mixed News (per ton)



Plastic - PET (per pound)



ULSTER COUNTY RESOURCE RECOVERY AGENCY

RESOLUTION NO. 2540

RE: Authorization of Draft 2022 Agency Budget

WHEREAS, The Ulster County Resource Recovery Agency (the “Agency”) has prepared and reviewed a Draft 2022 Agency Budget, a copy of which is annexed hereto and made a part of this Resolution, and

WHEREAS, pursuant to the Solid Waste Service Agreement by and between the Agency and the County of Ulster dated as of January 1, 1992, as amended (the “Service Agreement”), the Agency is required to forward to the County the Draft Agency Budget for the next ensuing fiscal year, and

WHEREAS, the Draft 2022 Agency Budget is subject to review, comment, and with regard to a portion thereof, modification, by the County and

NOW, THEREFORE, BE IT

RESOLVED, by the Ulster County Resource Recovery Agency that the Agency does hereby authorize that the Draft 2022 Agency Budget, in the same form and substance as annexed hereto, be forwarded to the Ulster County Executive in accordance with the Service Agreement, and be it

FURTHER RESOLVED, that the Executive Director and staff are hereby authorized and empowered to take all steps necessary to implement this resolution.

Moved by: _____ **Seconded by:** _____

Vote: Ayes _ Nays _ Absent _

Date: August 23, 2021

Financial Impact: See Attached

	2020 APPROVED BUDGET (@ 105/ton)	2021 APPROVED BUDGET (@ 105/ton)	2022 PROPOSED BUDGET (@ 105/ton)
MSW/C&D TONS	129,500	133,000	137,500
SEWAGE SLUDGE TONS	3,600	3,600	3,200
TOTAL TONS	133,100	136,600	140,700

REVENUES

Tipping Fees	\$ 13,975,500	\$ 14,343,000	\$ 14,773,500
Compost Tipping Fees	\$ 170,000	\$ 300,000	\$ 210,000
Miscellaneous Leachate/MSW Hauling	\$ 10,000	\$ 10,000	\$ 6,000
Town Box Rental	\$ 38,808	\$ 38,808	\$ 36,036
Town Pull Charge	\$ 226,408	\$ 248,976	\$ 268,661
Fuel Surcharge	\$ 628,898	\$ 573,720	\$ 748,675
Recycling Service/Tipping Fees	\$ 75,000	\$ 184,000	\$ 200,000
Sales of Recyclables	\$ 210,000	\$ 326,000	\$ 663,000
Miscellaneous Revenue	\$ 147,000	\$ 229,000	\$ 136,000
Grants	\$ 181,000	\$ 167,000	\$ 160,000
Net Service Fees	\$ -	\$ -	\$ -
TOTAL REVENUES	\$ 15,662,614	\$ 16,420,504	\$ 17,201,872

EXPENDITURES

Agency Personnel Expense

Salaries and Wages	\$ 1,727,919	\$ 1,861,291	\$ 2,090,491
Overtime Wages	\$ 180,000	\$ 200,000	\$ 200,000
Longevity Bonus Payments	\$ 31,550	\$ 29,200	\$ 21,100
Benefits - Taxes	\$ 152,330	\$ 157,287	\$ 163,311
Benefits - Pension	\$ 240,000	\$ 255,000	\$ 279,350
Benefits - Health Insurance	\$ 689,257	\$ 739,847	\$ 730,178
Total Agency Personnel Expense	\$ 3,021,056	\$ 3,242,625	\$ 3,484,430

Administration Expense

General Administration	\$ 171,000	\$ 189,000	\$ 162,000
Insurance	\$ 253,683	\$ 272,317	\$ 303,557
Contract Services	\$ 143,917	\$ 141,417	\$ 144,917
Total Administration Expense	\$ 568,600	\$ 602,734	\$ 610,474

Recycling Ed./Composting Ops.

Recycling Education/Advertising/Supplies/FSR Grant	\$ 50,000	\$ 54,300	\$ 50,000
Operational Costs/R&M	\$ 50,000	\$ 75,000	\$ 50,000
Total Composting Ops	\$ 100,000	\$ 129,300	\$ 100,000

Facilities O&M Expense

MRF (Recycling) Operations	\$ 116,200	\$ 96,500	\$ 95,000
Transfer Station Operations	\$ 128,650	\$ 137,300	\$ 147,300
Vehicle Maintenance Facility	\$ 74,000	\$ 82,000	\$ 83,500
HHW Cleanup Day	\$ 150,000	\$ 150,000	\$ 120,000
Transportation System	\$ 64,000	\$ 65,000	\$ 75,000
Vehicle & Equipment Maint. & Repair	\$ 203,000	\$ 195,000	\$ 195,000
MSW Private Hauling Contracts	\$ 4,644,989	\$ 4,895,569	\$ 5,197,600
Fuel Replenishment Program	\$ 730,107	\$ 699,122	\$ 818,985
Solid Waste Disposal Costs	\$ 3,112,935	\$ 3,357,664	\$ 3,645,647
Recycling Transport/Disposal Costs	\$ -	\$ 84,000	\$ -
Sewage Sludge Disposal & Transport	\$ 262,800	\$ 342,000	\$ 315,200
Other Disposal Costs	\$ 18,000	\$ 24,000	\$ 40,000
CLF Monitoring and Maintenance	\$ 224,750	\$ 197,000	\$ 179,285
HCB Payments and Taxes	\$ 208,884	\$ 246,917	\$ 264,451
Total Facilities O&M Expense	\$ 9,938,315	\$ 10,572,072	\$ 11,176,968

TOTAL AGENCY EXPENSES \$ 13,627,971 \$ 14,546,731 \$ 15,371,872

NET OPERATING INCOME \$ 2,034,642 \$ 1,873,773 \$ 1,830,000

DEBT SERVICE \$ 1,790,000 \$ 1,790,000 \$ 1,790,000

FUND BALANCE BEFORE CAPITAL OUTLAY/TRANSFERS \$ 244,642 \$ 83,773 \$ 40,000

CAPITAL OUTLAY \$ (244,642) \$ (230,000) \$ (660,000)

CONTINGENCY ACCOUNT TRANSFER IN \$ - \$ - \$ 120,000

OPERATING RESERVE TRANSFER IN \$ - \$ 146,227 \$ 500,000

FUND BALANCE \$ 0 \$ 0 \$ 0

ULSTER COUNTY RESOURCE RECOVERY AGENCY

RESOLUTION NO. 2541

RE: Approving the 2022 Draft Agency Capital Plan

WHEREAS, The Ulster County Resource Recovery Agency (the “Agency”) has approved and amended its Capital Plan pursuant to Section 9.01(e) of the Trust Indenture, and

WHEREAS, the Agency staff has submitted a draft Capital Plan in the form and substance annexed hereto and made a part hereof, and

WHEREAS, the estimated costs of the Facilities set forth in the draft Capital Plan shall be paid for by the expenditure of current funds.

NOW, THEREFORE, BE IT

RESOLVED, that the Ulster County Resource Recovery Agency does hereby authorize and approve the Draft Capital Plan as updated by this resolution, and be it

FURTHER RESOLVED, that this Resolution shall take effect immediately.

Moved by: _____ **Seconded by:** _____

Vote: Ayes _ Nays _ Absent _

Date: August 23, 2021

Financial Impact: See Attached

UCRRA 5 YEAR CAPITAL PLAN (2022-2026)

	ACTUAL 2021	BUDGET 2021	BUDGET 2022	BUDGET 2023	BUDGET 2024	BUDGET 2025	BUDGET 2026
GENERAL CAPITAL PROJECTS/EQUIPMENT							
No Capital Projects Currently Planned	-	-	-	-	-	-	-
TOTAL GENERAL CAPITAL PROJECTS	-	-	-	-	-	-	-
TRANSPORTATION EQUIPMENT							
Roll-Off Truck (1)	-	-	185,000	-	-	-	-
Tanker	-	70,000	-	-	-	-	-
Tractor (semi)	-	-	-	-	-	-	-
Roll-Off Containers (20)	-	160,000	-	-	-	-	-
TOTAL TRANSPORTATION EQUIPMENT	-	230,000	185,000	-	-	-	-
HEAVY EQUIPMENT							
Excavator - Ulster	-	-	-	175,000	-	-	-
Excavator - New Paltz	-	-	-	-	-	175,000	-
Refurbish CAT320 Excavator	-	-	100,000	-	-	-	-
Waste Handler Loader - Ulster	-	-	300,000	-	-	-	-
Waste Handler Loader - New Paltz	-	-	-	-	250,000	-	-
TOTAL HEAVY EQUIPMENT	-	-	400,000	175,000	250,000	-	175,000
REGIONAL TRANSFER STATIONS							
ULSTER TRANSFER STATION (UTS)							
No Capital Projects Currently Planned	-	-	-	-	-	-	-
TOTAL ULSTER TRANSFER STATION	-	-	-	-	-	-	-
NEW PALTZ TRANSFER STATION (NPTS)							
No Capital Projects Currently Planned	-	-	-	-	-	-	-
TOTAL NEW PALTZ TRANSFER STATION	-	-	-	-	-	-	-
TOTAL REGIONAL TRANSFER STATIONS	-	-	-	-	-	-	-

UCRRA 5 YEAR CAPITAL PLAN (2022-2026)

	ACTUAL 2021	BUDGET 2021	BUDGET 2022	BUDGET 2023	BUDGET 2024	BUDGET 2025	BUDGET 2026
BUILDINGS AND GROUNDS							
Utility Vehicle	-	-	-	-	-	-	-
Mini Excavator	-	-	75,000	-	-	-	-
Black Top Facility	-	-	-	-	-	-	-
TOTAL BUILDINGS AND GROUNDS	-	-	75,000	-	-	-	-
VEHICLE MAINTENANCE FACILITY (VMF)							
No Capital Projects Currently Planned	-	-	-	-	-	-	-
TOTAL VMF	-	-	-	-	-	-	-
MATERIALS RECOVERY FACILITY (MRF)							
Skid Steer Loader w/Attachments	-	-	-	80,000	-	-	-
MRF Infeed Belt	-	-	-	100,000	-	-	-
TOTAL MRF	-	-	-	180,000	-	-	-
COMPOSTING FACILITY							
Compost Expansion	227,123	-	-	-	-	-	-
TOTAL COMPOSTING FACILITY	227,123	-	-	-	-	-	-
LANDFILLS							
ULSTER LANDFILL							
No Capital Projects Currently Planned	-	-	-	-	-	-	-
TOTAL ULSTER LANDFILL	-	-	-	-	-	-	-
NEW PALTZ LANDFILL							
No Capital Projects Currently Planned	-	-	-	-	-	-	-
TOTAL NEW PALTZ LANDFILL	-	-	-	-	-	-	-
TOTAL LANDFILLS	-	-	-	-	-	-	-
TOTAL CAPITAL PROJECT COSTS	227,123	230,000	660,000	355,000	250,000	-	175,000

ULSTER COUNTY RESOURCE RECOVERY AGENCY

RESOLUTION NO. 2542

RE: Authorizing and Approving the Draft Fee Schedule for 2022 Tipping Fees and Other Charges

WHEREAS, the Ulster County Resource Recovery Agency (the “Agency”) has approved a Draft 2022 Agency Budget which projects certain revenue for the 2022 fiscal year, and

WHEREAS, the 2022 Draft Agency Budget, reflects the tipping fees and other charges set forth in the schedule annexed hereto, which the Agency Board now desires to authorize and approve said schedule of fees;

NOW, THEREFORE, BE IT

RESOLVED, by the Ulster County Resource Recovery Agency that the Agency does hereby approve the draft 2022 schedule of tipping fees and other charges as annexed hereto, and be it

FURTHER RESOLVED, that this resolution shall take effect January 1, 2022.

Moved by: _____

Seconded by: _____

Vote: Ayes _

Nays _

Absent _

Date: August 23, 2021



2022 FEE SCHEDULE

Prices effective January 1, 2022. All prices subject to change.

UNTARPED LOAD	\$5 per load
<i>All open vehicles must have their load covered with a secured tarp, per NYS DEC. This rule applies to all non-enclosed vehicles disposing of trash at either of the Agency's transfer stations, regardless of the type of waste being transported or whether or not the waste is bagged.</i>	

SOLID WASTE DISPOSAL FEES (ULSTER & NEW PALTZ TRANSFER STATIONS)

Trash and Construction & Demo Debris	\$105/ton (minimum \$20 fee per load)
<i>There is an additional fuel surcharge based on DOE Index, adjusted monthly & assessed on all loads received.</i>	

ADDITIONAL DISPOSAL FEES

All waste is subject to the \$20 minimum fee per load. Additional fees apply to the following items:

Ballasts	Per ton plus \$12 each
Fluorescent Bulbs	Per ton plus \$6 each
Large Items (Boats, Trailers, Travel Trailers, Mobile Homes, etc.)	Please call for pricing
Lead Acid Batteries	Per ton plus \$4 each
Mattresses/Box Springs	Per ton plus \$5 each
Medium Truck Tires	Per ton plus \$26 each
Passenger Car/Light Truck Tires	Per ton plus \$8 each
Propane Tanks	Per ton plus \$7 each
Refrigeration Appliances (Freon units such as refrigerators, air conditioners, dehumidifiers, etc.)	Per ton plus \$20 each

COMPOSTING FEES (MATERIALS RECOVERY FACILITY)

Grow Ulster Green Compost (Trucks & Trailers Only)	\$30/ton (minimum \$20/load fee)
<i>1 ton of compost is equivalent to appx. 2 cubic yards.</i>	
Source Separated Food Scraps (Commercial Only)	\$20/ton
Yard Waste	\$40/ton

MISC FEES

Vehicle Weight (trailer or any other items requiring weigh services)	\$10/weigh
--	------------

Visit us on the web!

View our hours of operation as well as more info about our services at:



www.UCRRA.org



ULSTER COUNTY RESOURCE RECOVERY AGENCY

RESOLUTION NO. 2543

RE: Procurement of Internal Audit Services

WHEREAS, the Ulster County Resource Recovery Agency (the "Agency") has reviewed and approved the proposal of Sickler, Torchia, Allen & Churchill, CPA's, P.C. for professional internal audit services for the Agency audit in the amount of \$1,550-\$2,050/month (inclusive of expenses) on a monthly basis.

NOW, THEREFORE, BE IT

RESOLVED, that the firm of Sickler, Torchia, Allen & Churchill, CPA's, P.C., be retained to provide internal audit services on a monthly basis in accordance with its proposal annexed hereto and made a part of this resolution, at the maximum price of \$1,550-\$2,050/month, inclusive of expenses, and, be it

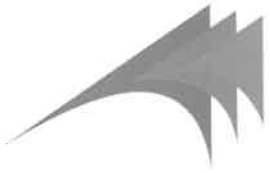
FURTHER RESOLVED, that the Executive Director/Contoller is hereby authorized and empowered to implement this resolution.

Moved by: _____ Seconded by: _____

Vote: Ayes _ Nays _ Absent _

Date: August 23, 2021

Financial Impact: \$20,600/year



**Sickler, Torchia
Allen & Churchill, CPA's, PC**
Your Partner When It Counts

Robert J. Allen, CPA
Victor V. Churchill, CPA
Edward J. Gower II, CPA
Joseph J. Montalto, CPA
Craig R. Sickler, CPA
Michael A. Torchia, Jr., CPA, CVA

August 19, 2021

Executive Director
Ulster County Resource Recovery Agency
999 Flatbush Road
PO BOX 6219
Kingston, NY 12402

Dear Executive Director DeGraff,

We at Sickler, Torchia, Allen & Churchill, CPA's would like to thank you again for the opportunity to present you with our proposal on the internal audit services the Agency is looking to obtain.

We would like to meet with the audit committee after this proposal is signed and have them identify the areas they would like tested. Our firm will ask to have the Agency's board approved policies and procedures relating to the areas that have been identified by the Audit Committee be forwarded to us where we would review these policies and generate a detailed internal audit program for each area. This audit program will be presented to the Audit Committee for its approval prior to implementation. As our firm becomes more familiar with the Agency's operations in the selected areas we will continue to evolve the audit program to include additional and more detailed testing in the areas that may be identified as lacking controls or are determined to be of higher risk. We would ask the committee to review and approve these audit program modifications before we implement them.

We perceive this relationship to be a long term relationship and therefore the Agency would not incur additional fees for us to prepare and modify this audit program. In addition, if other areas arise as presenting risk to the Agency we would welcome modifying the original program to include testing of those areas.

We feel the best approach to testing these areas is to pick 1 to 2 areas a month to test on a surprise basis. The areas that present the highest risk and the greatest risk to harm the Agency will be tested more often and allotted a greater concentration of the estimated audit time.

We are estimating it will take our firm an average of 10 to 15 hours per month, which would be a combination of partner and staff level time, to perform the internal review of the remaining areas which we are proposing a monthly fee of \$1,550. This time would include testing in the field and in office time. In addition, we are estimating an additional 3 hours of partner level time to prepare a quarterly report to be presented to the audit committee during their monthly meeting in the month following the internal review for

that quarter. For this service we are proposing an additional quarterly fee of \$500. We would ask that the monthly service charges be billed and paid in the month following the dates the testing was performed and the quarterly services be billed and paid in the month following the presentation to the Committee.

Please feel free to contact us if you have any additional questions and we hope you find these proposed services and fees meet the Agency's needs. If this proposal is acceptable, please sign below and return one copy to us.

Sincerely,



Sickler, Torchia, Allen & Churchill, CPA's, PC.

Accepted By: _____ Date _____

ULSTER COUNTY RESOURCE RECOVERY AGENCY

**INTERNAL AUDITOR PROPOSAL
TECHNICAL**

~ COPY ~

**SUBMITTED BY
SICKLER, TORCHIA, ALLEN &
CHURCHILL, CPA's, PC**

ULSTER COUNTY RESOURCE RECOVERY AGENCY

INTERNAL AUDITOR PROPOSAL
TECHNICAL

TITLE PAGE

FIRM NAME: SICKLER, TORCHIA, ALLEN & CHURCHILL, CPA's, PC
WHOM TO CONTACT: JOSEPH J. MONTALTO, CPA
ADDRESS: PO BOX 757
LAKE KATRINE, NEW YORK
PHONE: (845) 336-7183
FAX: (845) 336-7186
E-MAIL: jmontalto@stac-cpa.com
DATED: August 19, 2021

ULSTER COUNTY RESOURCE RECOVERY AGENCY

TABLE OF CONTENTS

Table of Contents	1
Letter of Transmittal	2
Firm Qualifications	4
Experience	5
Partner, Supervisory and Staff Qualifications	6
Alliance with BDO International Ltd.	6
Similar Engagements with Other Municipal Clients	7
Proposer's Warranties	8
Staff Credentials – Resumes	9
List of Municipal Accounting and Auditing Experience	10
Peer Review Letter	17

Statement of Confidentiality

The information in this document is considered by **STAC** to be confidential. We request it be treated as such and in turn, assure you that any and all information the Agency has provided us to produce the proposal will be treated in the same fashion.

ULSTER COUNTY RESOURCE RECOVERY AGENCY

LETTER OF TRANSMITTAL

August 19, 2021

Tim DeGraff
Executive Director
Ulster County Resource Recovery Agency
999 Flatbush Road
PO Box 6219
Kingston, NY 12402

Mr. DeGraff:

Thank you for giving Sickler, Torchia, Allen and Churchill, CPA's PC (STAC) the opportunity to present this proposal.

Our Firm has extensive experience in the audit of governmental, not-for-profit, and educational organizations and their related grants and financial assistance programs. The shareholders in our Firm average between 20 and 40 years of public accounting experience in the Capital District and Hudson Valley regions. Our municipal experience includes schools, towns, villages, cities, housing programs, job training funds, student activity organizations, college auxiliary service organizations, and public benefit corporations.

This Firm comprises two office locations: Lake Katrine (Kingston) and Hudson. These offices are operated by six (6) partners. We have a year-round professional accounting staff of 15 individuals and a support staff of approximately 13 individuals. This staff size and diversity enables us to perform accounting and auditing services on a timely basis for larger organizations in the Hudson Valley and Capital District Region.

A copy of the Firm's peer review report is attached. Our Firm is a member of the Private Companies Practice Section of the American Institute of Certified Public Accountants and, as such, is subject to additional requirements in its Peer Review.

The Firm and its staff are in compliance with continuing education requirements set forth in the "Yellow Book" (*Standards for Audit of Governmental Organizations, Programs, Activities and Functions*). We are the best firm qualified to perform your internal audit work due to our consistent involvement in the municipal and not-for-profit accounting and auditing field. Our memberships in organizations such as the AICPA, Association of Government Accountants, and the Association of School Business Officials, to name a few, keep us on top of the municipal practice area as it evolves. By participation in numerous external municipal accounting and auditing seminars we maintain the competence level of our own staff on a continuing basis. Our Firm has been involved in municipal auditing for more than thirty-eight (38) years.

Additional strengths that we believe define our Firm as the best qualified to perform the engagement include:

- Many of our Firm's Municipal clients have been with us for ten (10) or more years. We believe this reflects our efforts to work both with and for our clients.
- Similarly, our commitment to our staff and their advancement has resulted in low turnover. This results in an efficient and consistent audit process for our clients performed by an experienced audit team with, at minimum, one CPA on-site throughout fieldwork.

This is a firm and irrevocable offer to perform the services as delineated in the Agency request for proposal (RFP) as received by us. We propose to perform all tasks in accordance with generally accepted auditing standards; the standards for auditing contained in.

Should additional time to appoint the internal auditor be required, we request that you advise us

ULSTER COUNTY RESOURCE RECOVERY AGENCY

accordingly.

If you have any questions that are not addressed in the attached proposal, we will be pleased to discuss them with you.

Sincerely,

SICKLER, TORCHIA, ALLEN & CHURCHILL, CPA's, PC



Joseph J. Montalto, CPA

ULSTER COUNTY RESOURCE RECOVERY AGENCY

FIRM QUALIFICATIONS

Independence

This Firm is independent with respect to the Ulster County Resource Recovery Agency and its Board of Directors for purposes of internal audit work. If we are appointed as internal auditors, we shall give written notice to the Agency of any professional relationships entered into with its current Board of Directors members, individually, during the period of the audit agreement.

Licenses to Practice

The Firm and all Certified Public Accountants within the Firm are licensed to practice in the State of New York.

Firm Background

We are a regional accounting firm with over 38 years of experience in management advisory services, accounting, and auditing in the governmental and non-profit area. Our two offices are located in the Hudson Valley and Capital District Region, (Lake Katrine and Hudson, respectively).

Our organizational structure and size is as follows:

	Total <u>Professionals</u>
Shareholders/Principals	6
Managers	1
Senior Accountants	7
Staff Accountants	5
Support Staff	<u>11</u>
	<u>30</u>

We are a technology-orientated (computer) firm and require all staff to be familiar with their utilization. Additionally, we pride ourselves on our personal contact approach to our client service.

Our Firm members and partners are members of many professional organizations. We insist on a minimum of 40 hours of continuing professional education each year for every member of our professional staff, including a minimum of 24 hours in government related courses every two (2) years as mandated by the 2018 revision of the *Government Auditing Standards* by the Comptroller General of the United States. It should be noted that the 40 hours each year is entirely composed of accounting and auditing and does not include seminars on taxation.

Our auditing and accounting manuals are updated annually to include all the latest pronouncements in the auditing area. Staff training is required by all professional staff to acquaint them with these updates. We are registered with the New York State Education Department as a qualified sponsor of continuing education in the field of certified public accounting.

ULSTER COUNTY RESOURCE RECOVERY AGENCY

Experience

Your engagement will be handled by a core audit team comprised of individuals from the following staff pool:

Shareholders:

- Victor V. Churchill, CPA - 40 years' experience
- Robert J. Allen, CPA - 35 years' experience
- Joseph Montalto, CPA - 20 years' experience

Consulting Shareholders:

- Michael A. Torchia, Jr., CPA, CVA - 31 years, experience
- Craig R. Sickler, CPA - 30 years' experience
- Edward J. Gower II, CPA - 25 years' experience

Senior Accountants:

- Jason Mendolia - 10 years' experience(with STAC)
- Jason Allen - 7 years' experience(with STAC)

Junior Accountants

- Stephanie Pendell - 1 year (with STAC)
- Sebrina DePuy - 1 year (with STAC)

During the bulk of the field work, two (2) auditors will be assigned.

We are enclosing a copy of our Peer Review which included the review of one of the municipal engagements performed by the Kingston office.

During the past three years, there have not been any pending or threatened disciplinary actions against the Firm by any state regulatory body or professional organization. All federal and state desk reviews of our audits within the last three years have resulted in the audits being accepted.

ULSTER COUNTY RESOURCE RECOVERY AGENCY

Partner, Supervisory, and Staff Qualifications

Your engagement would be handled by Joseph J. Montalto, CPA, as the engagement partner. Jason Allen will be assigned as senior auditor, and junior accountants will be selected from the pool of individuals indicated on Page 5 of this proposal. A resume for the partner and in-charge is included on Page 11 of this proposal. Each of the above-named auditors have completed a minimum of sixteen (16) hours of continuing professional education specifically related to the municipal audit area each year since their commencement of working with this firm. This is accomplished by attendance at a variety of governmental conferences such as the annual New York State Association of School Business Officials Conference in June of each year in Albany, New York; the annual AICPA Municipal Update Conferences, usually in May of each year; the annual Municipal Conferences held at Siena College in Albany, New York; and various web based conferences. In addition to the municipal accounting and auditing continuing education received each year, all staff members of this Firm receive additional continuing education credits that amount to a minimum of forty (40) hours per year in related work areas of their job responsibilities. These 40 hours per year in continuing education are required by our Firm's quality control manual and, accordingly, will be maintained in the future.

The Firm of Sickler, Torchia, Allen & Churchill, CPA's, PC is an equal opportunity employer and does not discriminate based upon race, creed, color, or sex.



Alliance with BDO International Limited

STAC is a member of the BDO Alliance USA, LLC, a nationwide association of **independently** owned local and regional accounting, consulting, business and technology firms sharing a dedication to exemplary client service.

As a **member firm**, the BDO Alliance USA, LLC allows us to:

- Enhance our client services and broaden our capabilities overall
- Expand our domestic and international coverage
- Gain greater technical knowledge in specialty areas
- Utilize professionals with experience in a wide range of industries
- Access the most up-to-date technical information
- Participate in the latest training programs
- Utilize state-of-the-art, customized computer systems
- Provide our clients with key contacts and sophisticated professionals throughout the U.S.

By supplementing our existing services, the BDO Alliance USA, LLC brings us the necessary tools to help us better serve our clients with greater flexibility, efficiency and cost effectiveness.

BDO Alliance USA, LLC, is a national professional services firm providing tax, assurance, financial advisory and consulting services to private and publicly-traded businesses. For more than 90 years, BDO Alliance USA, LLC has provided quality service and leadership through the active involvement of its most experienced and committed professionals.

BDO Alliance USA, LLC, serves clients through more than 35 offices and 250 independent alliance firm locations nationwide. As an independent member firm of BDO International Limited, BDO Alliance

ULSTER COUNTY RESOURCE RECOVERY AGENCY

USA, LLC, serves clients by leveraging a global distribution network of resources comprised of nearly 600 member firms with offices in 99 countries.

Similar Engagements with Other Municipal clients

Catskill Central School District

Catskill, New York

Joseph Jimick, Business Official

Town of Rochester

Accord, New York

Michael Baden, Town Supervisor

Town of Shandaken

Shandaken, New York

Robert Stanley, Town Supervisor

East of Hudson Watershed Corp

Patterson, New York

Joanne Tavino, Controller

Town of Hurley

Hurley, New York

John Perry, Town Supervisor

ULSTER COUNTY RESOURCE RECOVERY AGENCY

PROPOSER'S WARRANTIES

- A. Proposer warrants that it is willing and able to comply with State of New York laws with respect to foreign corporations.
- B. Proposer warrants that it is willing and able to obtain an errors and omissions insurance policy providing a prudent amount of coverage for the willful or negligent acts, or omissions of any officers, employees, or agents thereof.
- C. Proposer warrants that it will not delegate or subcontract its responsibilities under this agreement.
- D. Proposer warrants that all information provided by it in connection with this proposal is true and accurate.

Signature of Official

Name: Joseph J. Montalto, CPA
Title: Shareholder
Firm: Sickler, Torchia, Allen & Churchill, CPA's, PC
Date: August 19, 2021



Joseph J. Montalto CPA
Engagement Partner

Joseph Montalto is a Partner of Tax and Attest services in **STAC's** Lake Katrine, NY office with over twenty years' experience. This office has various practice areas, namely audit, tax, management consulting, special projects, and risk advisory services. He serves a number of our non-profit and municipal clients. His extensive experience in the fields of non-profit and municipal auditing and consulting includes:

- Auditing of a wide variety of tax-exempt organizations including associations, membership organizations, quasi-governmental, and governmental organizations.
- OMB Uniform Circular audits.
- Business and technical consulting and operational efficiency reviews.
- Presenting audit reports and management letters to boards of directors, audit committees, and other governance bodies.
- Consulting with clients on forecasts, projections, budget and variance analysis, internal control reviews, operational reviews, efficiency studies, and various other business and technical consulting projects.

Joseph is a member of the New York State Society of Certified Public Accountants and the American Institute of Certified Public Accountants. He also serves as the Chairman of the Finance Committee of the Board of the Mental Health Association in Ulster County, Inc. the membership committee of the Ulster County Regional Chamber of Commerce, Inc. and is the Treasurer of the Mt. Marion Fire Department.

PARTIAL LIST OF MUNICIPAL ACCOUNTING AND AUDITING EXPERIENCE

CURRENT EXPERIENCE

Ardsley Union Free School District	Port Jervis Public Housing Authority
Catskill Central School District	Poughkeepsie City School District
Centerville Fire District	Poughkeepsie Public Housing Authority
Churchtown Fire Company	Rochester Public Housing Authority
City of Hudson	Saxton Board of Fire Commissioners
City of Yonkers Public Housing Authority	Taconic Hills Central School District
Craryville Fire District	Town of Ashland
Dutchess County BOCES	Town of Copake
Ellenville Public Housing Authority	Town of East Fishkill
Freeport Public Housing Authority	Town of Greenport
Glasco Fire District	Town of Hurley
Glen Cove Public Housing Authority	Town of North East
Great Neck Housing Authority	Town of Pine Plains
Greenburgh Public Housing Authority	Town of Shandaken
Greenport Fire District	Town of Windham
Hunter-Tannersville Central School District	Troy Public Housing Authority
Kingston Public Housing Authority	Ulster County BOCES
Kiskatom Fire District	Village of Hobart
Livingston Fire District	Village of New Square Public Housing Authority
Long Beach Housing Authority	Village of Nyack Public Housing Authority
Millbrook Central School District	Village of Saugerties
Peekskill Public Housing Authority	Village of Woodridge Public Housing Authority
Pine Plains Central School District	Webutuck Central School District
Pine Plains Fire District	

Peer Review Report



REPORT ON THE FIRM'S SYSTEM OF QUALITY CONTROL

To the Partners of Sickler, Torchia, Allen & Churchill CPAs, PC
and the Peer Review Committee of the PICPA

We have reviewed the system of quality control for the accounting and auditing practice of Sickler, Torchia, Allen & Churchill CPAs, PC (the firm) in effect for the year ended May 31, 2020. Our peer review was conducted in accordance with the Standards for Performing and Reporting on Peer Reviews established by the Peer Review Board of the American Institute of Certified Public Accountants (Standards).

A summary of the nature, objectives, scope, limitations of, and the procedures performed in a System Review described in the Standards may be found at www.aicpa.org/prsummary. The summary also includes an explanation of how engagements identified as not performed or reported in conformity with applicable professional standards, if any, are evaluated by a peer reviewer to determine a peer review rating.

Firm's Responsibility

The firm is responsible for designing a system of quality control and complying with it to provide the firm with reasonable assurance of performing and reporting in conformity with applicable professional standards in material respects. The firm is also responsible for evaluating actions to promptly remediate engagements deemed as not performed or reported in conformity with professional standards, when appropriate, and for remediate weaknesses in its system of quality control, if any.

Peer Reviewer's Responsibility

Our responsibility is to express an opinion on the design of the system of quality control and the firm's compliance therewith based on our review.

Required Selections and Considerations

Engagements selected for review included engagements performed under *Government Audit Standards*, including a compliance audit under the Single Audit Act.

As part of our review, we considered reviews by regulatory entities as communicated by the firm, if applicable in determining the nature and extent of our procedures.

YOUR PATH. YOUR FUTURE.

Davidson Fox & Company

53 Chenango Street, 3rd Floor • Binghamton, New York 13901 • P: 607.722.5386 • F: 607.722.7682
davidsonfox.com

UDAV

REPORT ON THE FIRM'S SYSTEM OF QUALITY CONTROL
(Continued)

Opinion

In our opinion, the system of quality control for the accounting and auditing practice of Sickler, Torchia, Allen & Churchill CPAs, PC in effect for the year May 31, 2020, has been suitably designed and complied with to provide the firm with reasonable assurance of performing and reporting in conformity with applicable professional standards in all material respects. Firms can receive a rating of *pass*, *pass with deficiencies*, or *fail*. Sickler, Torchia, Allen & Churchill CPAs, PC has received a peer review rating of *pass*.

Davidson, Fox & Company, LLP

Davidson, Fox & Company, LLP
January 15, 2021

ULSTER COUNTY RESOURCE RECOVERY AGENCY

RESOLUTION NO. 2544

RE: Approving Amendment to the Personnel Policy Manual

WHEREAS, The Ulster County Resource Recovery Agency (the “Agency”) is engaged in Solid Waste Management and Recycling in Ulster County, and

WHEREAS, the New York State Public Authority requires that all Public Authorities must have a Personnel Manual and the Board of Directors annually reviews same, and

WHEREAS, the Agency Board has amended such Personnel Policy on several occasions, the last amendment being June 28, 2021, and

WHEREAS, the Agency Board of Directors has proposed changes to the Ulster County Resource Recovery Agency Personnel Policy adopted by the Board of Directors on November 2, 2010, and

WHEREAS, the Agency Board desires to add to the Personnel Policy Manual a Cell Phone Use Policy, as described in the Exhibit attached, and

NOW, THEREFORE, BE IT

RESOLVED, that the Board of Directors of the Ulster County Resource Recovery Agency does hereby approve the addition of the Cell Phone Use Policy, as attached, to be added to the Personnel Policy Manual, and be it,

FURTHER RESOLVED, that the Executive Director and Agency staff are hereby authorized to take all steps necessary to implement this amendment to the Personnel Policy Manual, and be it

FURTHER RESOLVED, that this Resolution shall take effect immediately.

Moved by: _____ Seconded by: _____

Vote: Ayes: _ Nays: _ Absent: _

Date: August 23, 2021

Financial impact \$0.00

ULSTER COUNTY RESOURCE RECOVERY AGENCY

Cellphone Use Policy

Purpose of Policy

We at Ulster County Resource Recovery Agency (UCRRA) understand that cell phones have become an important part of our lives. Having a smartphone is undoubtedly valuable for monitoring productivity, fitness goals, having business apps at your fingertips as well as staying connected with family members, but inappropriate or excessive use of these devices may cause workplace issues and hamper the employees' ability to focus on their work. Therefore, this policy outlines the use of cell phones at UCRRA. All employees are expected to abide by this policy strictly. Failure to do so will lead to appropriate disciplinary actions.

Scope of the Policy

The rules of this policy apply to all UCRRA employees including full-time, part-time, independent contractors, consultants, or any outside third-party. It includes the use of all cellular devices such as a personal cell phone, as well as a business cell phone.

Policy

Personal calls during the workday can interfere with employee productivity and be distracting to others. Employees are encouraged to make any personal calls during non-work time to ensure that friends and family members are aware of UCRRA's policy.

Safety issues for cellphone use

All drivers and operators are expected to follow applicable local, state, and federal laws and regulations regarding the use of cellphones at all times.

Drivers and operators whose job responsibilities include operating heavy equipment on roadways or at our facilities are expected to use their cell phones for company business only and when doing so must use a hands-free device and even then, to keep the conversation to a minimum.

Regardless of the circumstances, including slow or stopped traffic, employees are required to use hands-free operations or pull off to the side of the road and safely stop the vehicle before placing or accepting a call.

Employees are encouraged to refrain from discussion of complicated or emotional matters and to keep their eyes on the road while driving at all times. Special care should be taken in situations where there is traffic or inclement weather, or the employee is driving in an unfamiliar area.

Reading or sending text messages while driving is strictly prohibited.

Employees who are charged with traffic violations resulting from the use of their phone while driving will be solely responsible for all liabilities that result from such actions.

UCRRA will not be liable for the loss of personal cellphones brought into the workplace.

Disadvantages of using cell phones at work

Despite having various benefits, cell phones have their drawbacks as well. Employees who use their cell phone may:

- Not be able to focus completely on work and their surroundings
- Disturb colleagues or others around them.
- Cause accidents due to distracted driving while using their phone.

Unacceptable use of cell phones

It is expected that the employees at UCRRA make no use of their mobile devices and not indulge in such practices as;

- Playing games during working hours.
- Recording confidential or any Agency business or information on camera or voice recorder.
- Speaking on the phone near their co-workers' work areas during working hours.
- Making long personal calls (greater than 5 minutes) during working hours.
- Downloading, uploading, or viewing illegal or obscene files using the Agency's internet connection.

Acceptable use of cell phones

Employees are encouraged to use their cellphone for:

- Making Agency business calls only when absolutely necessary.
- Communicating urgent feedback with Agency management members.
- Browsing the internet, texting, or making personal phone calls only during their break time.

Video or audio recording devices

The use of camera or other video or audio recording-capable devices on Agency premises is prohibited without the express prior permission of upper management and of the person(s) subject to recording. Video or audio recording in restrooms and/or locker rooms is strictly prohibited. Unapproved use of devices by employees, customers, third party contractors, or any other visitors on Agency property, is strictly prohibited and the Agency reserves the right to banish said person(s) from coming onto to Agency property in the future.

Consequences for Violators

UCRRA has the right to monitor any violation of this and all policies. The use of any company or personal phone by the employees must be for emergency reason only.

Video or audio recording in restrooms and/or locker rooms is strictly prohibited.

Any violation of this policy and management can revoke the cell phone privileges entirely.

Any misuse such as text messaging, making phone calls, or other unlawful use while driving shall also result in strict disciplinary action.

The use of cell phones that involve an illegal activity such as harassment, violation of the company's security and privacy, can lead to the termination of the employee.

Employee Acknowledgement

The undersigned employee acknowledges that he or she has read the cellphone use policy and agrees to comply with all terms of the policy.

Emergency Company Numbers:

All Employee Emergencies can be handled by calling the following numbers.

Main Office- 845-336-0600

MRF- 845-336-5717

VMF-845-336-7821

New Paltz- 845-255-6358

Employee Signature

Date

ULSTER COUNTY RESOURCE RECOVERY AGENCY

RESOLUTION NO. 2545

RE: Approval of Compost Sales Policy

WHEREAS, the Ulster County Resource Recovery Agency (the "Agency") is engaged in Solid Waste Management, Recycling, and Composting in Ulster County, and

WHEREAS, the Agency Governance Committee recommends the approval of the Compost Sales Policy as set forth in the proposed attached exhibit and made a part hereof,

NOW, THEREFORE, BE IT

RESOLVED, that the Ulster County Resource Recovery Agency does hereby approve the Compost Sales Policy attached hereto and made a part hereof, and, be it

FURTHER RESOLVED, that this resolution shall take effect immediately.

Moved by: _____

Seconded by: _____

Vote: Ayes: _

Nays: _

Absent: _

Date: August 23, 2021

Financial impact \$0.00

COMPOST SALES POLICY

General Purpose – The goal of the Agency is to increase organics diversion from the waste stream, create a high quality product, and to maximize its disbursement throughout Ulster County.

Pricing Model – The Agency prices its compost to be sold, and at a minimum to cover the costs of its operations.

Quantity limits per sale – Each purchase of compost will be limited to two bucket loads or approximately 10 ton. The Agency reserves the right to lower this limit in times of low supply.

Quantity limits per day – Daily limits per customer will be limited to two maximum loads per day, or 20 ton.

Quantity limits per year – No individual, business, or customer will be allowed to purchase more than 500 tons of compost within a calendar year, unless approved by the Agency’s Board of Directors.

Returns/Refunds – Sales of compost are on an “as is” basis. No returns or refunds will be given. All sales are final.

Reserving Quantities – The Agency offers compost for sale on a first come, first serve basis, and will not reserve or hold any amount of compost for future purchases or for certain buyers, projects, etc.

Deliveries – The Agency does not provide services for the delivery of compost. However, a list of contacts for delivery options are posted to the Agency’s website. Individuals or businesses interested in being added to the list may contact the Agency directly.

Donations of Compost – Per Agency “Addendum to Procurement Policy” (see Resolution #2156) #2 No Contributions: The Agency shall not make any contributions of a monetary or in-kind nature to any individual or non-governmental entity, including charities and not-for-profit corporations.

Conflicts of Interest – Sales of compost are to be in agreement with all aspects of the Agency’s Conflict of Interest Policy.

ULSTER COUNTY RESOURCE RECOVERY AGENCY

RESOLUTION NO. 2546

RE: Approval of HydroQuest Proposal for Identifying Potential Landfill Sites in Ulster County, New York

WHEREAS, the Ulster County Resource Recovery Agency (the “Agency”) is engaged in Solid Waste Management and Recycling in Ulster County, and

WHEREAS, the Ulster County Resource Recovery Agency (the “Agency”) requires the service of an experienced professional Geologist to develop a map and identify potential landfill sites in Ulster County, and

WHEREAS, the Agency Board has conducted a review and analysis of the firm supplying such professional Geologist services to implement and develop a map identifying sites and evaluating same that are suitable for landfill development, and

WHEREAS, it is the intention of the Agency to enter into an agreement with HydroQuest, 414 E. Kerley Corners Rd., Tivoli, New York 12583 to develop such a map identifying potential sites in Ulster County that conform to NYSDEC landfill siting criteria in accordance with the proposal letter annexed hereto, and

NOW, THEREFORE, BE IT

RESOLVED, that Ulster County Resource Recovery Agency does hereby authorize and approve the appointment of HydroQuest as the firm to develop such a landfill study map under the terms of the agreement attached,

FURTHER RESOLVED, that this Resolution shall take effect immediately.

Moved by: _____ Seconded by: _____

Vote: Ayes _____ Nays _____ Absent _____

Date: August 23, 2021

Financial Impact: \$8,000.00



August 12, 2021

Ulster County Resource Recovery Agency Landfill GIS Siting Proposal

Title: HydroQuest Proposal to UCRRA for Identifying Potential Landfill Sites in Ulster County, New York

Abstract of Proposed Landfill Study

The Ulster County Resource Recovery Agency (UCRRA) seeks a site in Ulster County to be used for the disposal of municipal waste. This proposal seeks to identify a number of potential sites in the county that conform to NYSDEC landfill siting criteria, are protective of the environment, and are not situated in heavily populated or Environmental Justice areas. This proposal identifies numerous siting restrictions, as well as features to be evaluated as being suitable for landfill development. A step-wise elimination process is proposed using a combination of many GIS databases and rigorous geologic and hydrologic assessment in the screening process. For illustration purposes, a GIS map is presented that depicts Potential Environmental Justice Areas in Ulster County. The information plotted on this map is based on data from the 2014-2018 five-year American Community Survey conducted by the US Census Bureau (Figure 1). Similarly, other data bases will be examined and overlain with this information to identify areas potentially suitable for development and operation of a county landfill.

Primary Project Goal:

- Identify a number of sites in Ulster County, New York that exhibit physical characteristics potentially suitable for development and operation of a county landfill.

Project Objectives (Site Selection Process):

- Review New York Codes, Rules and Regulations that apply to landfill siting;
- Compile and assess multiple Geographic Information System (GIS) databases to, in a stepwise manner, use in selecting sites potentially suitable for developing and operating an Ulster County landfill;
- Use geologic and scientific expertise in conjunction with GIS database information to identify sites potentially suitable for constructing and operating an Ulster County landfill;
- Review Potential Environmental Justice Area maps for Ulster County as a selection criterium of locations where landfills should not be located (see Figure 1 that depicts these areas in Ulster County);
- Geotechnical and hydrogeologic discussion regarding environmental containment and the potential suitability of sites with little or no soil cover above very low permeability bedrock formations (e.g., Martinsburg shale) in hydrologically monitorable settings;

- Further refine and reduce the site list developed from the objectives above with emphasis on favorable landfill siting characteristics as per 6CRR-NY 360-2.12; and
- Produce a short report that details site selection process and criteria, identifies potentially suitable landfill sites, and includes GIS maps portraying locations of identified landfill sites.

Principal Investigator: Paul A. Rubin (hydroquest@yahoo.com; 845-657-8111)
 Web page: <http://www.hydroquest.com>
 HydroQuest
 414 East Kerley Corners Rd.
 Tivoli, New York, 12583

Investigator Qualifications: Paul Rubin has forty years of professional hydrologic and geologic experience and is a licensed Professional Geologist in New York State. During much of this time he lived and conducted professional work within Ulster County. His experience includes responsibility for the design, protocols, coordination, implementation, evaluation, characterization and remediation of many major water and soil contamination sites throughout New York State (e.g., Love Canal, Superfund sites). He has designed, performed and supervised chemical field sampling at hazardous waste sites. This included the evaluation of geotechnical and chemical data sets while working in the Environmental Protection Bureau of the New York State Attorney General’s Office (e.g., at a number of municipal landfills across NYS). Mr. Rubin has also testified in court regarding contaminant transport in varied geologic and hydrogeologic settings. His familiarity with contaminant concerns and the geology of Ulster County makes him well-suited for assessing potential landfill sites throughout the county. Attachment A (resume) and his HydroQuest web site provide additional information specific to his experience.

Affiliation: HydroQuest is a sole proprietor consulting business.

Proposal Application Date: August 12, 2021.

Start Date: Immediately after proposal acceptance and agreement signing.

Completion Date: December 31, 2021 or before.

Safety Concerns: None

Data Sources:

Numerous GIS-based data sources will be used in the site selection process. These include:

- NYSDEC’s Office of Environmental Justice’s Maps & Geospatial Information System (GIS) Tools for Environmental Justice (Regularly updated GIS data depicting Potential Environmental Justice Areas (PEJAs) is available at: <https://gis.ny.gov/gisdata/inventories/details.cfm?DSID=1273>. Figure 1 of this proposal portrays the most recent PEJA mapping information in Ulster County);
- NYS Museum geology maps;
- Soil Conservation Service maps;
- Ulster County Information Services;

- NYS GIS Clearinghouse;
- CUGIR (Cornell University Geospatial Information Repository);
- NYSDEC Mapping Gateway, GIS Data Sets (70), and Environmental Resource Mapper;
- USGS topographic maps;
- LiDAR based elevational maps;
- County and State GIS data sources;
- High resolution orthoimagery;
- NYSDEC mines and wells data base;
- Parcel data;
- EPA EJSCREEN: Environmental Justice Screening and Mapping Tool;
- EPA Enforcement and Compliance History Online (ECHO);
- EPA Geospatial Data Download Service; and
- EPA Toxics Release Inventory (TRI) Program.

Applicable NYSDEC Regulations and Siting Criteria Specific to This Project Include:

Landfill siting in New York State is strictly regulated. The site selection process will rely heavily on information and siting criteria provided in the resources listed below. In addition, the assorted databases will be evaluated within the overriding context of environmental protection through geologic and hydrologic assessment.

NYSDEC, 6 CRR-NY 363-5.1 NY-CRR, Official Compilation of Codes, Rules and Regulations of the State of New York; Title 6. Department of Environmental Conservation, Chapter IV. Quality Services, Subchapter B. Solid Wastes, Part 363. Landfills, Subpart 363-5. Siting Requirements.

NYSDEC, 6 CRR-NY 360-1.7 NY-CRR, Official Compilation of Codes, Rules and Regulations of the State of New York; Title 6. Department of Environmental Conservation, Chapter IV. Quality Services, Subchapter B. Solid Wastes, Part 360. Solid Waste Management Facilities; Subpart 360-1. General Provisions.

NYSDEC, 6 CRR-NY 360-2.12 NY-CRR, Official Compilation of Codes, Rules and Regulations of the State of New York; Title 6. Department of Environmental Conservation, Chapter IV. Quality Services, Subchapter B. Solid Wastes, Part 360. Solid Waste Management Facilities; Subpart 360-2. Landfills.

NYSDEC, Commissioner Policy 29 (CP-29), Environmental Justice and Permitting. The policy provides guidance for incorporating environmental justice concerns into the NYSDEC environmental permit review process and the NYSDEC application of the State Environmental Quality Review Act (SEQRA).

Landfill Siting Restrictions (i.e., lands to be identified and avoided in the site selection process)

- Primary aquifer watersheds;
- Proximity to public water supplies;
- Principal aquifers (pending hydrogeologic assessment);
- New York City owned watershed lands;
- New York State owned lands;
- Preserve and park lands;
- Steeply sloping land;
- Unstable areas;
- Karst/carbonate bedrock geology;
- High permeability soils (i.e., sand and gravel);
- Parcel sizes less than 100 acres;
- Proximity to high pressure gas pipelines;
- Floodplains;
- Prime agricultural land;
- Known threatened or endangered species habitat;
- Airports;
- Historic/archaeological sites;
- NYS and federal wetlands and buffer areas;
- Proximal to rail trails;
- Proximal to reservoirs, lakes, or major waterbodies;
- Sites underlain by active faults or located in seismic impact zones; and
- Potential Environmental Justice Areas (PEJAs) to comply with NYSDEC guidance designed to avoid sensitive minority and low-income urban and rural communities. Figure 1 shows the distribution of PEJAs in Ulster County, New York.

Preferred New Landfill Site Features to Be Identified and Evaluated

- Parcels or joint parcels of 200 acres or more;
- Very low permeability unconsolidated deposits;
- Low permeability bedrock to which soil may be added or which may be hydraulically engineered for monitoring;
- Former landfill and hazardous waste sites;

- Active and inactive mine sites not in carbonate bedrock that may not alter groundwater flow;
- Hydrologic setting (surface and groundwater flow patterns);
- Well logs where available;
- Small watersheds well-suited to monitoring;
- Previously disturbed areas;
- Proximity to major roads;
- Low population density areas; and
- Ability to meet NYSDEC landfill siting and contaminant containment criteria.

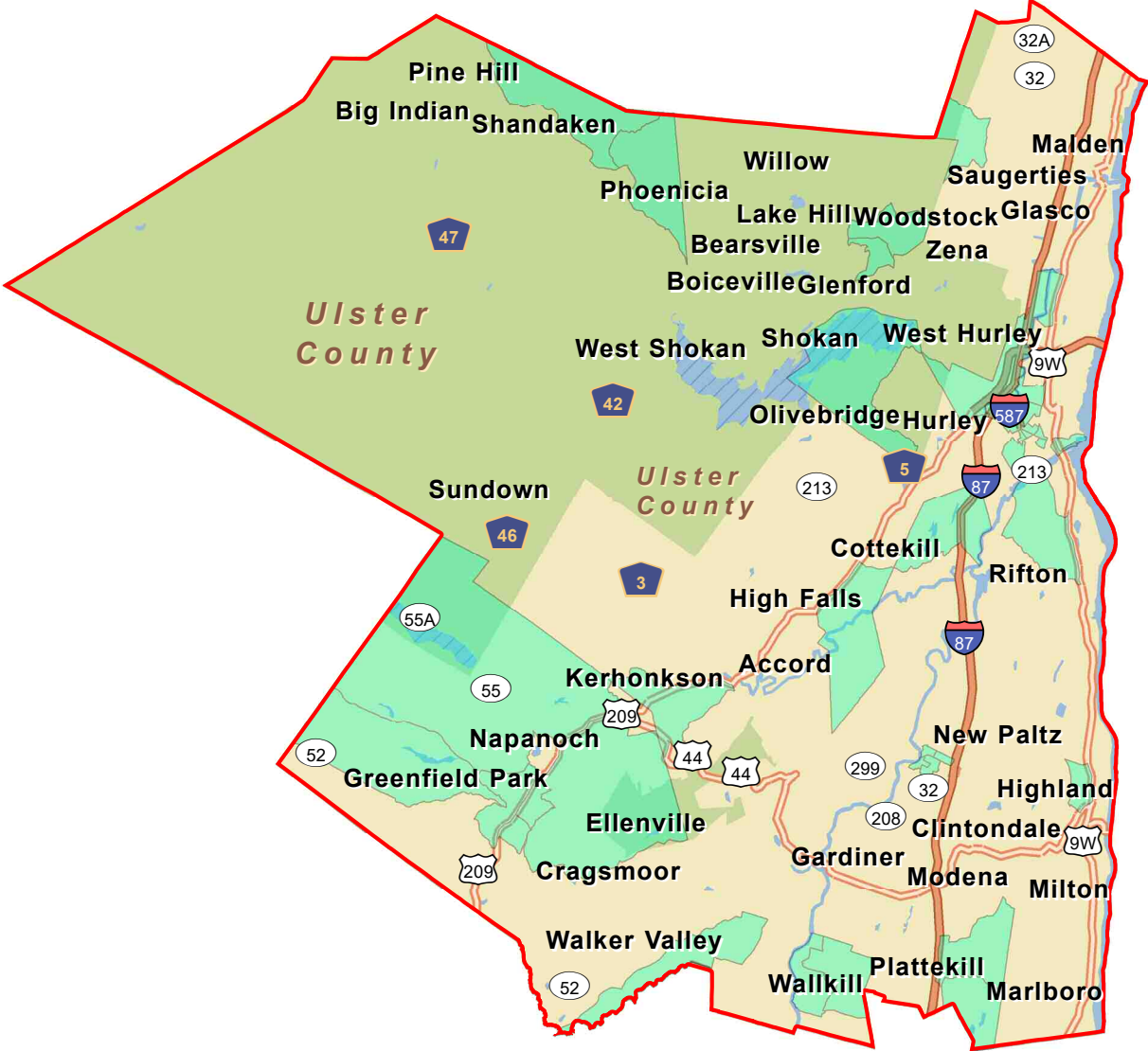
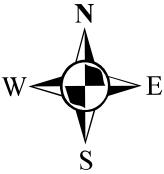
Project Products:

- To establish the accuracy of Potential Environmental Justice Areas, the NYSDEC Environmental Justice Hotline (1-866-229-0497) will be contacted;
- A short report detailing site selection criteria and identification of sites favorable for further site-specific investigation; and
- A number of GIS maps depicting sites favorable for detailed site-specific landfill development investigation (e.g., field reconnaissance, geologic and hydrologic investigation, morphological evaluation of landforms, owner willingness to sell land).

Proposal Fee Structure:

Completion of the tasks required to achieve the project goal detailed above is put forth as a set fee of \$8,000.00, half payable at the approximate halfway completion point and thereafter upon receipt of a final report.

Potential Environmental Justice Areas in Ulster County, New York



Legend

- Potential Environmental Justice Areas
- Ulster County Border

Paul A. Rubin
 HydroQuest
 414 E. Kerley
 Corners Road
 Tivoli, New York 12583
 845-657-8111
 email: hydroquest@yahoo.com
 web site: hydroquest.com



Figure 1

Paul A. Rubin

414 East Kerley Corners Rd.; Tivoli, New York 12583 (845-657-8111)

E-mail contact: hydroquest@yahoo.com

Web page: <http://hydroquest.com>

EDUCATION:

M.A. - Geology, May 1983, State University of New York at New Paltz. Major fields of study: Hydrogeology, Water Quality and Pollution, Structural Geology, Photogeologic Interpretation.

Thesis topic: *Hydrogeology and Structure of the Shawangunk Mountains, Ulster County, NY.*

B.A. - Anthropology, minor Geology, May 1977. State University of New York at Albany.

EXPERIENCE:

HYDROLOGIST/HYDROGEOLOGIST/GEOLOGIST/CARTOGRAPHER:

*1993 -
Present*

Independent Geologic & Hydrologic Consultant. Consulting firm: *HydroQuest*. Provide hydrologic, geologic and land use technical consulting services to environmental groups, Towns, business associations, law firms, insurance companies, and individuals. Assist groups in identifying issues and developing strategies designed to protect groundwater and surface water resources, community character, and wildlife habitat. Conduct hydrologic assessments to support legal resolution of landowner disputes (e.g., flooding, drainage, livestock, contaminant dispersal, springs, water supply & quality protection).

HydroQuest work includes hydrogeologic and geotechnical assessments; review and analysis of consultant reports and environmental impact statements (EISs); aquifer analyses; well and water supply protection; contaminant characterization; geologic investigations; karst and cave investigations, evaluations & tracer tests; river flood assessments; mine impact analyses; technical coordination of scientific case development for environmental groups and attorneys; geotechnical assessments of proposed gas pipeline routes; pipeline-blast impact zone maps; stream and wetland evaluations; hydrologic and geologic mapping; water quality assessments; watershed delineations; watershed analyses; slope analyses; GIS map preparation; public presentations; technical presentations to judges; coordination work with attorneys; strategy development; panel member at Town meetings with legislators; report and affidavit preparation.

Recent project work examples include assessments of land use and community character. The Town of Mamakating commissioned the: *Hydrogeologic Study of the Town of Mamakating, Sullivan County, New York*. The report documents groundwater and surface water resources throughout the town. Analysis included extensive field work, watershed and sub-basin delineation using high resolution imagery and digital elevation data, and GIS-based map production. The report includes numerous land use recommendations and formed the foundation for the development of the Town's Comprehensive Plan. Another project analyzed and mapped land use over 100 years to assess community character relative to a major development proposal. In addition, stream water quality, wastewater loading, continued health of a trout fishery and ecotourism were addressed.

KARST HYDROLOGIST

*2004 -
April 2007*

Howe Caverns, Inc. Cobleskill, New York. 2nd largest natural tourist attraction in NYS. Conducted hydrologic and geologic research, produced professional GIS maps and figures, developed educational programs and materials, developed new tourist route, trained guides, provided land use assessments and recommendations, advised the Board of Directors on land use concerns including potential water quality degradation and potential blast-related impacts to cave. Developed and proposed revenue generating strategies. Formerly worked in this position half-time prior to change in ownership.

INSTRUCTOR:

Jan. 2001- SUNY Ulster, Stone Ridge, New York.
Dec. 2004 Taught ArcGIS, Environmental Geology, Geology, Hydrology, Geography, and Crime Analysis. Coordinator of a Geographic Information Systems certificate program. Developed, obtained, and completed a NYSDEC grant to assess assorted hydrologic and environmental aspects of the Black Creek watershed in Ulster County. Supervision and oversight of numerous professional adult “students”, directed GIS-based technical presentations, and coordinated and produced grant products.

College of the Atlantic, Bar Harbor, Maine.

Taught a two-week graduate level summer field hydrology and environmental science course for several years, including Rosgen stream assessment.

HYDROLOGIST:

New York City Department of Environmental Protection (NYCDEP), Division of Drinking Water Quality Control, Shokan, New York.

April 1993- Conducted research and field studies designed to assess the water quality of watersheds.
Jan. 2001 Responsible for directing geologic research designed to assess the sources, geomorphic context and best management practices (BMPs) related to sediments causing turbidity water pollution problems. Hydrologic and geologic work included geologic mapping of glacial sediments, field evaluation of stream channel armoring, morphologic characterization of stream channels (including Rosgen analyses), bedload transport studies, assessment of critical shear stresses, particle size analysis, stream gauging, water quality sampling and trend analysis, chemical and sediment loading calculations, graphic production, report preparation and technical presentations. Assisted other governmental divisions in evaluating lands for possible purchase, conducted geotechnical assessments of structurally unstable stream reaches, evaluated BMP designs. Supervised several Research Assistants.

RESEARCH SCIENTIST:

Martin Marietta Energy Systems, Inc. April 1993 under contract with the U.S. Dept. of Energy; Oak Ridge National Lab; Environmental Sciences Division, Oak Ridge, TN.

Aug. 1991- Responsible for hydrogeologic evaluation of groundwater issues (e.g., characterization,
April 1993 monitoring network setup, data analysis, remedial design evaluation) at multiple Oak Ridge Reservation hazardous waste sites. Developed and documented conceptual model of carbonate and shallow storm flow systems comprising pathways of rapid contaminant transport. Work also involved characterization of hydrologic and geochemical trends and thermal infrared photo analysis. Presented results of research at conferences, as well as to DOE management and State and Federal officials. *Served in a Resource Management Organization as the hydrologic lead for the Environmental Sciences Division.*

HYDROGEOLOGIST:

New York State Attorney General's Office; Environmental Protection Bureau, Albany, New York.

*Feb. 1983-
Aug. 1991*

Responsible for the design, protocols, coordination, implementation, evaluation, characterization and remediation of many major water and soil contamination sites throughout New York State (e.g., Love Canal, Superfund sites). Designed, performed and supervised chemical field sampling at hazardous waste sites. Evaluated geotechnical and chemical data sets.

Primary responsibilities included coordination of multiple companies along with their respective legal and scientific consultants. Worked with all parties involved to produce test plans and consent decrees to facilitate site remediation. Responsible for the management of the testing, site characterization and technical assessment. Worked with attorneys on summary judgment motions, complaints, trial preparation and depositions. Attorney General's spokesperson at public meetings. Expert witness at SEQRA hearings. Testimony given before the Assembly Standing Committee on Environmental Conservation and Grand Jury. Worked with DOL staff and attorneys to develop office initiatives (e.g., Racketeering; bottled water contaminants). Initiation, development and drafting of legislation.

Supervision of personnel: expert witnesses, consultants, research assistants, interns. Responsible for selection, job descriptions, work schedules, and products.

HYDROGEOLOGIST:

Stone & Webster Engineering Corp., Geotechnical Division, Boston, Massachusetts.

*Oct. 1981-
Feb. 1983*

Directly responsible for the planning, preparation, execution, and analysis of pumping tests and a fluid sampling program designed to investigate deep basin groundwater characteristics for the siting of a nuclear waste repository within the Permian Basin of the Texas panhandle. Planned, managed, coordinated, directed, and provided oversight of field operations of a multi-million dollar project, inclusive of acidizing geologic formations. Sub-contractors included Halliburton, Schlumberger, and others.

ACTIVITIES:

Hiking, kayaking, geologic and hydrologic research, and exploration. Former Captain: Albany-Schoharie County Cave Rescue Team. Made a Fellow of the National Speleological Society in recognition of karst research and water resource protection.

**PUBLICATIONS &
REPORTS**

Over 50 technical publications and over 200 reports and affidavits, many for private clients, environmental groups, towns, and law firms. Projects include land, wetland, water quality, and species protection; aquifer and watershed characterization; mine proposals; development proposals; contaminant assessments; stream hydrology grant work; and flood risk. Some reports are confidential. Leader of geology conference field trips for groups including the New York State Geological Association, the American Institute of Professional Geologists, the Hudson-Mohawk Professional Geologists' Association, the National Ground Water Association, the National Speleological Society, GSA, and the International Association of Geochemists and Cosmochemists.

ADDENDUM - SELECTED PUBLICATIONS

SELECTED PUBLICATIONS FROM PROFESSIONAL AND PERSONAL RESEARCH

Rubin, P.A., 2020, *Earliest Documentation of White-Nose Syndrome (WNS) Related Bat Mortality in the United States*. Northeast Bat Working Group Annual Conference.

Rubin, P.A., 2019, *Subglacial Karst Development in East-Central New York State*. Geological Society of America 54th Annual Meeting (Northeastern Section).

Rubin, P. A., 2019, *Structural Control on Cave Development in a Fold-Thrust Belt*. Geological Society of America 54th Annual Meeting (Northeastern Section).

Rubin, P.A., 2018, *Interpretation of ice-marginal hydrologic conditions based on sediment preservation in Clarksville Cave; East-Central New York State*. Geological Society of America 53rd Annual Meeting (Northeastern Section).

Rubin, P.A., 2009, *Geological Evolution of the Cobleskill Plateau; New York State, USA*, in Veni et al. (eds), Proceedings of the Speleogenesis Symposium of the 15th International Congress of Speleology (joint National Speleological Society & Union Internationale de Speleologie); Symposium: Speleogenesis in Regional Geological Evolution and its Role in Karst Hydrogeology and Geomorphology, Kerrville, Texas. Proceedings, Volume 2, Symposia Part 2, pages 972-978 (published July 2009).

Palmer, A.N. and Rubin, P.A., 2007, *Karst of the Silurian-Devonian Carbonates in Eastern New York State, with emphasis on the Cobleskill Plateau*. Guidebook for the Hudson-Mohawk Professional Geologists' Association Spring 2007 Field Trip, "Carbonate Geology of the Howes Cave Area, Schoharie County, New York", p. 17-35, Trip coleader with Arthur Palmer (April 28, 2007).

Rubin, P.A., Burmeister, K.C. and Folsom, M., 2006, *Karst Resource Management: groundwater protection and developmental considerations in the Kingston-Rosendale aquifer system*; Ulster County, N.Y., Poster Presentation at the 2005 National Cave and Karst Management Symposium. Report prepared for Scenic Hudson.

Stokowski, S., Rubin, P.A. and Guenther, B., 2006, *History of resource management: conflict and resolution, Howes Cave, N.Y.*, in Rea, G.T., (ed), Proceedings of the 2005 National Cave and Karst Management Symposium.

Rubin, P.A and Stokowski, S., 2004, *Karst, Caves, and Quarries*. Guidebook paper for the American Institute of Professional Geologists (AIPG), Annual Meeting. Field trip co-leader.

Rubin, P.A. and Washington, G., 2004, *Water quantity and quality considerations specific to development on the flank of the Shawangunk Mountain Ridge, Southeastern NYS*. Abstracts Northeast Natural History Conference VIII. N.Y. State Museum Circular 66: p. 53.

Rubin, P.A., Adickes, D.M., Cunningham, T., Davidson, D., Hurld, J. Kiyan, J.R., Preuss, P., Ramsay, W., Schultz, B. and Washington, George, 2004, *Application of GIS technology to assess visual impacts of development: Shawangunk Ridge case study, southeastern NYS*. Abstracts Northeast Natural History Conference VIII. N.Y. State Museum Circular 66: p. 52-53.

Adickes, D.M., Preuss, P., Rubin, P.A., and Thompson, J., 2004, *GIS assessment and study of rare and threatened avian species living in the Shawangunk Mountains in Southeastern NYS*. Abstracts Northeast Natural History Conference VIII. N.Y. State Museum Circular 66: p. 38.

Kiyan, J.R., Washington, G., and Rubin, P.A., 2004, *GIS visual impact analysis of a proposed housing development below Minnewaska State Park Preserve in the Shawangunk Mountains of the Mid-Hudson Valley in New York State*. Abstracts Northeast Natural History Conference VIII. N.Y. State Museum Circular 66: p. 47.

Cunningham, T., Davidson, D., Hurld, Rubin, P.A., and Ehrensaft, P., 2004, *Using GIS technology to project various land-use and economic scenarios for the northern Shawangunk Ridge area; Southeastern NYS*. Abstracts Northeast Natural History Conference VIII. N.Y. State Museum Circular 66: p. 41-42.

Palmer, A.N., Rubin, P.A., Palmer, M.V., Engel, T.D., and Morgan, B., 2003, *Karst of the Schoharie Valley, New York*. Guidebook for the New York State Geological Association Diamond Jubilee Field Conference (75th Annual Meeting), p. 141-176, Trip coleader.

Rubin, P.A., Morgan, B., and Palmer, A.N., 2003, *Howe Caverns resource protection: hydrology and land-use analysis; Schoharie County*, New York State. Abs. Northeastern Science Foundation Silver Jubilee Anniversary Symposium, Proceedings volume, p. 25-26.

Rubin, P.A., Hubsch, R., Albrechtsen, C.A., Black, G., Folsom, M., Keller, J., Morgan, B., Ortega, A., Rodden, M., Schultz, B., Terzella, D., and Washington, G., 2003, *Watershed management and protection planning based delineation of critical environmental areas via GIS analysis*. Abs. Northeastern Science Foundation Silver Jubilee Anniversary Symposium, Proceedings volume, p. 13.

Hubsch, R., Morgan, B., Black, G., Folsom, France, N., Keller, J., Ortega, A., Post, J., and Rubin, P.A., 2003, *Development of a GIS-based land-use coverage: Black Creek and Swarte Kill watersheds, southeastern New York State*. Abs. Northeastern Science Foundation Silver Jubilee Anniversary Symposium, Proceedings volume, p. 9-10.

Rubin, P.A., Waines, R., Washington, G., Ortega, A., Albrechtsen, C.A., Hubsch, R., Folsom, M., Keller, J., Morgan, B., and Schultz, B., 2003, *Hydrology and geology of the Swarte Kill and Black Creek basins, eastern New York State*. Abs. Northeastern Science Foundation Silver Jubilee Anniversary Symposium, Proceedings volume, p. 12.

Rubin, P.A., Engel, T., Nardacci, M. and Morgan, B.E., 2002, *Geology and paleogeography of Mount Desert Island and surrounding area, Maine*. Guidebook paper National Speleological Society annual meeting, Camden, Maine, p. 47-91, Trip leader.

Rubin, P.A., Schultz, B. and Haberland, P., 2002, *Hydrologic, land use, and historic concerns relative to the Rosendale mining industry*. Abs. National Speleological Society annual meeting, Camden, Maine, p. A-27.

Rubin, P.A. and Morgan, B., 2002, *Relict sea caves record temporary coastal stillstands*. Abs. National Speleological Society annual meeting, Camden, Maine, p. A-26-A-27.

- Morgan, B., Albrechtsen, C., Dido, R., Hubsch, R., Rubin, P.A., Sheeley, D., Skerritt, F. and Vaeth, L., 2002, *Development of a GIS-based land-use coverage: Black Creek Watershed, Southeastern NYS*. Abs. Northeast Natural History Conference VII. N.Y. State Museum Circular 64: p. 50-51.
- Hubsch, R., Albrechtsen, C., Dido, R., Morgan, B., Rubin, P.A., Sheeley, D., Skerritt, F., Terzella, D. and Vaeth, L., 2002, *Critical environmental area delineation in the Black Creek Watershed, NYS via GIS analysis*. Abs. Northeast Natural History Conference VII. N.Y. State Museum Circular 64: p. 51.
- Sheeley, D.A. and Rubin, P.A., 2002, *Land-use preservation scenarios in the Black Creek Watershed using GIS; NYS*. Abs. Northeast Natural History Conference VII. N.Y. State Museum Circular 64: p. 51.
- Schultz, B., Rubin, P.A. and Haberland, P., 2002, *GIS-based historic inventory of early cement district industrial artifacts: Southeastern NYS*. Abs. Northeast Natural History Conference VII. N.Y. State Museum Circular 64: p. 40.
- Rubin, P.A. and Morgan, B., 2002, *Geomorphic reconstruction of emerged and submerged coastlines using GIS technology, Mount Desert Island, ME*. Abs. Northeast Natural History Conference VII. N.Y. State Museum Circular 64: p. 39.
- Rubin, P.A. and Privitera, J.J., 1997, *Engineered and unregulated degradation of karst aquifers: Two case studies in New York State, USA*. In The Engineering Geology and Hydrogeology of Karst Terranes, Beck & Stephenson (eds), Proceedings of The Sixth Multidisciplinary Conference on Sinkholes and the Engineering and Environmental Impacts of Karst; Balkema, Rotterdam; p. 467-476.
- Rubin, P.A., Engel, T., and Nardacci, M., 1995, *Geomorphology, paleoclimatology and land use considerations of a glaciated karst terrain, Albany County, New York*. Guidebook for joint meeting of the New York State Geological Association (67th Annual) and the American Association of Petroleum Geologists. Trip leader, p. 81-107.
- Rubin, P.A., 1995, *The geology of Clarksville Cave, Albany County, New York*. Guidebook for joint meeting of the New York State Geological Association (67th Annual) and the American Association of Petroleum Geologists. Trip leader, p. 251-273.
- Rubin, P.A., 1995, *The geology of Cherokee Caverns; Tennessee*. In Karst Geohazards (ed. by B. Beck), Proceedings of: The Fifth Multidisciplinary Conference on Sinkholes and the Engineering and Environmental Impacts of Karst; Sponsors include the National Ground Water Association and the American Society of Civil Engineers, Gatlinburg, TN, p. 541-547.
- Rubin, P.A., 1994, *Paleohydrology of the Kämper Avenue area; Mammoth Cave National Park, Kentucky*. Mammoth Cave National Park's Third Science Conference; Sponsored by Mammoth Cave National Park and The Cave Research Foundation, Mammoth Cave National Park, Kentucky, p. 265-279.
- Rubin, P.A., Zerr, B., Davies, G.J., Lemiszki, P.J., Neuhoff, P.S., and Aiken, J., 1993, *Preliminary hydrogeologic studies in carbonate aquifers of the Oak Ridge Reservation, Tennessee*. Abs. Fourth Annual Walker Branch Watershed Research Symposium, Oak Ridge, TN, p. 15-16.

- Davies, G.J., Rubin, P.A., and Quinlan, J.F., 1993, *Indirect observation of the rapid-flow and slow-flow components of recharge to the Knox aquifer, Oak Ridge, Tennessee*. Abs. Fourth Annual Walker Branch Watershed Research Symposium, Oak Ridge, TN, p. 17.
- Rubin, P.A., Lemiszki, P.J., and Poling, R.S., 1992, *Strategy for definition and protection of East Tennessee karst groundwater basins*. Tennessee Water Resources Symposium (5th, Nashville, TN., Oct. 1992), Proceedings. American Water Resources Association, Nashville, TN, p.7-10.
- Rubin, P.A. and Lemiszki, P.J., 1992, *Structural and stratigraphic controls on cave development in the Oak Ridge area, Tennessee*. Tennessee Water Resources Symposium (5th, Nashville, TN., Oct. 1992), Proceedings. American Water Resources Association, Nashville, TN, p. 111-117.
- Rubin, P.A., Lietzke, D.A., and Schmidt, V.A., 1992), *Aspects of the geomorphology of Oak Ridge, Tennessee*. Abs. National Speleological Society Convention, Salem, IN.
- Rubin, P.A., 1992, *Strategy for aquifer and stream protection in karst terranes*. Abs. The New York Natural History Conference II, New York State Museum Circular 54, p. 61, Albany, New York.
- Rubin, P.A., 1992, *Karst hydrology of Oak Ridge, Tennessee*. Abs. Third Annual Walker Branch Watershed Research Symposium, Oak Ridge, TN, p. 34.
- Rubin, P.A., 1992, *Land-use planning and watershed protection in karst terranes*. Hydrogeology, Ecology, Monitoring, and Management of Ground Water in Karst Terranes Conference (3rd, Nashville, Tenn., Dec. 1991), Proceedings. National Ground Water Association, Dublin, Ohio, p. 769-793.
- Rubin, P.A., Ayers, J.C., and Grady, K.A., 1992, *Solution mining and resultant evaporite karst development in Tully Valley, New York*. Hydrogeology, Ecology, Monitoring, and Management of Ground Water in Karst Terranes Conference (3rd, Nashville, Tenn., Dec. 1991), Proceedings. National Ground Water Association, Dublin, Ohio, p. 313-328.
- Palmer, A.N., Rubin, P.A., and Palmer, M.V., 1991, *Interaction between karst and glaciation in the Helderberg Plateau, Schoharie and Albany Counties, New York*. Guidebook for New York State Geological Association Annual Meeting, Oneonta, New York, p. 161-190.
- Palmer, A.N., Palmer, M.V., Porter, C.O., Rubin, P.A., and Mylroie, J.E., 1991, *A geological guide to the karst and caves of the Helderberg Mountains, Schoharie and Albany counties, New York*. Guidebook paper for National Speleological Society annual meeting, Cobleskill, New York, p. 105-167.
- Rubin, P.A., 1991, *Modification of preglacial caves by glacial meltwater invasion in East-Central New York*. Appalachian Karst Symposium, Proceedings. National Speleological Society, Radford, Virginia, p. 91-100.
- Rubin, P.A., 1991, *Flow characteristics and scallop forming hydraulics within the Mill Pond Karst Basin, East-Central New York*. Appalachian Karst Symposium, Proceedings. National Speleological Society, Radford, VA., p. 101-108.

Rubin, P.A., 1991, *Emerged sea caves and coastal features as evidence of glacio-isostatic rebound, Mount Desert Island, Maine*. Appalachian Karst Symposium, Proceedings. National Speleological Society, Radford, Virginia, p. 75-83.

Rubin, P.A., 1983, *Structural geology and geomorphology of the Shawangunk Mountain caprock, Southeastern New York*. Abs. Geol. Soc. Amer. N.E. Ann. Mtg., Kiamesha Lake, New York; and Abs. Mohonk Research Associates Conference, Mohonk Lake, New York.

Rubin, P.A. and Briedis, J., 1982, *Acid precipitation and volcanism linked to Mesozoic dinosaur extinction*. Abs. Geol. Soc. Amer. Ann. Mtg., New Orleans, Louisiana.

Rubin, P.A., Smiley, D., and Egemeier, S.J., 1981, *Acid precipitation in the Shawangunk Mountains, Southeastern New York*. Abs. AMS/CMOS International Conference on Long-Range Transport of Airborne Pollutants, Albany, New York; and Abs. Geol. Soc. Amer. N.E. Ann. Mtg., Bangor, Maine.

Rubin, P.A., 1981, *New Aspects of the stratigraphy and structure of the Shawangunk Mountains, Southeastern New York*. Abs. Geo. Soc. Amer. N.E. Ann. Mtg., Bangor, Maine.

Egemeier, S.J., Liff, C.I., Smiley, D., and Rubin, P.A., 1981, *The safe yield of the "sky" lakes of the Shawangunk Mountains of Southeastern New York*. Abs. Geol. Soc. Amer. N.E. Ann. Mtg., Bangor, Maine.