



300 E. Locust Street, Ste. 100
Des Moines, Iowa 50309
515-244-0021

MEMORANDUM

DATE: October 13, 2023

TO: MWA Board Members

CC: MWA Staff

FROM: Michael McCoy, Executive Director

RE: Wednesday, October 18, 2023, Board Meeting

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This month's board meeting is scheduled for Wednesday, October 18, 2023, at 5:45 pm in the board room at Central Office (300 East Locust Street, Ste. 100, Des Moines, Iowa). If you have questions about any items listed below, please call me at 323.6519 (w) or 707.3869 (c). I look forward to seeing you on Wednesday.

The following numbered items correspond with the number of the item on the agenda:

Consent Agenda Items for Approval

7. Resolution 10-23-02 - Approval of Purchase of Semi Tractor for Metro Recycling Facility – Action for Approval
New single stream contracts and continued efforts to internalize commodity deliveries has yielded semi tractor utilization greater than five days per week. The FY23/24 budget includes capital funds totaling \$200,000 to purchase a roll-off truck for the MRF, which at present is not needed. The budgeted capital funds would better meet agency needs if utilized for the purchase of a semi tractor. Staff recommends approval.
8. Resolution 10-23-03 – Approval of Purchase of Case 580 Quad Track for Metro Park East Landfill – Action Item
A Quad Track Tractor is used to haul dirt for daily cover and to build terraces. The quad track pulls a scraper that carries the dirt. The FY23/24 budget includes \$750,000 for the purchase of a Quad Track Tractor and Scraper for Metro Park East Landfill. Staff recommends approval.
9. Resolution 10-23-04 – Approval of P-64 Metro Park West Cell D Liner and Greene County Landfill Improvement Project Completion and Final Payment – Action Item
Construction of Cell D and improvements to Greene County Landfill have been inspected and deemed complete. The Board approved construction and construction oversight of P-64 in March 2023 at a cost up to \$3,897,251.80. The project came in on budget and did not utilize contingency funds. Staff recommends approval.

Regular Agenda Items for Approval**10. Resolution 10-23-05 – Approval of Sorting Robots Lease for Metro Recycling Facility – Action Item**

Automation in the form of robots and artificial intelligence provides the best solution to address revenue leakage of high value commodities on Metro Recycling Facility's last-chance line. Lease is recommended at a cost of \$249,500 for the first year. Funds are available in FY23/24 Capital Expenditures. Unused funds of \$166,000 from the optical sorter project and \$145,000 budgeted for a SCADA system that will not be needed due to AI integrated with the robots. These unused funds total \$310,600. All costs for subsequent lease years will be budgeted in the respective fiscal year. Staff recommends approval.



**Board of Directors
2023 Calendar Year**

**Dean O'Connor
Chair**

**Rob Sarchet
Vice-Chair**

Dean O'Connor
Altoona

Mark Holm
Ankeny

Bob Peffer
Bondurant

John Edwards
Clive

Joe Gatto
Des Moines

Steve Allen
Elkhart

David Gisch
Grimes

Tom Cope
Johnston

Bill Roberts
Mitchellville

Brian Baker
Norwalk

Mark Konrad
Pleasant Hill

Rob Sarchet
Polk City

Tom Hockensmith
Polk County

Gerald Lane
Runnells

Matt Blake
Urbandale

Doug Loots
West Des Moines

Susan Skeris
Windsor Heights

**Michael McCoy
Executive Director**

**Metro Waste Authority
Board Meeting
October 18, 2023**

MWA Central Office
300 E. Locust Street, Ste. 100, Des Moines, Iowa 50309
5:45 pm

Amended Agenda

1. Call to Order, Roll Call
2. Approval of Regular Agenda
3. Public Forum

CONSENT AGENDA

The following are routine items enacted by one roll call vote without separate discussion unless someone, Board or Public, requests an item be removed for consideration:

4. Approval of Consent Agenda – Items 4 through 10
5. Consideration of Minutes September 20, 2023, Metro Waste Authority Board Meeting – Action for Approval
6. Resolution 10-23-01 – Consideration of September 2023, Monthly Expenditures – Action for Approval
7. Resolution 10-23-02 – Approval of Purchase of Semi Tractor for Metro Recycling Facility – Action for Approval
8. Resolution 10-23-03 – Approval of Purchase of Case 580 Quad Track for Metro Park East Landfill – Action for Approval
9. Resolution 10-23-04 – Approval of P-64 Metro Park West Cell D Liner and Greene County Landfill Improvement Project Completion and Final Payment – Action for Approval

END CONSENT AGENDA

Regular Agenda Items for Approval – Items 10 and 13

10. Resolution 10-23-05 – Approval of Sorting Robots Lease for Metro Recycling Facility – Action Item
11. Discussion: Fire Rover for Metro Recycling Facility
12. Closed Session Pursuant to Iowa Code 20.17(3) – Negotiation Strategy Session
13. Potential Action Item Following Closed Session Discussion of Negotiation Strategy Session
14. Director's Report
15. Chair's Report

16. General Board Discussion and Other Business
17. Correspondence
18. Adjournment

November Executive/Finance Meeting: November 1, 2023, MWA Central Office, 300 E. Locust Street, Ste 100, Des Moines, Iowa 50309, 12:00 pm.

November Board Meeting: November 15, 2023, MWA Central Office, 300 E. Locust Street, Ste. 100, Des Moines, Iowa 50309, 5:45 pm.



300 E. Locust Street, Ste. 100
Des Moines, Iowa 50309
515-244-0021

September 20, 2023, Unofficial Metro Waste Authority Board Meeting Minutes

1. Call to Order

The meeting was held at Metro Waste Authority's Central Office. Rob Sarchet, vice-chair, called the September 20, 2023, Metro Waste Authority Board Meeting to order at 5:45 pm. A quorum was present.

Roll Call – MWA Board Representatives/Alternates in Attendance

Mark Holm, Ankeny – Virtual
John Edwards, Clive – In Person
Joe Gatto, Des Moines – In Person
David Gisch, Grimes – In Person
Bill Roberts, Mitchellville – In Person
Brian Baker, Norwalk – In Person
Mark Konrad, Pleasant Hill – Virtual
Rob Sarchet, Polk City – In Person
Tom Hockensmith, Polk County – Virtual
Gerald Lane, Runnells – In Person
Doug Loots, West Des Moines – Virtual

2. Approval of Regular Agenda

Moved by Clive, seconded by Des Moines, to approve the September 20, 2023, board meeting agenda as presented. Motion carried unanimously by voice vote.

3. Public Forum

There were no requests to address the Board.

CONSENT AGENDA

The following are routine items enacted by one roll call vote without separate discussion unless someone, Board or Public, requests that an item be removed for consideration:

4. Approval of Consent Agenda – Items 4 through 9

Moved by Clive, seconded by Des Moines, to approve the Consent Agenda, items 4 through 9. Motion carried unanimously by voice vote.

5. Consideration of Minutes August 16, 2023, Metro Waste Authority Board Meeting – Action for Approval

6. Resolution 09-23-01 – Consideration of August 2023, Monthly Expenditures – Action for Approval

7. Resolution 09-23-02 – Approval of Revenue Sharing with Respect to the Collection of Solid Waste Agreement – Action for Approval

8. Resolution 09-23-03 – Approval of City of Des Moines Contract – Action for Approval

9. Resolution 09-23-04 – Approval of Scale Replacement at Metro Park West Landfill – Action for Approval

END CONSENT AGENDA

Regular Agenda Items for Approval – Item 10

10. Resolution 09-23-05 – Approval of FTE at Metro Recycling Facility– Action Item
Dan Haag, recycling administrator, reported new contracts and increased the need for a Class A driver. The driver will support recycling operations throughout the agency.

Moved by Clive, seconded by Des Moines, to approve Resolution 09-23-05. Motion carried unanimously by voice vote.

11. Director’s Report
Leslie Irlbeck, deputy director, provided an update on Metro Recycling Facility after the fire that occurred September 12, 2023. Irlbeck thanked all the communities, vendors, and staff that responded to the emergency. There has not been a disruption in services.

OSHA has completed an investigation regarding an employee injury at Metro Park East in August. The employee is recovering at home and safety remains a key focus for the agency.

Conversations between MWA legal counsel and legal counsel for the Union are ongoing and have been productive.

MWA recently introduced free virtual reality field trip kits and an online simulation game for teachers to utilize in the classroom.

MWA has recently transitioned to a new 457 retirement vendor, Principal Financial Group.

The October executive finance meeting will be held at Central Office (300 E. Locust Street, Ste. 100, Des Moines, Iowa) on Wednesday, October 4, 2023, at 12:00 pm.

The October board meeting will be held at Central Office (300 E. Locust Street, Ste. 100, Des Moines, Iowa) on Wednesday, October 18, 2023, at 5:45 pm.

12. Chair’s Report
Rob Sarchet, vice-chair, thanked the MWA team for their hard work and dedication.

13. General Board Discussion and Other Business
No Discussion or Other Business

14. Correspondence
No Correspondence

15. Adjournment
Moved by Clive, seconded by Des Moines to adjourn the September 20, 2023, board meeting. Motion carried unanimously by voice vote. Meeting adjourned at 6:15 pm.

Michael McCoy, Executive Director

Dean O’Connor, Chair

METRO WASTE AUTHORITY
BILLS PAID IN SEPTEMBER 2023

VENDOR NAME	COMMENT1	Total
A KING'S THRONE, LLC	BUILDING SERVICES	\$ 210.00
A TECH, INC.	SECURITY	\$ 470.55
AARON MULLINS	CAN REDEMPTION	\$ 197.00
ABM PARKING	PARKING	\$ 180.00
ACCESS SYSTEMS	OFFICE PRINTING	\$ 488.33
ACCURATE HYDRAULICS & MACHINE	PARTS/LABOR	\$ 324.17
ADDISON MASTERS	CAN REDEMPTION REFUND	\$ 1,035.75
AFLAC	INSURANCE PREMIUM	\$ 287.76
AIR FILTER SALES	BUILDING SERVICES	\$ 460.90
AIR MACH INC.	SITE MAINTENANCE	\$ 3,744.00
AIRGAS, INC. DBA AIRGAS USA, LLC	EQUIPMENT FUEL	\$ 1,002.67
AMERICAN SECURITY	SECURITY	\$ 534.71
ANKENY SANITATION	WASTE/DROP OFF/CONTRACT EXPENS	\$ 434,894.61
ANKERANDERSON	CAPITAL EXPENSE	\$ 112,984.86
ARAMARK UNIFORM SERVICES, INC.	RAGS/MATS/SUPPLIES	\$ 78.79
ASPEN WASTE SYSTEMS, INC.	CURBSIDE/DROP OFF/WASTE COLL	\$ 2,499.00
A-TEC RECYCLING, INC.	CONTRACT DISPOSAL	\$ 4,179.10
ATHLETICO PHYSICAL THERAPY	BACKGROUND CHECKS	\$ 600.00
ATLANTIC BOTTLING COMPANY	OFFICE SUPPLIES	\$ 892.05
AUREON COMMUNICATIONS	TELEPHONE EXPENSE	\$ 9,918.38
BAILEY ORTEGA	REIMBURSEMENT	\$ 13.23
BOMGAARS	PARTS/SMALL TOOLS/SUPPLIES	\$ 2,149.01
BONDURANT, CITY OF	UTILITIES	\$ 108.96
BOONE COUNTY TREASURER	PROPERTY TAXES	\$ 58.00
BRANT SCHMIT	MILEAGE REIMBURSEMENT	\$ 443.17
BRICK GENTRY P.C.	LEGAL FEES	\$ 2,164.50
C.J. MOYNA & SONS, INC	MPW CELL D	\$ 158,068.13
CAMP TOWNSHIP FIRE DEPT. - HOST FEES	HOST FEES	\$ 4,724.86
CAPITAL CITY EQUIPMENT CO.	EQUIPMENT/PARTS/LABOR	\$ 1,652.64
CAPITAL SANITARY SUPPLY CO INC	OFFICE SUPPLIES	\$ 334.71
CENTER FOR INTERNET SECURITY, INC.	COMPUTER SUPPLIES & MAINTENANCE	\$ 5,760.00
CENTRAL UNITED LIFE INSURANCE	LIFE INSURANCE	\$ 152.22
CENTURY LINK	TELEPHONE EXPENSE	\$ 147.88
CH TIRE SERVICE	TIRES	\$ 68,287.41
CHAMPLIN TIRE RECYCLING, INC.	TIRE PROCESSING	\$ 10,437.22
CITY GARDENS, INC	SITE MAINTENANCE	\$ 8,523.50
CITY OF AMES PUBLIC WORKS	FIRE EXTINGUISHER	\$ 300.00
CITY OF URBANDALE	YARD WASTE COLLECTION	\$ 32,843.25
CLARK SUTFIN	TRAVEL REIMBURSEMENT	\$ 44.15
CLEAN HARBORS ENV. SERVICE INC	CONTRACT DISPOSAL	\$ 8,854.99
COMMONWEALTH ELECTRIC COMPANY	SITE MAINTENANCE	\$ 12,827.00
COMPETITIVE EDGE	PUBLIC INFORMATION/PROMOTION	\$ 10,652.56
CONSTRUCTION & AGGREGATE PRODUCTS	LEACHATE MAINTENANCE/COLLECTIO	\$ 3,157.00
CP MANUFACTURING INC	EQUIPMENT	\$ 399,849.88
CROSSROADS TRAILER SALES & SERVICE INC	EQUIPMENT PURCHASE	\$ 130,397.00
CRYSTAL CLEAR	OFFICE SUPPLIES	\$ 442.65
DAN SCOTT	TRAVEL REIMBURSEMENT	\$ 74.80
DANIEL HAAG	TRAVEL REIMBURSEMENT	\$ 98.81
DAN'S OVERHEAD DOORS 4	BUILDING REPAIRS	\$ 94,666.78
DATASHIELD CORP	RECYCLING EXPENSE	\$ 286.18
DELTA INDUSTRIES, INC.	THIRD PARTY PARTS & LABOR	\$ 49,137.39
DES MOINES FIRE DEPT.	HEALTH/SAFETY	\$ 150.00
DES MOINES MOBILE WASH, INC	PREVENTIVE MAINTENANCE	\$ 1,914.04
DES MOINES REGISTER, THE	ADVERTISING	\$ 420.94
DES MOINES STEEL CO.	SITE MAINTENANCE	\$ 553.07
DES MOINES WATER WORKS	UTILITIES	\$ 2,062.05
DEWEY FORD, INC.	VEHICLES/MAINTENANCE	\$ 289.93
DIAM PEST CONTROL	PEST CONTROL	\$ 225.00
DIAMOND OIL COMPANY	EQUIPMENT FUEL	\$ 3,169.25
DOBBINS, EMILY	MILEAGE/EXPENSES	\$ 141.42
DRAVID SABARISH	TRAVEL REIMBURSEMENT	\$ 78.60
DUKE AERIAL, INC.	MRF EQUIPMENT RENTAL	\$ 2,428.20
ELISE SANNY	CAN REDEMPTION	\$ 229.10
ELITE GLASS	SITE MAINTENANCE	\$ 170.00
ENGIE INSIGHTS SERVICES, INC DBA ENGIE IMPACT	REFUND	\$ 200.00
ETC GRAPHICS, INC.	SIGNAGE	\$ 1,501.00
EXPRESS HOLDINGS LLC	BUILDING SERVICES	\$ 42.75
EXPRESS LAUNDRY	FLOOR MATS	\$ 155.40
FASTENAL COMPANY	HEALTH/SAFETY	\$ 920.08
FERGUSON ENTERPRISES	SITE MAINTENANCE	\$ 78.30
FINISHING TOUCHEZ	SITE MAINTENANCE	\$ 300.00
FIRST CHOICE SERVICES / US COFFEE	OFFICE SUPPLIES	\$ 211.33
FLYNN WRIGHT	PUBLIC INFORMATION/PROMOTION	\$ 34,122.50
FORCE FITTERS LLC	EMPLOYEE UNIFORM	\$ 1,982.08
FREIGHTLINER OF DES MOINES, INC	PARTS	\$ 4,484.26
GARRY & CONNIE HOWE	CAN REDEMPTION	\$ 5,948.00
GRAINGER	PARTS/SMALL TOOLS/SUPPLIES	\$ 2,547.79
GREAT CATERERS OF IOWA	MEETINGS	\$ 780.00
GRIMES, CITY OF	UTILITIES	\$ 5,966.80
GRP & ASSOCIATES	CONTRACT DISPOSAL	\$ 2,115.00
HALE TRAILER BRAKE & WHEEL, INC	THIRD PARTS/LABOR	\$ 31,601.89
HANIFEN CO. INC.	PARTS/LABOR	\$ 1,792.75
HDR ENGINEERING, INC.	ENGINEERING SERVICES	\$ 113,088.54
HEAVY HIGHWAY FRINGE BENEFIT ADMINISTRATION CO.	MEDICAL INSURANCE	\$ 615.00
HEMSTRA TRUCKING LLC	LEACHATE PROCESSING	\$ 8,160.00
HIRE QUALITY SOLUTIONS	TEMPORARY LABOR	\$ 1,380.20
HOLICKY BROS LOGISTICS	THIRD PARTY PARTS/LABOR	\$ 5,176.82

HOTSY CLEANING SYSTEMS	PARTS/LABOR	\$ 940.62
HOUSBY HEAVY EQUIPMENT	PARTS/LABOR/PREVENTIVE MAINT	\$ 375.69
HOUSBY MACK, INC.	PARTS/LABOR/PREVENTIVE MAINT	\$ 40,802.95
INDEED, INC	ADVERTISING	\$ 2,358.61
INLAND TRUCK PARTS CO.	PARTS/LABOR/PREVENTIVE MAINT	\$ 25,426.53
INTEGRITY PRINTING LLC	OUTSIDE PRINTING	\$ 840.81
IOWA COMMUNITIES ASSURANCE POOL ADMINISTRATORS	PREPAID INSURANCE	\$ 2,324.00
IOWA DES MOINES SUPPLY, INC.	JANITORIAL SUPPLIES	\$ 622.41
IOWA DIVISION OF LABOR SERVICES	SITE PERMITS	\$ 175.00
IOWA DNR	SWAP GRANT 21-G550-08	\$ 1,388.89
IOWA FIRE EQUIPMENT COMPANY	FIRE ALARM/INSPECTION	\$ 424.00
IOWA LABORERS' DISTRICT COUNCIL HEALTH & WELFARE FUND	MEDICAL INSURANCE	\$ 55,232.82
IOWA PUMP WORKS	LEACHATE COLLECTION	\$ 400.00
IOWA REGIONAL UTILITIES ASSOCIATION	UTILITIES	\$ 50.90
IOWA STAFFING INC	TEMPORARY LABOR	\$ 2,880.00
IPERS	EMPLOYER'S SHARE OF IPERS	\$ 60,114.80
J. A. KING & CO	SITE MAINTENANCE/PARTS	\$ 43,509.47
JETCO, INC	LEACHATE MAINTENANCE/COLLECTIO	\$ 1,653.78
JIM HAWK TRUCK TRAILERS, INC.	EQUIPMENT/PARTS/LABOR	\$ 685.79
JOHNSON CONTROLS SECURITY SOLUTIONS LLC	ALARM/DETECTION MONITORING	\$ 287.17
JP PARTY RENTALS LLC	EMPLOYEE RECOGNITION	\$ 1,437.55
JUST MOVE IT, LLC	THIRD PARTY PARTS/LABOR	\$ 4,461.90
KABEL BUSINESS SERVICES	EMPLOYEE BENEFIT EXPENSE	\$ 13,438.22
KABEL BUSINESS SERVICES	SERVICE FEES	\$ 54.90
KAL SERVICES, INC.	YARD WASTE COLLECTION	\$ 567.94
KELLY D RICE	PARTS/LABOR	\$ 3,072.00
KEY COOPERATIVE	EQUIPMENT FUEL	\$ 22,094.45
KNAPP	MANAGEMENT FEE	\$ 2,211.42
KNAPP	SITE MAINTENANCE	\$ 857.00
KOCH BROTHERS	OFFICE SUPPLIES	\$ 1,618.73
LARRY A ANDERSON & MARILYN J ANDERSON DBA WHITE FOX FARMS, LLC	WET LANDS	\$ 8,450.00
LARRY'S WINDOW SERVICE, INC.	BUILDING SERVICES	\$ 473.00
LRI GRAPHICS	SITE MAINTENANCE	\$ 962.12
LUBE-TECH & PARTNERS, LLC	EQUIPMENT FUEL	\$ 9,183.63
MCCLOUD & CO, INC	PEST CONTROL	\$ 300.20
MCMMASTER-CARR SUPPLY CO.	LEACHATE MAINTENANCE/COLLECTIO	\$ 104.03
MENARDS-ALTOONA	SUPPLIES	\$ 1,066.56
MENARDS-CLIVE	SUPPLIES	\$ 151.13
MENARDS-GRIMES	SUPPLIES	\$ 998.60
MHC KENWORTH - DES MOINES	PARTS/LABOR/PREVENTIVE MAINT	\$ 24,730.04
MID IOWA OCCUPATIONAL TESTING	PRE-EMPLOYMENT	\$ 1,200.00
MIDAMERICAN ENERGY	UTILITIES	\$ 42,385.84
MIDLAND POWER COOPERATIVE	UTILITIES	\$ 681.71
MIDWEST ALARM SERVICES	ALARM/DETECTION MONITORING	\$ 399.96
MIDWEST WHEEL COMPANIES	PARTS	\$ 3,726.89
MMC CONTRACTORS IOWA, INC.	BLDG REPAIRS/SITE MAINTENANCE	\$ 4,716.74
MOTOR PARTS WAREHOUSE, INC	PARTS/SMALL TOOLS/SUPPLIES	\$ 983.61
MSS, INC	PARTS	\$ 2,644.71
MURPHY TRACTOR & EQUIPMENT CO.	PREVENTIVE MAINTENANCE	\$ 3,305.51
NATIONAL MINERALS CORPORATION	FLY ASH	\$ 134,662.89
NATIONWIDE OFFICE CLEANERS LLC	JANITORIAL SERVICES	\$ 984.42
ODORAGON	PARTS	\$ 182.00
ONE SOURCE	BACKGROUND CHECKS	\$ 140.60
O'REILLY AUTO PARTS	PARTS/SMALL TOOLS/SUPPLIES	\$ 4,129.26
OTIS	ELEVATOR INSPECTION	\$ 413.43
PACK 0022	CAN REDEMPTION	\$ 173.50
PALMER GROUP	TEMPORARY LABOR	\$ 10,041.50
PAYLOCITY	PROCESSING FEE	\$ 2,398.10
PETERBILT OF DES MOINES	PARTS/LABOR/PREVENTIVE MAINT	\$ 12,242.42
POLK COUNTY TREASURER	PROPERTY TAXES	\$ 66,255.00
PRAXAIR DISTRIBUTION INC.	WELDING SUPPLIES	\$ 299.36
PROSPERITY JANITORIAL	JANITORIAL SERVICES	\$ 3,316.68
QPS EMPLOYMENT GROUP, INC	STAFFING	\$ 17,485.44
QUICK OIL CO.	EQUIPMENT FUEL	\$ 247,452.15
RACHEL VANCE	MILEAGE REIMBURSEMENT	\$ 50.00
RAIN AND HAIL LLC	FARM EXPENSE	\$ 1,129.00
RANDALL T GAVIN DBA O.A. TECHNICAL SERVICES	LEACHATE WELL MAINTENANCE	\$ 1,714.00
RED WING SHOE STORE	HEALTH/SAFETY	\$ 1,339.98
REHRIG PACIFIC COMPANY	CURBSIDE CART EXPENSE/REPAIR	\$ 86,138.00
RELIANCE STANDARD LIFE	INSURANCE PREMIUM	\$ 10,631.85
REPUBLIC COMPANIES	CONTRACT DISPOSAL	\$ 200.00
RESULTS GROUP LLC	CONSULTING/PROF SERVICE/DUES	\$ 8,850.00
ROAD MACHINERY & SUPPLIES, CO.	PARTS/PREVENTIVE MAINTENANCE	\$ 803.97
ROCKMOUNT RESEARCH & ALLOYS, INC.	SHOP TOOLS/SUPPLIES	\$ 305.50
ROYAL PALM MARKETING	PUBLIC INFORMATION/PROMOTION	\$ 350.00
RSM US LLP	CONSULTING/PROF SERVICE/DUES	\$ 6,612.00
RSM US PRODUCT SALES LLC	COMPUTER SUPPLIES/MAINT/FEES	\$ 2,944.50
RUNNELLS, CITY OF	MWA GRANT PROGRAM	\$ 1,000.00
SAFETY-KLEEN SYSTEMS, INC	SUPPLIES	\$ 334.13
SCS ENGINEERS, PC	ENGINEERING SERVICES	\$ 1,487.25
SECURITY EQUIPMENT INC	SITE MAINTENANCE	\$ 60.00
SECURITY EQUIPMENT INC	BUILDING REPAIRS	\$ 224.00
SENECA COMPANIES	LEACHATE COLLECTION	\$ 383.56
SENECA TANK	PARTS	\$ 450.00
SHERWIN-WILLIAMS CO.	BUILDING SUPPLIES	\$ 279.94
SIERRA INTERNATIONAL MACHINERY LLC	PARTS	\$ 80.76
SINK PAPER & PACKAGING	YARD BAG STORAGE/DISTRIBUTION	\$ 2,810.23
SIoux CITY TARP, INC	PARTS	\$ 5,190.22
SMART CLEAN LLC	JANITORIAL SERVICES	\$ 1,280.00
SNAP-ON TOOLS	SHOP TOOLS/SUPPLIES	\$ 1,204.50
SOCIAL SECURITY ADMINISTRATION	EMPLOYER'S SHARE OF FICA	\$ 45,323.66
SOUTHEAST POLK COMM SCHOOL-HOST	HOST FEES	\$ 9,449.73
SPINUTECH	WEBSITE/SOCIAL MEDIA	\$ 765.00

ST. PAUL PRESBYTERIAN CHURCH	MWA GRANT PROGRAM	\$ 1,000.00
STRAUB MARKETING	EMPLOYEE RECOGNITION	\$ 180.00
SUMMIT COMPANIES	FIRE EXTINGUISHER	\$ 795.00
THE BERNARD FIRM PLC	LEGAL EXPENSE	\$ 5,000.00
THE HOME DEPOT PRO	OFFICE SUPPLIES	\$ 124.17
TIFCO INDUSTRIES	PARTS/SMALL TOOLS/SUPPLIES	\$ 1,236.45
TITAN MACHINERY	PARTS	\$ 5,701.07
TOTER, LLC	CURBSIDE CART EXPENSE/REPAIR	\$ 12,105.85
TREASURER STATE OF IOWA	SALES TAX	\$ 14,780.07
TRI-COUNTY REFRIGERATION	BUILDING REPAIRS	\$ 2,451.78
TROOP 22 - BOYS	CAN REDEMPTION	\$ 486.75
TROOP 22 - GIRLS	CAN REDEMPTION	\$ 371.50
TRUENORTH COMPANIES	DUES/SUBSCRIPTION/FEE	\$ 11,756.65
ULINE	OFFICE SUPPLIES	\$ 1,277.91
VAN METER INC	PARTS	\$ 1,807.30
VAN WALL EQUIPMENT	PARTS/LABOR/PREVENTIVE MAINT	\$ 986.77
VANDER HAAG'S INC.	PARTS	\$ 17.44
VANTAGEPOINT TRANSFER AGENTS	EMPLOYER'S SHARE DEFERRED COMPENSATION	\$ 10,986.90
VERIZON WIRELESS	COMPUTER SUPPLIES/MAINTENANCE	\$ 450.73
VERMEER SALES & SERVICE INC.	PARTS	\$ 5,911.97
WALTER LONG	REIMBURSEMENT	\$ 31.78
WASTE CONNECTIONS, INC.	WASTE COLLECTION/TIRE PROCESSI	\$ 187,111.74
WASTE MANAGEMENT OF IOWA	CURBSIDE/DROP OFF/WASTE COLL	\$ 357,816.62
WASTE SOLUTIONS OF IOWA	BUILDING SERVICES	\$ 1,567.42
WEST BANK	CREDIT CARD PAYMENT FOR MISC OFFICE AND TRAVEL EXPENSES	\$ 18,873.25
WEX	FUEL	\$ 3,381.52
XENIA RURAL WATER DISTRICT	UTILITIES	\$ 66.50
ZIEGLER, INC.	PART/LABOR/PREV MAINT/SUBSCRIP	\$ 27,900.43
GRAND TOTAL		\$ 3,672,331.91

The MWA Executive Director and the Deputy Director certify that the above MWA bills paid are properly due and have been made in accordance with the operating and expenditure processes established by MWA.



Michael McCoy, Executive Director



Leslie Irlbeck, Deputy Director

Metro Waste Authority Board
Monthly Board Meeting
October 18, 2023
CONSENT AGENDA ITEM 7

ITEM:

Approval of Purchase of Semi Tractor for Metro Recycling Facility

SUMMARY:

New single stream contracts and continued efforts to internalize commodity deliveries has yielded semi tractor utilization greater than five days per week.

DISCUSSION POINTS:

Metro Recycling Facility (MRF) is currently borrowing a transfer station tractor to support operations. Purchase of this semi tractor, as currently designed with a push axle, will allow for the legal hauling of ten additional tons of material, creating significant transportation efficiencies in our current lanes and adding capacity for new business.

The FY23/24 budget includes capital funds totaling \$200,000 to purchase a roll-off truck for the MRF, which at present is not needed. The budgeted capital funds would better meet agency needs if utilized for the purchase of a semi tractor.

STAFF RECOMMENDATION:

Staff recommends approval to purchase the semi tractor.

BUDGET REQUIREMENTS:

Funds are available in the FY23/24 capital expenditures budget. The budgeted line totals \$200,000.

ATTACHMENTS:

- Peterbilt Quote: \$193,311

CONTACT:

Dan Haag, recycling administrator, 515.333.4430



Peterbilt Of Des Moines (S271)
5825 Se Delaware Ave.
Ankeny, IOWA 50021

Stock

Ben Cran
Cell Phone:
Office Phone:
Email: bcran@pbtruck.com

Stock Order

Customer Quote

Equipment

Quantity:	1
Truck Price:	\$262,688
Dealer Options:	\$0
Extended Warranty:	\$0
Equipment Price:	\$202,270
Surcharges Not Subject to Discount:	\$99
Options Not Subject to Discount:	\$0
Factory Freight Cost:	\$3,525

Total Equipment Price: \$205,894

NET Sale Price: **\$193,311**

Miscellaneous

FET Tire Credit:	\$0
Net Chassis FET:	\$0
State Tax:	\$0
Body/Trailer/Accessories FET:	\$0
Fees:	\$0
Other:	\$500

Quotation Total: **\$193,311**

This quotation worksheet is provided to aid dealers in their pricing efforts. Since PACCAR Inc and its truck divisions have no control over data input and various transactional circumstances that may affect the FET calculation, it is not to be considered tax advice. The dealer should consult his own tax advisor for the proper calculation of any taxes under the variety of circumstances, which may occur.

Unpublished options may require review/approval.

Dimensional and performance data for unpublished options may vary from that displayed.

Price Level: January 1, 2023

Date: August 25, 2023

Deal: Metro Waste 567

Quote Number: QUO-1059900-W7C3Z9

Printed On: 8/25/2023 11:41:15 AM

Metro Waste Authority Board**Monthly Board Meeting****October 18, 2023****CONSENT AGENDA ITEM 8**

ITEM:

Approval of Purchase of Case 580 Quad Track for Metro Park East Landfill.

SUMMARY:

A quad track tractor is used to haul dirt for daily cover and to build terraces. The quad track pulls a scraper that carries the dirt. The FY23/24 budget includes \$750,000 for the purchase of a quad track tractor and scraper for Metro Park East Landfill (MPE).

DISCUSSION POINTS:

Staff are recommending the purchase of a new Case 580 Quad Track Tractor from Titan Machinery at a cost of \$638,900. The recommended unit is consistent with others already on site, so would be included in current maintenance contracts, and parts are already kept in inventory at MPE.

Currently, only one quad track is on site at MPE. In the event it goes down, up to three employees are required to operate multiple pieces of equipment to haul dirt required for daily cover.

Instead of buying a new scraper, staff recommends refurbishing an existing scraper at a cost of \$12,000, as opposed to over \$189,000 for new.

STAFF RECOMMENDATION:

Staff recommends approval to purchase Case 580 Quad Track Tractor and refurbish existing scraper.

BUDGET REQUIREMENTS:

The FY23/24 Capital Expenditures budget includes \$750,000 for the quad track and scraper. The bids for the new tractor and refurbished scraper are under budget.

ATTACHMENTS:

- Titan Machinery Quote: \$638,900
- Rueter's Quote: \$636,500

CONTACT:

Brian Wambold, disposal operations manager, 515.333.4447



2290 NE 54th Avenue
 Phone: 515-333-1037

DATE September 7, 2023
Quotation #
SALES ID: Tyler Bartels

Quoted to:

Quotation valid until: 9/30/23 pending availability

Metro Waste

QTY.	Description	Product ID	PRICE
1	Case 580QS		\$644,400.00
	Stucchi Couplers, Scraper Valve Manifolds		included
	Luxury Technology Cab, AFS Pro 1200, AccuGuide Ready		included
	True Ground Speed Radar, Hydraulic Trailer Brakes		included
	Dual Beacon Light , Performance Lighting , LED Cab Roof Lights		included
	Cold Weather Starting Aid , Engine Brake		included
	Backup Alarm , 4 Spool Valve, Two Pumps		included
	Front Bumper weight with Grill Guard, Tow Cable		included
	High Cap Bar Axles with Diff Lock		included
	5 year Telematics		included
	NO KTEC HITCH		-\$5,500.00
	Delivery		included
	2YR 2000 HR Warranty		
	Travel time and mileage covered by Titan while under base warranty for warranty repairs		
TOTAL PRICE			\$638,900

QTY.	Description of Trade - In	PRODUCT ID	PRICE
Trade in Allowance			\$ -
Balance			\$ 638,900.00
TOTAL DUE			\$638,900.00

THANK YOU FOR YOUR BUSINESS!



Purchase Order

Rueter's
 306 4th St
 Grand Junction, IA 50107
 515-738-3571

Date	September 28, 2023
Salesman	Seth Connolly
Phone	515-207-9607
Email	sconnolly@rueterco.com

Customer:

Metro Waste Authority
 12181 NE University Ave
 Mitchellville, IA 50169
 515-967-2076

Model:

2023 Case 580Q

Sale Items	Line Total
2023 Case 580Q Scraper Luxury Cab, Cold Weather Start, Front Bumper, True Ground Speed, Performance Lighting, LED Cab Roof Lights 30" Conti XP Armorlug Tracks, Twin Flow Pumps, Stucchi Couplers, Grill Guard 6 Month Rental 100% Applied (6 Months @ \$23K/Month)	636,500.00
Trade Items (if Applicable)	
Warranty Information	
Warranty information has been provided to customer: Yes <input type="checkbox"/>	

Special Notes and Instructions
 Case 580Q Warranty: 2 Year / 2,000 Hours

Subtotal	\$	636,500.00
Trade (if applies)	\$	-
Tax% (if applies)	%	0.00
Tax Amount	\$	-
Total	\$	636,500.00

Above information is not an invoice and only an estimate of the services or goods described above.

Please confirm your acceptance of this quote by signing this document

Signature

Print Name

Date

Thank you for your business!

Metro Waste Authority Board
Monthly Board Meeting
October 18, 2023
CONSENT AGENDA ITEM 9

ITEM:

Approval of P-64 Metro Park West Cell D Liner and Greene County Landfill Improvement Project Completion and Final Payment

SUMMARY:

Construction of Cell D and improvements to Greene County Landfill have been inspected and deemed complete.

DISCUSSION POINTS:

The Board approved construction and construction oversight of P-64 in March 2023 at a cost up to \$3,897,251.80. The project came in on budget and did not utilize contingency funds.

STAFF RECOMMENDATION:

Staff recommends the approval of final completion and closeout of P-64.

BUDGET REQUIREMENTS:

Funds were budgeted in FY22/23 Capital Expenditures for construction and construction oversight of Cell D at MPW. The total cost for the construction project and construction oversight is within the approved amount.

ATTACHMENTS:

- Pay App 5
- Pay App 6

CONTACT:

Brian Wambold, disposal operations manager, 515.333.3447



Contractor's Application for Payment No. 5

Application Period: 08/01/2023 thru 08/31/23		Application Date: 8/29/2023
To (Owner): Metro Waste Authority	From (Contractor): C.J. Moyna & Sons, LLC	Via (Engineer): HDR
Project: P-64 MPW Cell D Liner & Green Co. LF Improvements	Contract: P-64 MPW Cell D Liner & Green Co. LF Improvements	
Owner's Contract No.:	Contractor's Project No.:	Engineer's Project No.: 10359069

**Application For Payment
Change Order Summary**

Approved Change Orders				
Number	Additions	Deductions		
1	\$38,887.50		1. ORIGINAL CONTRACT PRICE.....	\$ 33,694,378.80
			2. Net change by Change Orders.....	\$
			3. Current Contract Price (Line 1 ± 2).....	\$ 33,694,378.80
			4. TOTAL COMPLETED AND STORED TO DATE	
			(Column F total on Progress Estimates).....	\$ 33,548,670.50
			5. RETAINAGE:	
			a. 5% X \$3,548,670.50 Work Completed.....	\$ 177,433.53
			b. 5% X _____ Stored Material.....	\$
			c. Total Retainage (Line 5.a + Line 5.b).....	\$ 177,433.53
			6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5.c).....	\$ 33,371,236.98
			7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application).....	\$ 33,357,936.98
			8. AMOUNT DUE THIS APPLICATION.....	\$ 13,300.00
			9. BALANCE TO FINISH, PLUS RETAINAGE	
			(Column G total on Progress Estimates + Line 5.c above).....	\$ 323,141.83
TOTALS	\$38,887.50			
NET CHANGE BY CHANGE ORDERS		\$38,887.50		

Contractor's Certification
 The undersigned Contractor certifies, to the best of its knowledge, the following:
 (1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
 (2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all Liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such Liens, security interest, or encumbrances); and
 (3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Payment of: \$ 13,300.00
 (Line 8 or other - attach explanation of the other amount)

is recommended by: *Ash L* 9/29/23
 (Engineer) (Date)

Payment of: \$ _____
 (Line 8 or other - attach explanation of the other amount)

is approved by: _____

GL Code:
30-5410-001

Contractor Signature	
By: Grant Imoehl	Date: 8/29/2023

Approved by:

_____	_____
(Owner)	(Date)
_____	_____
Funding or Financing Entity (if applicable)	(Date)

Progress Estimate - Lump Sum Work

Contractor's Application

08/01/2023 thru 08/31/23

8/29/2023

For (Contract):		P-64 MPW Cell D Liner & Green Co. LF Improvements			Application Number: 5			
Application Period:		08/01/2023 thru 08/31/2023			Application Date: 8/29/2023			
Specification Section No.	A Description	B Scheduled Value (\$)	Work Completed		E Materials Presently Stored (not in C or D)	F		G Balance to Finish (B - F)
			C From Previous Application (C+D)	D This Period		Total Completed and Stored to Date (C + D + E)	% (F / B)	
101	101 Mobilization, demobilization, and all work not included in Bid Item Nos. 1	\$930,000.00						
	Mobilization	\$220,000.00	\$220,000.00			\$220,000.00	100.0%	
	Demobilization	\$60,000.00	\$60,000.00			\$60,000.00	100.0%	
1	Project Management	\$200,000.00	\$200,000.00			\$200,000.00	100.0%	
	Temporary Facilities	\$20,000.00	\$20,000.00			\$20,000.00	100.0%	
	Bonds & Insurance	\$180,000.00	\$180,000.00			\$180,000.00	100.0%	
	Record Documentation and Surveys	\$50,000.00	\$50,000.00			\$50,000.00	100.0%	
	Field Engineering Layout and Control	\$50,000.00	\$50,000.00			\$50,000.00	100.0%	
	Topsoil Stripping	\$10,000.00	\$10,000.00			\$10,000.00	100.0%	
	Pumping	\$50,000.00	\$50,000.00			\$50,000.00	100.0%	
	Erosion Control/Ditching	\$40,000.00	\$40,000.00			\$40,000.00	100.0%	
	Soils Testing	\$50,000.00	\$50,000.00			\$50,000.00	100.0%	
102	Construct Cell D Liner and Leachate Collection System	\$1,200,000.00						
	Exterior Grading	\$450,000.00	\$450,000.00			\$450,000.00	100.0%	
	Groundwater Control System	\$220,000.00	\$220,000.00			\$220,000.00	100.0%	
	Recompacted Clay Liner	\$56,000.00	\$56,000.00			\$56,000.00	100.0%	
	Soils Testing	\$40,000.00	\$40,000.00			\$40,000.00	100.0%	
	Liner Perimeter	\$60,000.00	\$60,000.00			\$60,000.00	100.0%	
	60-mil HDPE Geomembrane	\$100,000.00	\$100,000.00			\$100,000.00	100.0%	
	Liner System Geotextile	\$40,000.00	\$40,000.00			\$40,000.00	100.0%	
	Leachate Collection Line - PVC	\$180,000.00	\$180,000.00			\$180,000.00	100.0%	
	TV Inspection of Leachate Lines	\$2,000.00	\$2,000.00			\$2,000.00	100.0%	
	12-mil Geomembrane Rain Cover	\$50,000.00	\$50,000.00			\$50,000.00	100.0%	
	Straw Mulch	\$2,000.00		\$2,000.00		\$2,000.00	100.0%	
103	Construct Greene Co Landfill Improvements	\$1,090,000.00						
	Site Prep	\$50,000.00	\$50,000.00			\$50,000.00	100.0%	
	Demolition	\$10,000.00	\$10,000.00			\$10,000.00	100.0%	
	General Earthwork including bulk excavation and stockpiling, trenching, processing, backfilling, embankment, and compacting	\$700,000.00	\$700,000.00			\$700,000.00	100.0%	
	Temporary leachate management	\$5,000.00	\$5,000.00			\$5,000.00	100.0%	
	Temporary groundwater and stormwater management	\$2,500.00	\$2,500.00			\$2,500.00	100.0%	
	HDPE dual-contained pipe material and installation	\$10,000.00	\$10,000.00			\$10,000.00	100.0%	
	HDPE single-contained pipe material and installation	\$10,000.00	\$10,000.00			\$10,000.00	100.0%	
	HDPE pipe cleanouts	\$5,000.00	\$5,000.00			\$5,000.00	100.0%	
	HDPE access riser installation	\$50,000.00	\$50,000.00			\$50,000.00	100.0%	
	Sump lift station, pump, and appurtenant structures	\$20,000.00	\$15,000.00	\$5,000.00		\$20,000.00	100.0%	
	Electrical and Wiring Components/Install	\$2,500.00	\$2,500.00			\$2,500.00	100.0%	

Progress Estimate - Lump Sum Work

Contractor's Application

08/01/2023 thru 08/31/23

8/29/2023

For (Contract):		P-64 MPW Cell D Liner & Green Co. LF Improvements			Application Number: 5			
Application Period:		08/01/2023 thru 08/31/2023			Application Date: 8/29/2023			
		Work Completed		E	F		G	
A		B	C	D	Materials Presently Stored (not in C or D)	Total Completed and Stored to Date (C + D + E)	% (F / B)	Balance to Finish (B - F)
Specification Section No.	Description	Scheduled Value (\$)	From Previous Application (C+D)	This Period				
	Aggregate backfill	\$220,000.00	\$220,000.00			\$220,000.00	100.0%	
	Gas Collection Infrastructure Components	\$5,000.00	\$5,000.00			\$5,000.00	100.0%	
104	Construct Perimeter Road Surfacing	\$122,000.00						
	Culverts	\$20,000.00	\$20,000.00			\$20,000.00	100.0%	
	General Earthwork including placement of structural fill to reach base grades and fine grading.	\$7,000.00	\$7,000.00			\$7,000.00	100.0%	
	Aggregate base course	\$25,000.00	\$25,000.00			\$25,000.00	100.0%	
	Aggregate surface course	\$70,000.00	\$70,000.00			\$70,000.00	100.0%	
109	Allowance (5% of Total Combined Price of Items (101-108))	\$175,922.80	\$38,887.50			\$38,887.50		\$137,035.30
	Totals	\$3,517,922.80	\$3,373,887.50	\$7,000.00		\$3,380,887.50		\$137,035.30



Contractor's Application for Payment No. 6

Application Period: 08/31/2023 thru 09/07/23		Application Date: 9/7/2023
To (Owner): Metro Waste Authority	From (Contractor): C.J. Moyna & Sons, LLC	Via (Engineer): HDR
Project: P-64 MPW Cell D Liner & Green Co. LF Improvements	Contract: P-64 MPW Cell D Liner & Green Co. LF Improvements	
Owner's Contract No.:	Contractor's Project No.:	Engineer's Project No.: 10359069

**Application For Payment
Change Order Summary**

Approved Change Orders				
Number	Additions	Deductions		
1	\$38,887.50		1. ORIGINAL CONTRACT PRICE	\$ <u>\$3,694,378.80</u>
			2. Net change by Change Orders	\$ _____
			3. Current Contract Price (Line 1 ± 2)	\$ <u>\$3,694,378.80</u>
			4. TOTAL COMPLETED AND STORED TO DATE (Column F total on Progress Estimates).....	\$ <u>\$3,548,670.50</u>
			5. RETAINAGE:	
			a. 5% X <u>\$3,548,670.50</u> Work Completed.....	\$ <u>\$177,433.53</u>
			b. 5% X _____ Stored Material.....	\$ _____
			c. Total Retainage (Line 5.a + Line 5.b).....	\$ _____
			6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5.c)	\$ <u>\$3,548,670.50</u>
			7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application)	\$ <u>\$3,371,236.98</u>
			8. AMOUNT DUE THIS APPLICATION	\$ <u>\$177,433.53</u>
			9. BALANCE TO FINISH, PLUS RETAINAGE (Column G total on Progress Estimates + Line 5.c above).....	\$ <u>\$145,708.30</u>
TOTALS	\$38,887.50			
NET CHANGE BY CHANGE ORDERS		\$38,887.50		

Contractor's Certification
 The undersigned Contractor certifies, to the best of its knowledge, the following:
 (1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
 (2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all Liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such Liens, security interest, or encumbrances); and
 (3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Payment of: \$ \$177,433.53
 (Line 8 or other - attach explanation of the other amount)

is recommended by: *Adh L* 9/29/23
 (Engineer) (Date)

Payment of: \$ _____
 (Line 8 or other - attach explanation of the other amount)

is approved by: _____

GL Code:
30-5410-001

Contractor Signature	
By: Grant Imoehl	Date: 9/7/2023

Approved by:

_____	_____
(Owner)	(Date)
_____	_____
Funding or Financing Entity (if applicable)	(Date)

Progress Estimate - Lump Sum Work

Contractor's Application

Specification Section No.		Description	B	Work Completed		E	F		G
			Scheduled Value (\$)	C	D	Materials Presently Stored (not in C or D)	Total Completed and Stored to Date (C + D + E)	% (F / B)	Balance to Finish (B - F)
				From Previous Application (C+D)	This Period				
08/31/2023 thru 09/07/23									
For (Contract): P-64 MPW Cell D Liner & Green Co. LF Improvements					Application Number: 6				
Application Period: 08/31/2023 thru 09/07/23					Application Date: 9/7/2023				
101		101 Mobilization, demobilization, and all work not included in Bid Item Nos. 1	\$930,000.00						
		Mobilization	\$220,000.00	\$220,000.00			\$220,000.00	100.0%	
		Demobilization	\$60,000.00	\$60,000.00			\$60,000.00	100.0%	
1		Project Management	\$200,000.00	\$200,000.00			\$200,000.00	100.0%	
		Temporary Facilities	\$20,000.00	\$20,000.00			\$20,000.00	100.0%	
		Bonds & Insurance	\$180,000.00	\$180,000.00			\$180,000.00	100.0%	
		Record Documentation and Surveys	\$50,000.00	\$50,000.00			\$50,000.00	100.0%	
		Field Engineering Layout and Control	\$50,000.00	\$50,000.00			\$50,000.00	100.0%	
		Topsoil Stripping	\$10,000.00	\$10,000.00			\$10,000.00	100.0%	
		Pumping	\$50,000.00	\$50,000.00			\$50,000.00	100.0%	
		Erosion Control/Ditching	\$40,000.00	\$40,000.00			\$40,000.00	100.0%	
		Soils Testing	\$50,000.00	\$50,000.00			\$50,000.00	100.0%	
102		Construct Cell D Liner and Leachate Collection System	\$1,200,000.00						
		Exterior Grading	\$450,000.00	\$450,000.00			\$450,000.00	100.0%	
		Groundwater Control System	\$220,000.00	\$220,000.00			\$220,000.00	100.0%	
		Recompacted Clay Liner	\$56,000.00	\$56,000.00			\$56,000.00	100.0%	
		Soils Testing	\$40,000.00	\$40,000.00			\$40,000.00	100.0%	
		Liner Perimeter	\$60,000.00	\$60,000.00			\$60,000.00	100.0%	
		60-mil HDPE Geomembrane	\$100,000.00	\$100,000.00			\$100,000.00	100.0%	
		Liner System Geotextile	\$40,000.00	\$40,000.00			\$40,000.00	100.0%	
		Leachate Collection Line - PVC	\$180,000.00	\$180,000.00			\$180,000.00	100.0%	
		TV Inspection of Leachate Lines	\$2,000.00	\$2,000.00			\$2,000.00	100.0%	
		12-mil Geomembrane Rain Cover	\$50,000.00	\$50,000.00			\$50,000.00	100.0%	
		Straw Mulch	\$2,000.00	\$2,000.00			\$2,000.00	100.0%	
103		Construct Greene Co Landfill Improvements	\$1,090,000.00						
		Site Prep	\$50,000.00	\$50,000.00			\$50,000.00	100.0%	
		Demolition	\$10,000.00	\$10,000.00			\$10,000.00	100.0%	
		General Earthwork including bulk excavation and stockpiling, trenching, processing, backfilling, embankment, and compacting	\$700,000.00	\$700,000.00			\$700,000.00	100.0%	
		Temporary leachate management	\$5,000.00	\$5,000.00			\$5,000.00	100.0%	
		Temporary groundwater and stormwater management	\$2,500.00	\$2,500.00			\$2,500.00	100.0%	
		HDPE dual-contained pipe material and installation	\$10,000.00	\$10,000.00			\$10,000.00	100.0%	
		HDPE single-contained pipe material and installation	\$10,000.00	\$10,000.00			\$10,000.00	100.0%	
		HDPE pipe cleanouts	\$5,000.00	\$5,000.00			\$5,000.00	100.0%	
		HDPE access riser installation	\$50,000.00	\$50,000.00			\$50,000.00	100.0%	
		Sump lift station, pump, and appurtenant structures	\$20,000.00	\$20,000.00			\$20,000.00	100.0%	
		Electrical and Wiring Components/Install	\$2,500.00	\$2,500.00			\$2,500.00	100.0%	

Progress Estimate - Lump Sum Work

Contractor's Application

A		B	Work Completed		E	F		G
Specification Section No.	Description	Scheduled Value (\$)	From Previous Application (C+D)	This Period	Materials Presently Stored (not in C or D)	Total Completed and Stored to Date (C + D + E)	% (F / B)	Balance to Finish (B - F)
	Aggregate backfill	\$220,000.00	\$220,000.00			\$220,000.00	100.0%	
	Gas Collection Infrastructure Components	\$5,000.00	\$5,000.00			\$5,000.00	100.0%	
104	Construct Perimeter Road Surfacing	\$122,000.00						
	Culverts	\$20,000.00	\$20,000.00			\$20,000.00	100.0%	
	General Earthwork including placement of structural fill to reach base grades and fine grading.	\$7,000.00	\$7,000.00			\$7,000.00	100.0%	
	Aggregate base course	\$25,000.00	\$25,000.00			\$25,000.00	100.0%	
	Aggregate surface course	\$70,000.00	\$70,000.00			\$70,000.00	100.0%	
109	Allowance (5% of Total Combined Price of Items (101-108))	\$175,922.80	\$38,887.50			\$38,887.50		\$137,035.30
	Totals	\$3,517,922.80	\$3,380,887.50			\$3,380,887.50		\$137,035.30

Progress Estimate - Unit Price Work

5 **Contractor's Application**

08/31/2023 thru 09/07/23

9/7/2023

For (Contract): P-64 MPW Cell D Liner & Greene Co. LF Improvements						Application Number: 6					
Application Period: 08/31/2023 thru 09/07/2023						Application Date: 9/7/2023					
A				B	C	D	E	F			
Item		Contract Information				Estimated Quantity Installed	Value of Work Installed to Date	Materials Presently Stored (not in C)	Total Completed and Stored to Date (D + E)	% (F / B)	Balance to Finish (B - F)
Bid Item No.	Description	Item Quantity	Units	Unit Price	Total Value of Item (\$)						
	Totals				\$176,456.00		\$167,783.00		\$167,783.00	95.1%	\$8,673.00

38887.5

Metro Waste Authority Board
Monthly Board Meeting
October 18, 2023
AGENDA ITEM 10

ITEM:

Approval of Sorting Robots Lease for Metro Recycling Facility

SUMMARY:

Automation in the form of robots and artificial intelligence (AI) provides the best solution to address revenue leakage of high value commodities on the Metro Recycling Facility (MRF) last-chance line.

DISCUSSION POINTS:

Robots can pick on average 45-60 picks per minutes with 80% efficacy, which is 2-3 times greater than a human sorter. Data collection from the Vision System (AI) system will provide detailed analytics in real-time to aid with operational decision making. Robots have an average lifespan of approximately 10 years. Sorters currently assigned to the last-chance line would be transferred to other areas of the facility; no employees would be displaced due to added automation.

The 5-year lease option for the robots is \$60,000/year/robot with a one-time installation cost of \$6,500/robot. The annual lease includes all robotics hardware, Vision System (AI) hardware, Vision System software and support, and all consumable (suction cups, wear parts, etc.). At the end of the lease term, the robot and Vision System hardware can be purchased for approximately \$5,000 per unit. The lease cost per year is nearly equivalent to the salary and benefits of an entry level sorter at the MRF.

Project costs for installing and leasing three robots with the Vision System will total \$249,500 (annual lease = \$180,000; installation = \$19,500; and project accessorial costs = \$50,000).

STAFF RECOMMENDATION:

Staff recommends leasing three robots with artificial intelligence systems.

BUDGET REQUIREMENTS:

Funds are available in FY23/24 Capital Expenditures. Unused funds of \$166,000 from the optical sorter project and \$145,000 budgeted for a SCADA system that will not be needed due to the AI integrated with the robots. These unused funds total \$310,600. All costs for subsequent lease years will be budgeted in the respective fiscal year.

ATTACHMENTS:

- Everestlabs Quote

CONTACT:

Dan Haag, recycling administrator, 515.333.4430

PURCHASE OPTION

Line #	Line Name	Component	Quantity	Term	Unit Price	1x Price	Quarterly Price	Annual Price	Total Price
TBD	TBD	Robotics Hardware	1	na	\$ 125,000.00	\$ 125,000.00	na	na	\$ 125,000.00
		Vision System Hardware	1	na	inc	na	na	na	\$ -
		RecycleOS SW	1	5	\$ 40,000.00	\$ -	\$ 10,000.00	\$ 40,000.00	\$ 200,000.00
		Implementation Support	1	na	\$ 10,000.00	\$ 10,000.00	na	na	\$ 10,000.00
Included in all lines above		Std Warranty (2 years)	1	2	inc	na	na	na	\$ -
		Consumables over life of contract	na	3	inc	na	na	na	\$ -
		Professional Svcs monitoring and Reporting	na	3	inc	na	na	na	\$ -
Total						\$ 135,000.00	\$ 10,000.00	\$ 40,000.00	\$ 335,000.00

For Robots Installation: Customer can use their preferred installation vendor and pay them directly

5 YEAR LEASE

Line #	Plant Name	Component	Quantity	Term	Unit Net Price	1x Price	Ext Quarterly Price	Ext Annual Price	Total Price
TBD	TBD	RecycleOS - Robotics	1	5	\$ 60,000.00	na	\$ 15,000.00	\$ 60,000.00	\$ 300,000.00
		RecycleOS - Vision System	1	5	inc	na	na	na	\$ -
		Implementation Support	1	na	\$ 6,500.00	\$ 6,500.00	na	na	\$ 6,500.00
Included in all lines above		Std Warranty (2 years)	1	2	inc	na	na	na	\$ -
		Ext'd Warranty	1	3	inc	na	na	na	\$ -
		Consumables over life of contract	na	5	inc	na	na	na	\$ -
		Professional Svcs monitoring and Reporting	na	5	inc	na	na	na	\$ -
TBD		Estimated Shipping and Handling	1	na	cost	cost	na	na	tbd
TOTAL						\$ 6,500.00	\$ 15,000.00	\$ 60,000.00	\$ 306,500.00

- Pricing includes Cage and Pedestal