

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

MEMORANDUM

DATE: June 11, 2021

- TO: MWA Board Members
- CC: MWA Staff
- FROM: Michael McCoy, Executive Director
- **RE:** Wednesday, June 16, 2021 Board Meeting

This month's board meeting is scheduled for Wednesday, June 16, 2021, 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 323.6535 (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

- 8. <u>Resolution 06-21-03 Approval of Yard Waste Transportation and Disposal Agreement with KAL Services Action for Approval</u> The agreement allows KAL Services to transport and dispose of residential yard waste at Metro Park East Landfill from the City of Pella. Metro Waste Authority (MWA) sells Compost It! bags and stickers to KAL Services. In turn, they make bags and stickers available to residents, for the City of Pella to offer the Compost It! program to residents. Staff recommends approval.
- <u>Resolution 06-21-04 Approval of Yard Waste Transportation and Disposal Agreement</u> <u>with City of Pella – Action for Approval</u> Agreement allows the City of Pella to offer the Compost It! program to its residents. The City of Pella contracts yard waste collection with KAL Services.
- Resolution 06-21-05 Approval of Building Management Contract for Central Office <u>Action for Approval</u> MWA utilizes a third party to manage needs of tenants, maintenance, and overall building needs at 300 E. Locust St. Staff recommend moving building management to Knapp Properties.

Regular Agenda Items for Approval

- 11. <u>Resolution 06-21-06 Approval of Recommendation of Executive Director's FY 20/21</u> <u>Review and FY 21/22 Salary Adjustment – Action Item</u> A performance review for Executive Director Michael McCoy, was performed by the Chair of the Metro Waste Authority Board of Directors Ron Pogge, and a committee comprised of Mark Holm, David Gisch, Tom Cope, Dean O'Connor, and Tom Hockensmith. Ten performance reviews were submitted and reviewed. Overall performance ratings and comments were positive and indicated that McCoy exceeded Board expectations for FY 20/21. Recommend for approval.
- Resolution 06-21-07 Approval of Price Increase for Commercial Compost Purchases Action Item
 Staff is recommending the price of bulk compost purchase for commercial customers increase from \$10 per cubic yard to \$15 per cubic yard.
- 13. <u>Resolution 06-21-08 Approval of Master Plan Project for Metro Park East and Metro Park West Landfill Action Item</u> MWA owns and operates two prominent landfills in the Des Moines metro area, which serves as the cornerstone for solid waste services for the planning area. MWA is undertaking a Master Plan effort to optimize the life of its assets and provide a clear and efficient vision for managing these facilities and programs. Staff recommends approval.
- 17. <u>Resolution 06-21-09 Approval of Internet and Security Hardware for the Material Recovery Facility Action Item</u> MWA received bids for the internet hardware for the Material Recovery Facility (MRF), including the Education Center and security system for the interior and exterior monitoring of the MRF. A bid from RSM was received for the internet hardware. Communication Innovators submitted a bid for the security system.
- Resolution 06-21-10 Approval of Wizard and Scale for the Material Recovery <u>Facility</u> – Action Item MWA received a bid from JA King for two scales at the MRF and a bid from Waste Works for four Waste Wizards for the two scales at the MRF.
- Resolution 06-21-11 Approval of Build Agreement with Split Rock for Material Recovery Facility Education Center Exhibits – Action Item Following MWA's Design Agreement for exhibit partnership, we are at the next phase of exhibit creation, which is the build agreement. The scope of work for this next and final phase is pre-production, production, installation, and warranty.



Board of Directors 2021 Calendar Year

> Ron Pogge Chair

David Gisch Vice-Chair

Dean O'Connor Altoona

> Mark Holm Ankeny

Wes Enos Bondurant

John Edwards Clive

Joe Gatto Des Moines

Steve Allen Elkhart

David Gisch Grimes

Tom Cope Johnston

Bill Roberts Mitchellville

> Ed Kuhl Norwalk

Dean Cooper Pleasant Hill

Rob Sarchet Polk City

Tom Hockensmith Polk County

> Gerald Lane Runnells

Ron Pogge Urbandale

Steve Gaer West Des Moines

Susan Skeries Windsor Heights

Michael McCoy Executive Director

Metro Waste Authority Board Meeting June 16, 2021

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

Members of the public wishing to attend this meeting in person may do so at the MWA Central Office, where seats will be arranged to allow for social distancing. Masks will be available and are mandatory for public guests. Additional CDC recommendations will be implemented.

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 May 19, 2021 Metro Waste Authority Board Meeting Action for Approval
- 6. Resolution 06-21-01 Consideration of April 2021, Financial Statements Action to Receive and File
- 7. Resolution 06-21-02-Consideration of May 2021, Monthly Expenditures Action for Approval
- 8. Resolution 06-21-03 Approval of Yard Waste Transportation and Disposal Agreement with KAL Services - Action for Approval
- 9. Resolution 06-21-04 Approval of Yard Waste Transportation and Disposal Agreement with City of Pella - Action for Approval
- 10. Resolution 06-21-05 Approval of Building Management Contract for Central Office - Action for Approval

END CONSENT AGENDA

Regular Agenda Items for Approval – Items 11 through 17

- 11. Resolution 06-21-06 Approval of Recommendation of Executive Director's FY 20/21 Review and FY 21/22 Salary Adjustment Action Item
- 12. Resolution 06-21-07 Approval of Price Increase for Commercial Compost Purchases – Action Item



Page 2 of 2

MWA Board Meeting June 16, 2021

- 14. Discussion Return to Work/Light Duty Policy
- 15. Discussion Material Recovery Facility Cashflow Analysis
- 16. Discussion Material Recovery Facility Construction Update
- 17. Resolution 06-21-09 Approval of Internet and Security Hardware for the Material Recovery Facility Action Item
- 18. Resolution 06-21-10 Approval of Wizard and Scale for the Material Recovery Facility Action Item
- 19. Resolution 06-21-11 Approval of Build Agreement with Split Rock for Material Recovery Facility Education Center Exhibits Action Item
- 20. Closed session pursuant to Iowa Code 21.5.1(c) to discuss strategy with counsel in matters that are presently in litigation or where litigation is imminent where its disclosure would be likely to prejudice or disadvantage the position of the governmental body in that litigation.
- 21. Potential action item following closed session discussion of strategy with counsel in matters that are presently in litigation.
- 22. Director's Report
- 23. Chair's Report
- 24. General Board Discussion and Other Business
- 25. Correspondence
- 26. Adjournment

July Executive/Finance Meeting: July 7, 2021, MWA Central Office, 300 E. Locust Street, Ste 100, Des Moines, Iowa 50309, 12:00 pm.

July Board Meeting: July 21, 2021, 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

May 19, 2021, Unofficial Metro Waste Authority Board Meeting Minutes

1. <u>Call to Order</u>

The meeting was held at Metro Waste Authority's Central Office. Ron Pogge, chair, called the May 19, 2021, Metro Waste Authority Board Meeting to order at 5:45 PM. A quorum was present.

Roll Call – MWA Board Representatives/Alternates in Attendance Dean O'Connor, Altoona Mark Holm, Ankeny John Edwards, Clive Joe Gatto, Des Moines David Gisch, Grimes Rhonda Martin, Johnston Bill Roberts, Mitchellville Jon Woods. Mitchellville Ed Kuhl. Norwalk Dean Cooper, Pleasant Hill Rob Sarchet, Polk City Gerald Lane, Runnells Ron Pogge, Urbandale Bret Hodne, West Des Moines Susan Skeries, Windsor Heights

2. <u>Approval of Regular Agenda</u>

Moved by Clive, seconded by Altoona, to approve the May 19, 2021, board meeting agenda as amended. Motion carried unanimously by voice vote.

3. <u>Public Forum</u>

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:

- Approval of Consent Agenda Items 4 through 9 Moved by Clive, seconded by Altoona, to approve the Consent Agenda, items 4 through 9. Motion carried unanimously by voice vote.
- 5. Consideration of Minutes of April 21, 2021, Metro Waste Authority Board Meeting Action for Approval
- 6. Resolution 05-21-01 Consideration of March 2021, Financial Statement Action to Receive and file
- 7. Resolution 05-21-02 Consideration of April 2021, Monthly Expenditures -

Action for Approval

- 8. Resolution 05-21-03 Approval of Waste Management Solid Waste Extension Action for Approval
- 9. Resolution 05-21-04 Approval of Material Recovery Facility (MRF) payment to Polk County

END CONSENT AGENDA

Regular Agenda Items for Approval - Items 12 through 15

- 10. <u>Discussion of Glass Recycling, Single Steam vs. Source Separation</u> Michael McCoy, executive director, presented single stream vs. source separation for glass recycling. After assessing the enhanced technology used with the equipment at the new Material Recovery Facility, as well as other factors, glass will continue to be accepted in single stream recycling. Staff will also promote the agency's source separated drop-off options.
- 11. <u>Discussion of Compost Program Overview and Market Analysis</u> Leslie Irlbeck, deputy directory, presented an overview of the history and pricing of compost. Staff will present a detailed financial analysis at the June Board meeting.
- 12. <u>Resolution 05-21-05 Approval of MRF Furniture Action Item</u> Moved by Altoona, seconded by Grimes, to approve Resolution 05-21-05. Motion carried unanimously by voice vote.

McCoy, executive director, reported staff and ISG were intentional in planning furniture for the MRF. Life span, ambiance, and audience were considered, with the bids coming in well under budget.

Chelsie Oxenford, business marketing coordinator, explained additional furniture for the office space next to Suite 100 at Central Office was included with the RFP as the needs of both spaces are similar and allowed for more competitive pricing.

13. <u>Resolution 05-21-06 - Approval of MRF Equipment - Action Item</u> Moved by Des Moines, seconded by Altoona, to approve Resolution 05-21-06. Motion carried unanimously by voice vote.

Judi Mendenhall, director of recycling and diversion, considered equipment used by other material recovery facilities, as well as compatible equipment used at MWA, in the recommendations for equipment at the MWA MRF.

14. <u>Resolution 05-21-07 - Approval of Midland Davis Contract - Action Item</u> Moved by Clive, seconded by Grimes, to approve Resolution 05-21-07. Motion carried unanimously by voice vote.

McCoy, executive director, explained Midland Davis is a broker of cardboard (OCC) and mixed paper. The contract assures an outlet for the fiber, along with the pricing based on market value with a guaranteed floor price.

15. <u>Resolution 05-21-08 - Approval of Land Acquisition for Metro Park West Landfill - Action</u> <u>Item</u>

Moved by Clive, seconded by Grimes, to approve Resolution 05-21-08. Motion carried unanimously by voice vote.

Michael McCoy, executive director, reported the seller has agreed to sell Metro Waste Authority the parcel of approximately 3.0 acres, located north of MPW, for \$30,765.00.

16. Director's Report

McCoy reported staff were given a tour of the MRF this past Tuesday, it was exciting to see the progress. A tour for the board is anticipated in June.

McCoy showed a brief tour of Metro Central Transfer Station.

McCoy shared the ICAP settlement was \$100,000, minus our deductible, and that the agency is working on future claims related to theft by the former Director of Operations.

The June executive finance meeting will be held at Central Office (300 E. Locust Street, Ste. 100, Des Moines, Iowa) on Wednesday, June 2, 2021, at 12:00 pm.

The June board meeting will be held at Central Office (300 E. Locust Street, Ste. 100, Des Moines, Iowa) on Wednesday, June 16, 2021 at 5:45 pm.

17. Chair's Report

Ron Pogge, chair, requested board members complete the annual review emailed for Executive Director McCoy. Recommendations will be prepared at the June Executive Finance meeting for consideration at the June Board meeting.

Chairman Pogge invited board members who are fully vaccinated to attend the June meeting in person.

18. <u>General Board Discussion and Other Business</u> No report.

19. <u>Adjournment</u>

Moved by Clive, seconded by Des Moines, to adjourn the May 19, 2021, board meeting. Motion carried unanimously by voice vote. Meeting adjourned at 6:40 pm.

Michael McCoy, Executive Director

Ron Pogge, Chair

METRO WASTE AUTHORITY BILLS PAID IN MAY 2021

Vendor Name	Services Provided	Amount		
3E COMPANY	Health, safety, dues, subscrip	1,500.00		
ABM PARKING	Parking	6.000.00		
ACTERRA GROUP, INC.	Computer supplies/maint/fees	223.23		
AFLAC	Insurance premium	476.64		
ALLENDER BUTZKE ENGINEERS, INC.	Engineering fees	21,760.78		
AMERICAN EXPRESS	Waste/Yard collection expense	379,419.19		
AMERICAN SECURITY	Security	515.00		
ANKENY SANITATION	Waste/drop off/contract expens	308,018.38		
ARACELI GUZMAN	Mileage/expenses	409.42		
ARAMARK UNIFORM SERVICES, INC.	Rags/mats/supplies	1,341.85		
ASPEN WASTE SYSTEMS, INC.	Curbside/drop off/waste coll	4,200.00		
A-TEC RECYCLING, INC.	Contract disposal	2,267.62		
AUTOMATIC DOOR GROUP, INC.	Repair services	240.90		
AUTOMATION PRODUCTS GROUP, INC	Small equipment	2,452.95		
BOMA CENTRAL IOWA	Dues	650.00		
BONDURANT, CITY OF	Utilities	157.17		
BRICK GENTRY P.C.	Legal fees	8,758.50		
C & C MANUFACTURING, LLC	Parts/labor	303.07		
CAMP TOWNSHIP FIRE DEPT HOST FEES	Host fees	3,249.33		
CAPITAL CITY EQUIPMENT CO.	Equipment/parts/labor	534.90		
CAPITAL SANITARY SUPPLY CO INC	Office supplies	106.35		
CENTRAL STATES ROOFING	MRF	299,440.00		
CHRISTENSEN DEVELOPMENT 1 LLC	Consulting fees	10,000.00		
CITY GARDENS, INC	Site maintenance	3,837.00		
CITY OF PERRY	Leachate processing	3,880.25		
CLEAN DES MOINES, INC.	Janitorial services	1,104.00		
CLEAN HARBORS ENV. SERVICE INC	Contract disposal	11,870.29		
COMMONWEALTH ELECTRIC COMPANY	Site maintenance	6,565.09		
COMMUNICATION INNOVATORS INC	Computer supplies/maintenance/	142.50		
CONSTRUCTION & AGGREGATE PRODUCTS	Leachate maintenance/collectio	372.37		
CPI TECHNOLOGIES, LLC	Phone system	75.00		
CRYSTAL CLEAR	Office supplies	180.00		
CUTLER, SUSAN	Mileage/expenses	16.80		
DAN'S OVERHEAD DOORS 4	Building repairs	510.34		
DES MOINES MOBILE WASH, INC	Preventive maintenance	2,174.40		
DES MOINES WATER WORKS	Utilities	2,074.72		
DES MOINES, CITY OF	Lease/leachate processing	495.00		
DIAM PEST CONTROL	Pest control	318.00		
ECOPRO	Parts/labor	201.88		
EXCEL MECHANICAL CO., INC.	MRF	466,976.30		
EXPRESS LAUNDRY	Floor mats	187.50		
FERRELLGAS	Utilities/equipment fuel	829.70		
FINISHING TOUCHEZ	Site maintenance	133.00		
FLYNN WRIGHT	Public information/promotion	29,170.76		
FOX VALLEY FIRE & SAFETY CO INC	Parts/labor	11,858.00		
GARLAND'S INC.	Self dumping hopper	865.00		
GENERAL FIRE & SAFETY EQUIPMENT	Fire Extinguisher	70.00		
GHD SERVICES INC	Professional fees	200.00		
GRAHAM CONSTRUCTION CO.	MRF	162,902.16		
GRAPHITE CONSTRUCTION GROUP INC	MRF	1,159,278.57		
GRIMES, CITY OF	Utilities	14,523.82		
GRP & ASSOCIATES	Contract disposal	1,314.00		
HALLETT MATERIALS	Road maintenance	450.17		
HANIFEN CO. INC.	Parts/labor	855.00		
HARRISON COUNTY LANDFILL COMMISSION	Health & safety	306.72		
HAWKEYE FIRE & SAFETY CO	Equipment repairs	339.50		

HDR ENGINEERING, INC.	Engineering services	29,173.42
HEAVY HIGHWAY FRINGE BENEFIT ADMINISTRATION CO.	Medical insurance	1,380.00
HIRE QUALITY SOLUTIONS	Temporary labor	3,122.20
HOLM'S/AMERICAN RADIATOR LLC	Parts/labor	789.60
HOTSY CLEANING SYSTEMS	Parts/labor	538.75
HOUSBY HEAVY EQUIPMENT	Parts/labor/preventive maint	5,007.71
HOUSBY MACK, INC.	Parts/labor/preventive maint	8.057.55
I & S GROUP, INC.	Topographical survey	7,649,25
INLAND TRUCK PARTS CO.	Parts/labor/preventive maint	405.76
INTERSTATE POWER SYSTEMS INC	Parts/labor	203.04
IOWA DEPARTMENT OF NATURAL RESOURCES	DNR Quarterly Tonnage Fees	326 383 00
IOWA DES MOINES SUPPLY	Janitorial supplies	481 39
IOWA FIRE FOUIPMENT COMPANY	Fire alarm/inspection	592.00
IOWA LABORERS' DISTRICT COUNCIL HEALTH & WELFARE FUND	Medical insurance	66 080 20
		1 265 07
	Employer's chara of IDERS	1,265.97
	Disfessional fees	43,024.41
		13,745.50
	Supplies	516.32
	Employee benefit expense	6,862.31
		73.20
INDER STRUCK REPAIR, INC.	Equipment	316,977.00
LABSOURCE, INC	Health/safety	1,362.45
LARRY'S WINDOW SERVICE, INC.	Building services	265.00
LUBE-TECH & PARTNERS, LLC	Equipment fuel	602.00
MANAGEMENT PROFESSIONALS	Property management fee/site maintenance	3,397.52
MARTIN MARIETTA MATERIALS	Site maintenance	14,065.47
MCANINCH	MRF	59,339.63
MENARDS-ALTOONA	Supplies	95.68
MESTON BROTHERS IRRIGATION, LLC	Site maintenance	90.00
MHC KENWORTH - DES MOINES	Parts/labor/preventive maint	6,978.85
MIDAMERICA RECYCLING	Curbside processing expense	12,569.28
MIDAMERICAN ENERGY	Utilities	10,576.02
MIDLAND POWER COOPERATIVE	Utilities	2,375.23
MIDWEST WHEEL COMPANIES	Parts	352.78
MMC CONTRACTORS IOWA, INC.	Bldg repairs/site maintenance	1,743.86
MOTOR PARTS WAREHOUSE, INC	Parts/small tools/supplies	659.96
MURPHY TRACTOR & EQUIPMENT CO.	Preventive maintenance	2,554.60
NAPA DISTRIBUTION CENTER	Parts/small tools/supplies	22.25
NATIONAL SAFETY COUNCIL	Membership	495.00
NATIONWIDE OFFICE CLEANERS LLC	Janitorial services	1,820.30
NEESE INC.	Leachate processing	29,283.08
O'HALLORAN INTERNATIONAL, INC.	Parts/labor/prev maint	1,065.59
ONE SOURCE	Background checks	63.30
O'REILLY AUTO PARTS	Parts/small tools/supplies	1,199,16
OTIS	Elevator inspection	440.00
PDM	MRF	625,963,55
PER MAR	Security	137 50
PETERBILT OF DES MOINES	Parts/labor/preventive maint	661.99
PETROCHOICE LUBRICATION SOLUTIONS	Parts/labor/preventive maint	12 815 00
POMP'S TIRE SERVICE, INC.	Tire/track repairs	17 552 04
PRAXAIR DISTRIBUTION INC	Welding supplies	200 07
PROSPERITY JANITORIAL	lanitorial services	2 400 60
	Equipment fuel	3,400.08
	Leachate processing	/ 1,40/.04
ROGER GODRON	Parts	500.00
	Consulting /prof.con ins / these	50.00
		22,491.03
	Computer supplies/maint/fees	10,050.96
SAFELT-KLEEN SYSTEMS, INC	Supplies	335.01
SCS FIELD SERVICES	Engineering services	6,032.33
SECKETARY OF STATE	Public information/promotion	30.00
SECURITY EQUIPMENT INC	Building repairs	7.00
SENECA COMPANIES	Leachate collection	2,825.23

SINK PAPER & PACKAGING	Yard bag storage/distribution	9,359.92
SMITH'S SEWER SERVICE	Repair services	85.00
SOCIAL SECURITY ADMINISTRATION	Employer's share of FICA	34,849.66
SOIL CONTROL LAB	Environmental monitoring	349.00
SOUTHEAST POLK COMM SCHOOL-HOST	Host fees	6,498.66
SUMMIT COMPANIES	Fire Extinguisher	614.00
TARPOMATIC, INC.	Cover material	777.07
TESTAMERICA LABORATORIES, INC	Environmental monitoring	3,531.25
THE HOME DEPOT PRO	Office supplies	190.05
THERMO ENVIRONMENTAL INST INC	Environmental monitoring	1,170.00
TIFCO INDUSTRIES	Parts/small tools/supplies	1,854.42
TITAN MACHINERY	Parts	42,408.68
TREASURER STATE OF IOWA	Sales tax	27,028.05
TRI AIR TESTING, INC	Environmental monitoring	188.83
TRI-CITY ELECTRIC CO OF IOWA	MRF	61,138.24
ULINE	Office supplies	496.41
URBANDALE PUBLIC WORKS DEPT.	Yard waste collection	41,396.76
VALLEY ENVIRONMENTAL SERVICES	Contract disposal	154.00
VAN WALL EQUIPMENT	Parts/labor/preventive maint	203.74
VANTAGEPOINT TRANSFER AGENTS	Employer's share deferred compensation	8,750.11
VERIZON WIRELESS	Computer supplies/maintenance	1,722.68
VERMEER SALES & SERVICE INC.	Parts	15,828.46
WASHER SYSTEMS OF IOWA	Parts	46.70
WASTE CONNECTIONS, INC.	Waste collection/tire processi	142,969.88
WASTE MANAGEMENT	Waste/yard collection	83.13
WASTE MANAGEMENT (YARD WASTE)	Yard waste collection	25,962.86
WASTE MANAGEMENT OF IOWA	Curbside/drop off/waste coll	362,734.11
WASTEQUIP	Curbside cart expense/repair	35,469.20
WELLS FARGO	Supplies	50.00
WEST BANK	Credit card payment for misc office and travel expenses	12,232.88
WEST BANK	Service fees	229.88
WEX BANK	Equipment fuel	1,113.33
WOODRUFF CONSTRUCTION, LLC	Cold storage building	2,185.95
WRIGHT OUTDOOR	Building services	178.00
XENIA RURAL WATER DISTRICT	Utilities	294.06
ZIEGLER, INC.	Part/labor/prev maint/subscrip	88,971.15
GRAND TOTAL		5,627,157.36

The MWA Executive Director and the Finance Administrator 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.

Ank

Michael McCoy, Executive Director

Joel Etienne, Finance Administrator

Metro Waste Authority Board Monthly Board Meeting

January 22, 2020

Consent Agenda Item 8

ITEM:

Approval of Yard Waste Transportation and Disposal Agreement with KAL Services.

SUMMARY:

Agreement allows KAL Services to transport and dispose of residential yard waste from the City of Pella at Metro Park East Landfill.

DISCUSSION POINTS:

The City of Pella contracts yard waste collection with KAL Services. Metro Waste Authority sells Compost It! bags and stickers to KAL Services. In turn, KAL make bags and stickers available to residents, for the City of Pella to offer the Compost It! program for the disposal of yard waste. Recommend approval.

STAFF RECOMMENDATION:

Approve the renewal agreement with KAL Services.

BUDGET REQUIREMENTS:

Metro Waste Authority pays KAL Services \$29.33 per ton of yard waste delivered to Metro Park East Landfill. This is a budgeted expense. Metro Waste Authority receives the revenue for the Compost It! bags and stickers sold to KAL Services. Consistent with the percentage increase to Compost It! bags and stickers in metro communities, the items also increased for residents in the City of Pella.

ATTACHMENTS:

Agreement enclosed in board packet.

CONTACTS:

Cassie Riley, community relations manager, 515.323.6502

ATTACHMENT A

METRO WASTE AUTHORITY YARD WASTE AGREEMENT WITH KAL SERVICES, INC

THIS AGREEMENT, made the _____day of May 2021, by and between METRO WASTE AUTHORITY (hereinafter referred to as "MWA"), a joint powers entity organized pursuant to §28E of the Iowa Code, (hereinafter referred to as "MWA"), and KAL Services, Inc. DBA Midwest Sanitation, an Iowa corporation, (hereinafter referred to as "Contractor"):

WHEREAS, the City of Pella desires to promote the health, safety and general welfare of its residents, and to comply with necessary provisions of state and federal law, by providing an efficient and cost-effective system to dispose of yard waste, and

WHEREAS the City of Pella has solicited quotes for the transportation and disposal of yard waste from the City limits, and has determined that the Contractor has submitted the most cost effective response to this solicitation, a copy of which has been attached to this agreement (Attachment "A")

NOW, THEREFORE, in consideration of the above factors and the mutual covenants contained herein, and for other good and valuable consideration, MWA and the Contractor agree as follows:

Section 1. CONTRACTOR RESPONSIBILITY.

A. Contractor shall:

- 1. Obtain all necessary licenses and permits.
- 2. Take precautions necessary to protect persons or property against injury or damage and perform the work in a reasonable and prudent manner.
- 3. Abide by all statutes, ordinances, rules and regulations now in existence or hereinafter enacted, governing the collection and disposal of yard waste.
- 4. Provide MWA with a monthly record of tons of yard waste transported under the contract.
- 5. Transport all household yard waste collected by Contractor from within the City of Pella to Metro Park East Landfill. The yard waste shall be transported in covered, watertight, non-leaking vehicles licensed by the State of Iowa. Collections shall be made so as not to allow spilling of any yard waste or refuse on public or private property.
- 6. Provide residents MWA-approved biodegradable yard waste bags and selfadhering MWA-approved stickers according to the terms and conditions outlined in Attachment "B," Yard Waste Bag Distribution.

Section 2. MWA RESPONSIBILITY.

A. MWA shall:

- 1. Obtain appropriate yard waste bags and stickers for distribution to retail points by the Contractor.
- 2. Provide Contractor with the procedures to be used by residents in preparing yard waste for collection.
- 3. Process the materials collected.

Section 6. REVENUES FROM SALE OF BAGS AND STICKERS. All revenues from the sale of yard waste bags and/or stickers will be returned to MWA.

Section 7. PAYMENT TO CONTRACTOR. Contractor will be paid a fee of \$29.33 per ton for all yard waste delivered to the designated disposal site which will include all of the costs for collection services from Pella city limits to the designated site. Payment will be made within 30 days after MWA receives the monthly invoice. No adjustment will be made to this price for the duration of the contract.

Section 8. ACCEPTABLE YARD WASTE. All yard waste delivered to the MWAdesignated disposal site under this contract shall be in approved MWA bags or bundles with MWA stickers attached. The bundles shall not be longer than four feet in length, weigh no more than 40 pounds, and shall be secured with a biodegradable tie.

Section 9. FLOW CONTROL. The Contractor agrees to deposit all solid waste collected by the Contractor within MWA's Comprehensive Plan Service Area at the Metro Park East Landfill. Any exceptions to this designated facility must be executed in writing and signed by MWA, the City and the Company; provided in the event the Contractor operates a transfer station for the purpose of compacting waste for transportation to the Metro Park East Landfill, said transfer station shall be approved as a designated disposal site.

Section 10. TONNAGE. The Contractor understands that MWA will not guarantee a minimum or a maximum tonnage to be collected under this agreement.

Section 11. INDEMNITY. Company shall indemnify and save harmless MWA, and their officers, agents, servants and employees from and against any and all suits, actions, legal proceedings, claims, demands, damages, costs, expenses and attorneys' fees to the extent resulting from a willful or negligent act or omission of Contractor, its officers, agents, servants and employees in the performance of this Agreement; provided, however, that Contractor shall not be liable for any suits, actions, legal proceedings, claims, demands, damages, costs, expenses and attorneys' fees arising out of the award of this Agreement or a willful or negligent act or omission of MWA, their officers, agents, servants and employees.

Section 12. INSURANCE. Contractor shall at all times during this Agreement maintain in full force and effect all insurance necessary to fully indemnify and save harmless MWA, including Employer's Liability, Worker's Compensation, Public Liability and Property Damage insurance as set out in the RFP.

Section 13. TRANSFERABILITY OF CONTRACT. Other than by operation of law, no assignment of this Agreement or any right accruing under this Agreement shall be made in whole or in part by Contractor without the express written consent of MWA, which consent shall not be unreasonably withheld; in the event of an assignment, the assignee shall assume all liability and responsibility of Contractor.

Section 14. COMPLIANCE WITH LAWS. Contractor shall conduct operations under this Agreement in compliance with all applicable state, federal and city laws and regulations.

Section 15. SEVERABILITY. In the event that any provision or portion thereof of this Agreement shall be found to be invalid or unenforceable, then such provision or portion thereof shall be reformed in accordance with the applicable laws. The invalidity or unenforceability of any provision or portion of this Agreement shall not affect the validity or enforceability of any other provision or portion of this Agreement.

Section 16. EFFECTIVE DATE AND TERMINATION. This Agreement shall commence January 1, 2021, and end at midnight December 31, 2021. The contract can be mutually extended from year to year by written agreement. Additional terms may be negotiated upon mutually agreeable terms.

Section 17. ATTORNEY FEES. Any party not in compliance with the provisions of this agreement shall be notified in writing of its non-compliance and given 30 days to comply prior to the commencement of any legal action. In the event it is necessary for a party to initiate legal action to enforce the provisions of this agreement, and it prevails, the losing party shall pay the costs of litigation including reasonable attorney fees

IN WITNESS WHEREOF, we the undersigned, by our duly authorized agents, affix our signatures this ______2021.

METRO WASTE AUTHORITY

KAL SERVICES, INC. DBA MIDWEST SANITATION

By______ MICHAEL MCCOY Executive Director

By_____ MATT CROSS Site Manager

Attachment B

CITY OF PELLA YARD WASTE BAG DISTRIBUTION

KAL Services, DBA Midwest Sanitation, (Contractor) agrees to the following terms and conditions for storage, sale, and distribution of Compost It! bags, MWA's yard waste collection bags.

- 1. Contractor shall keep complete and accurate records detailing distribution dates quantities and retailers.
- 2. Contractor shall deliver bags to retailers in minimum order quantities of 10 cases (a case is 10 saleable units; a saleable unit is a bundle of 5 bags).
- 3. Contractor shall bill retailers \$54.00 per case for bags delivered (\$1.08 per bag or \$5.40 per salable unit).
- 4. Contractor shall deliver only to retailers within the community of Pella.
- 5. Contractor will provide signed bills of lading including product quantity and date from retailers for each order shipped.
- 6. Bills of lading shall be provided to MWA monthly with statements.
- 7. Contractor shall provide MWA an inventory report upon request.
- 8. Contractor shall store the product in an environment free from moisture and any other element, which would otherwise damage the bags.
- 9. Contractor shall be responsible at the rate of \$57.00 per case for any product which is unaccounted for at the end of the contract period either in actual inventory or signed bills of lading.
- 10. Contractor will bill MWA monthly for bag delivery. MWA will reimburse Contractor at the rate of \$15 per delivery (minimum of 10 cases), regardless of order size, to retailers with the city limits of Pella.

Metro Waste Authority Board

Monthly Board Meeting

June 16, 2021

Consent Agenda Item 9

ITEM:

Approval of Yard Waste Transportation and Disposal Agreement with City of Pella.

SUMMARY:

Agreement allows the City of Pella to offer the Compost It! program to its residents for disposal of yard waste.

DISCUSSION POINTS:

The City of Pella offers the Compost It! program to residents for disposal of yard waste at the curb. The city contracts with KAL Services for collection and hauling to Metro Compost Center at Metro Park East. Bags and stickers are provided to the city's disposal contractor for distribution to retailers and residents. Revenue from bag and sticker sales is allocated to MWA. Recommend approval.

STAFF RECOMMENDATION:

Approve the renewal agreement with City of Pella.

BUDGET REQUIREMENTS:

Revenue from the sale of Compost It! bags and stickers to residents of the City of Pella pays for the cost of hauling by KAL Services. Consistent with the percentage increase to Compost It! bags and stickers in metro communities, the items also increased for residents in the City of Pella.

ATTACHMENTS:

Agreement enclosed in board packet.

CONTACTS:

Cassie Riley, community relations manager, 515.323.6502

METRO WASTE AUTHORITY YARD WASTE TRANSPORTATION AND DISPOSAL AGREEMENT WITH THE CITY OF PELLA

THIS AGREEMENT, made and entered into the day of _____ May 2021 by and between the CITY OF PELLA, IOWA, a Municipal Corporation, (hereinafter referred to as the City), and METRO WASTE AUTHORITY, (hereinafter referred to as MWA).

WITNESSETH

WHEREAS, City, on behalf of its residents, desires to provide for the composting of all acceptable yard waste collected within the Corporate Limits in an environmentally acceptable manner; and,

WHEREAS, City, anticipates that an agreement with MWA regarding the same will be of substantial benefit to City; and

WHEREAS, MWA desires to provide City with services regarding yard waste disposal;

NOW, THEREFORE, and in consideration of the mutual covenants hereinafter contained, it is mutually agreed as follows:

- 1. **Services Provided.** During the term of this Agreement MWA agrees to provide the following services regarding yard waste and the disposal of yard waste on behalf of the City to City yard and solid waste customers:
 - a. Yard Waste Bags and Stickers. MWA shall purchase and deliver to City's collection contractor, yard waste bags and stickers to be purchased and used by residents for yard waste. Yard waste bags provided by MWA shall have a minimum capacity of 30 gallons or 40 pounds, and be bundled in packages containing 5 bags each. Yard waste bags and stickers shall be delivered to City's collection contractor on an as-needed basis.
 - b. Composting Services. MWA shall become the owner of, and provide for the composting of, all yard waste bagged or stickered, delivered to its composting facility by the City's collection contractor. MWA shall conduct its composting operations in accordance with all applicable Federal, State, and Local requirements, laws, regulations, and ordinances now in effect and as may hereafter be modified.
 - c. Yard Waste. Yard waste shall consist of bagged yard waste or bundled brush which must be less than four (4) feet in length, weigh less than forty (40) pounds, and must be bound together with biodegradable material. Bundles must have either an MWA-approved bag tied to the bundle or have an approved yard waste sticker affixed to the bundle. Yard waste shall also include natural Christmas

trees for the first two (2) weeks in January which must have either an MWAapproved bag or an approved yard waste sticker attached to the tree.

- d. Compost. MWA shall make available to the City, bulk compost in minimum quantities of eight (8) cubic yards, picked up at Metro Park East, 12181 University Ave, Mitchellville, unless otherwise directed to another facility, at the posted rate for bulk compost, when available, on a first come first serve basis.
- e. Transportation Costs. MWA shall enter into a contract with the City's collection contractor (Attachment A) for transporting the yard waste from the City's corporate limits to MWA's composting facility. MWA shall not collect yard waste from individual City residents.
- 2. Sale of Bags and Stickers. MWA shall provide to the City's collection contractor the bags and stickers needed as set out in the contract with the City's collection contractor (Attachment 1). The price of yard waste bags shall not exceed \$1.08 per bag in salable units of 5 bags for \$5.40. The price of yard waste stickers shall not exceed 85 cents per sticker.
- 3. **Exclusivity.** MWA shall be the exclusive yard waste disposer for City residential customers during the term of this Agreement, or any renewals thereof. The foregoing shall not prohibit City from negotiating with other service providers for period beyond the initial term of this agreement, or any renewals thereof.
- 4. **Status.** It is understood that MWA is an independent contractor under this Agreement, and neither it nor its employees shall be considered employees of City.
- 5. **Hold Harmless.** Each party shall indemnify and hold the other party harmless for any damages, costs and expenses resulting from the negligent acts or omissions of its respective employees or agents.
- 6. **Term.** This Agreement shall commence January 1, 2021, and end at midnight December 31, 2021. The contract can be mutually extended from year to year by written agreement. Additional terms may be negotiated upon mutually agreeable terms.
- 7. **Termination.** If either party wishes to terminate this agreement for any reason, it may do so by providing the other party sixty (60) days written notice of intent to terminate. In the event of termination of this agreement, MWA shall be entitled to collect for all bags distributed.
- 8. **Binding Effect.** This Agreement shall inure to the benefit of and bind the respective successors in interest of the parties hereto.

METRO WASTE AUTHORITY

By_____ Michael McCoy Executive Director

CITY OF PELLA, IOWA

By _____ Finance Director

Metro Waste Authority Board

Monthly Board Meeting

June 16, 2021

AGENDA ITEM 10

ITEM:

Approval of Building Management Contract for Central Office (CO).

SUMMARY:

Metro Waste Authority utilizes a third party to manage needs of tenants, maintence, and overall building needs at 300 E. Locust St, on behalf of Metro Waste Authority.

DISCUSSION POINTS:

R&R Realty Group is the current building manager. Proposals were received from R&R Realty Group and Knapp Properties.

In considering both estimated annual cost and professional services, Knapp Properties prepared the most competitive and comprehensive scope of services. This transition is anticipated to be seamless as Knapp Properties primary point of contact has extensive knowledge of 300 E. Locust.

STAFF RECOMMENDATION:

Staff recommend contracting Knapp Properties for building management at 300 E. Locust St.

BUDGET REQUIREMENTS:

Building management is a budgeted expense.

ATTACHMENTS:

Knapp Properties Contract

CONTACT:

Michael McCoy, executive director, 515-323-6535

K N A P P PROPERTIES

21 of 143

Knapp Properties, LC 5000 Westown Pkwy, Ste 400 West Des Moines, Iowa www.KnappProperties.com 515.223.4000

MANAGEMENT SERVICES PROPOSAL

Metro Waste Authority

Proposal Date: Property: February 12, 2021 300 E. Locust Des Moines, IA 44,394 +/- SF Office Building



22 of 143

Knapp Properties, LC 5000 Westown Pkwy, Ste 400 West Des Moines, Iowa www.KnappProperties.com 515.223.4000

FEE STRUCTURE

1. Annual Management Fee: Tenant Occupied Suites: 4% gross receipts MWA Occupied Suite: \$600/month

Maintenance Technician Fee: \$55 per hour regular time \$70 per hour overtime

Knapp's management fee includes the following staff and benefits for Metro Waste Authority (MWA):

- a. Property manager's time as needed
- b. Accounting time for accounting services listed below
- c. Supervision by senior management staff
- d. Property tax expertise
- e. Property management software
- f. Work order management software
- g. Increased purchasing power for services and supplies
- h. Access to additional vendors and staff to meet the peak time labor requirements of the facility

Knapp's management fee does not include the following:

- a. New Lease Negotiation can be discussed in separate negotiations (Renewal included in Property Manager's time)
- b. Construction Management can be discussed in separate negotiations
- c. Maintenance time cost listed separately
- d. Legal work we have internal counsel that can be used at an hourly rate if needed
- e. Rent Collection

ACCOUNTING SCOPE OF WORK

Knapp will provide monthly financial reports to MWA by the 20th of each month that will include:

- a. General ledger
- b. Bank Reconciliation
- c. Cash disbursement report
- d. Cash receipts journal
- e. Budget variance report

Annual operating budgets will be produced by November 1 each year for the following year and reviewed with MWA prior to finalization.

All accounts payable duties will be performed by Knapp accounting staff and processed through an operating expense bank account for the building funded by MWA.

Knapp uses a leading property management software called Yardi.

23 of 143

Knapp Properties, LC 5000 Westown Pkwy, Ste 400 West Des Moines, Iowa www.KnappProperties.com 515.223.4000

FIRM QUALIFICATIONS



Knapp Properties, LC ("Knapp") was established in 1992 by Bill Knapp and is a locally owned and operated full-service real estate organization based in West Des Moines, Iowa. Knapp provides land development, property management, brokerage and construction management services to our clients in the Central Iowa region.

Knapp currently manages over 80 properties totaling more than 4 million square feet of commercial real estate and multi-family property in the Des Moines Metro Area. We manage both our owned properties as well as over 4 million square feet for third-party owners. Knapp provides careful oversite of each property we manage tailoring the scope of work needed for each property to meet the needs of the owner. We have nine property managers and over twenty-five maintenance technicians to oversee our management portfolio.

REFERENCES

NCMIC Group Gary Hoffman | 515-313-4545

Golden Bear Properties Kaar Field | kaarfield@gmail.com

Christensen Development Jake Christensen | 515-689-3000

Federal Home Loan Bank John Schwechel | 515-412-2362

RELEVANT EXPERIENCE

Knapp Properties manages several properties of similar size and tenant mix. Properties of comparison we manage are:

- 4949 Westown Parkway, West Des Moines (63,000 SF)
- Fleming Building, Des Moines (90,000 SF+)
- E300, Des Moines (70,000 SF+)
- Federal Home Loan Building, Des Moines (225,000 SF)
- 611 5th Ave, Des Moines (109,000 SF)
- Iowa Finance Authority, Des Moines (116,000 SF)
- Century II, West Des Moines (99,000 SF)

Knapp Properties, LC 5000 Westown Pkwy, Ste 400 West Des Moines, Iowa www.KnappProperties.com 515.223.4000



CONTRACTOR/VENDOR CONTRACTING

Knapp will contract with and manage/oversee all vendors related to the facility maintenance of the property. We will acquire multiple bids for services related to the property and analyze and review the bids to select the qualified vendor that best meets the needs of the property.

SERVICE LEAD TIMES

Service requests will be submitted through our work order system. Non-emergency work orders will be submitted via email to our maintenance e-mail box which is then tracked and distributed to our maintenance technician. All non-emergency work orders will be addressed within a 24 hour period.

For service requests that are of an urgent nature, Tenants will be instructed to call our maintenance admin or property manager to expedite the order. We will handle an emergency based on the immediacy of need and respond promptly to help resolve the service request.

VALUE-ADD CONSIDERATIONS

If selected to manage your facility, we would analyze all areas of maintenance for the property and determine what areas can be improved upon either by competitive vendor pricing and negotiation or by our team self-performing cost saving duties you may be having vendors perform currently.

ATTACHMENTS

- 1. Sample Budget in Yardi
- 2. Sample Budget Breakdown
- 3. Sample Monthly Financial Report
- 4. Sample Work Order
- 5. Proof of Insurance
- 6. W-9 for Knapp Properties, LC

CONTACT INFORMATION

Knapp Properties, LC 5000 Westown Parkway, Suite 400 West Des Moines, IA 50266 Contact: Tyler Price tylerp@knappproperties.com Phone: 515-222-5224

MEMORANDUM

TO: Board of Directors, Metro Waste Authority

FROM: Executive Director Review Committee

DATE: June 10, 2021

RE: Executive Director Evaluation

As you are aware, a committee was formed to review the Executive Director's performance for the past year. Serving on the committee was Ron Pogge, Mark Holm, David Gisch, Tom Cope, Dean O'Connor and Tom Hockensmith. We submitted evaluations to all Board Members and 10 surveys were returned, plus one email indicating that the overall performance exceeds expectations. Of these returned surveys, 9 indicated that the Director exceeded expectations and 2 found that he met expectations.

The Committee determined that with these evaluations, pursuant to Michael's Employment Contract, he is entitled to a 4.5% salary increase.

Submitted with this memo is a copy of this year's performance review prepared by the staff of the agency, and a copy of Michael McCoy's Employment Agreement.

Michael's Employment Agreement has one more year, and will terminate, if not renewed, on June 30, 2022.

To recap, the Committee recommends to the Board that it approve a salary increase for Michael McCoy, as Executive Director, of 4.5% of his current salary, as provided in his Employment Agreement.

Ron Pogge, Chair Metro Waste Authority rpogge@hhlawpc.com

S:\RRP\Urbandale City Council\191219 City Council.docx4332

Individual Performance Plan and Evaluation

Michael McCoy Executive Director 2020-21 Review

PURPOSE OF POSITION

Under the general direction of the Metro Waste Authority (MWA) Board of Directors, the Executive Director shall perform the duties the MWA Board requires, such as leading and directing the organization in achievement of its mission, strategy, goals, and objectives. Overseeing programs and services necessary to meet the requirements and needs of member communities. Providing oversight, direction, and coordination of MWA staff to maintain cost effective, efficient and reliable program and services within available financial resources, while complying with governmental regulations and MWA Board policies. Developing and maintaining effective working relationships with MWA's constituencies (the public, employers, media, governmental agencies, elected officials, and MWA Board of Directors) to promote financial and public support, understanding, and cooperation for existing and enhanced solid waste program services.

1. Individual Performance Strategy (Goal) – Performs duties as outlined in job description.

Action Steps

1.1 - Advise, guide, and inform the MWA Board in the adoption of policies for the governance of the organization in compliance with federal, state, and local rules, regulations and ordinances. Upon adoption, ensure that policies are effectively implemented, updated as necessary and periodically evaluated and reported. Provide interface between Board and staff, and support Board's evaluation of Executive Director.

1.2 - Develop and maintain effective working relationships and effective communications with community leaders, governmental authorities, legislators, media, taxpayer groups, and the user public to enlist financial and related program support for solid waste program services.

1.3 - Represent MWA before various boards, commissions, governmental, and private organizations to inform parties regarding enhanced services, plans, problems, and external events which have an impact on MWA's ability to provide responsive, cost effective services.

1.4 - Lead and direct operating program managers in the development of planning functions, the execution of established objectives, and the achievement of results. Facilitate the MWA Board in its planning responsibilities assuring the development of plans which will accomplish annual and long-term goals and objectives and provide sufficient financial resources to meet capital and operating needs.

1.5 - Oversee the Environmental Management System to ensure that MWA employees are in compliance with the state law and using the model of continuous improvement as the vehicle to achieve desired results.

1.6 - Establish and maintain an effective system of communications and customer service throughout the organization.

1.7 - Select key managerial and support staff and track individual levels of performance consistent with goals and objectives. Approve appointments, promotions, and transfers consistent with MWA policies and contract provisions. Listen to employee and staff concerns and provide direction and guidance as appropriate. Authorize hiring of consultants, engineers, contractors, and related subject matter specialists. Provide input and direction in the negotiation and administration of recurring labor agreements.

Performance Criteria

1.A - Collaborates with legal counsel and regulatory agencies to highlight essential policies and procedures at monthly Board Meetings.

1.B - Appropriately informs outside entities of MWA and services.

1.C - Conducts annual presentations to all member city councils.

1.D - Releases an appropriate Strategic Business Plan approved by the Board and implemented over a two-year period.

1.E - Leads the agency in receiving a clean opinion in the external audit conducted by the DNR.

1.F - Ensures internal and external audiences are well informed and responded to regarding the agency's services.

1.G - Acts in accordance with the Employee Handbook and all state and federal employment laws.

RESULTS: (add comments)

□ Exceeds Expectations

Meets Expectations

□ Does Not Meet Expectations

2. Individual Performance Strategy (Goal) – Follows and applies all applicable rules and procedures governing employment with the Metro Waste Authority.

Action Steps

2.1 - Demonstrates and sets the tone for safe behavior: follows safety policies, procedures, and practices.

2.2 - Adheres to work rules, policies, and procedures.

2.3 - Follows the MWA Core Values: Innovation, Positivity, Integrity, Teamwork, and Leadership.

Performance Criteria

2.A - No validated reports of violation of safe behavior and/or safety policies, procedures, and practices.

2.B - No validated reports of violation of work rules and/or policies and procedures.

2.C - No validated reports of violation of MWA Core Values.

RESULTS: (add comments)

□ Exceeds Expectations

□ Meets Expectations □ Does Not Meet Expectations

<u>3. Individual Performance Strategy (Goal) – Develops competency in each of the performance elements</u> indicated below:

- 1. Teamwork
- 2. Problem solving
- 3. Customer focus
- 4. Work quality and quantity

- 5. Work methods
- 6. Technical knowledge
- 7. Confidentiality

Action Steps

3.1 - Works cooperatively with others to achieve mutual goals; fosters team participation; and demonstrates openness to the ideas/views of others.

3.2 - Gathers and analyzes information to identify problems and appropriately resolve issues or provides alternative solutions.

3.3 - Responds promptly, courteously, and respectfully to all customers; demonstrates commitment to continuously improving service to customers.

3.4 - Completes tasks as assigned without unnecessary delay; work is thorough, lacking in errors, and does not have to be redone.

3.5 - Recognizes and appropriately involves others in the completion of work assignments; organizes work for efficiency and effectiveness; suggests improvement in work processes; communicates effectively to foster/achieve agency goals.

3.6 - Demonstrates technical knowledge necessary to do the job and skill levels required to complete assignments. Pursues development opportunities to achieve job tasks/responsibilities.

3.7 - Maintains confidentiality as required by statute, rule, policy, and/or established office procedure.

Performance Criteria

3.A - No validated reports of uncooperative attitude.

3.B - Information and recommendations submitted within timelines established by board of directors.

3.C - No validated reports of disrespectful or inappropriate behavior with customers.

3.D - Tasks completed within timelines established by MWA Board.

3.E - Participates in staff/team meetings, advises Board chair and/or Board of completion of assignment or if delays have occurred to impede progress, shares ideas to more effectively achieve agency initiatives.

3.F - Reads technical journals or participates in training to enhance or further develop skills.

3.G - No reported violations of statutory provisions or office procedures.

<u>RESULTS:</u> (add comments)

□ Exceeds Expectations

Meets Expectations

□ Does Not Meet Expectations

Additional Comments

Exceeds Expectations: The employee consistently performs well beyond expectations (strategies/goals, action steps, performance criteria, and timetables) and does outstanding work.

Meets Expectations: Performance consistently fulfills the job requirements and expectations (strategies/goals, action steps, performance criteria, and timetables). The employee is doing the job expected for employees in this classification.

Does Not Meets Expectations: Performance does not consistently meet expectations (strategies/goals, action steps, performance criteria, and timetables).

Overall Rating: 🗆 E	xceeds Expectations	Meets Expectations	Does Not Meet Expectations
---------------------	---------------------	--------------------	----------------------------

Completed by:	Date:

10# (0-0621

EMPLOYMENT CONTRACT FOR METRO WASTE AUTHORITY EXECUTIVE DIRECTOR

THIS AGREEMENT, effective July 1, 2019, by and between the Metro Waste Authority ("Employer"), a public agency formed pursuant to Iowa Code Chapter 28E, and Michael McCoy ("Employee").

WHEREAS, Employee agrees to continue performing the duties of the position of Executive Director and Employer agrees to continue to employ Employee as its Executive Director;

WHEREAS, the Employer and Employee wish to set out in writing the terms and conditions of the employment relationship; and

WHEREAS, Employer and Employee wish to provide a means for terminating Employee's services at any time when, in the opinion of Employer, Employee is not performing the duties of Executive Director; and

NOW, THEREFORE, the parties agree as follows:

SECTION ONE

Employer agrees to employ Employee as Executive Director to perform the applicable functions and duties of a director of an Iowa Code 28E public agency as defined by the Employer's policies and procedures, its Business Plan, as well as the job description of the Executive Director position. Employee acknowledges that the functions and duties of the Executive Director may be amended from time to time and that Employee agrees to perform other legally permissible and proper duties that Employer may assign.

SECTION TWO

Employee agrees that Employee serves as Executive Director at the pleasure of Employer. Nothing in this Agreement shall prevent, limit or otherwise interfere with the right of Employer to determine that Employee shall no longer serve as Executive Director, subject only to the provisions set forth in Section Three of this Agreement. In addition, nothing in this Agreement shall prevent, limit or otherwise interfere with the right of Employee to resign at any time from the position of Executive Director, subject only to the provisions set forth in Section Three of this Agreement.

SECTION THREE

Employee's contract shall be for a three (3) year employment term, from July 1, 2019, through June 30, 2022, unless this Agreement is terminated earlier. Neither Employer nor Employee shall have any obligation to renew the contract for any additional term after the expiration of this term and no severance benefits will be provided when this Agreement expires. The Agreement shall also terminate automatically upon the death or disability of Employee. Disability means the Employee is unable to perform the duties set forth in this Agreement, with or

without accommodation, for a period of sixty (60) cumulative business days in any twelve (12) month period, as a result of physical or mental condition or loss of legal capacity. If the Agreement is terminated because of death or disability, then no severance benefits will be provided.

Every twelve (12) months, Employer will perform an annual review of Employee's performance as Executive Director. Based upon this annual review, Employer may make recommendations regarding goals for the Executive Director position, future employment agreements between the parties, as well as the salary and/or benefits contained in said agreements. The parties agree to use the following as a guide: if the annual review shows that the Executive Director did not meet expectations he will receive a zero percent (0%) salary increase; if he meets expectations he will receive a three percent (3.0%) salary increase; and, if he exceeds expectations he will receive a four and a half percent (4.5%) salary increase.

In the event Employer or Employee do not intend to renew the employment contract, thirty (30) days' notice prior to the expiration of the contract shall be given by the non-renewing party to the other. In the event Employee voluntarily resigns his position during the contract term, the Employee shall give at least ninety (90) days' notice—which the Board may shorten at its discretion. If Employee voluntarily resigns his position, he shall not be entitled to severance benefits of any kind.

Employee may not be terminated during the Agreement except for just cause unless Employer continues the salary and benefits of Employee for a period of six (6) months from the date of termination. Just cause shall include, but shall not be limited to, an incident where Employee has been convicted of a serious misdemeanor or felony, found to be dishonest with the Employer, insubordinate or gross mismanagement. If Employee is terminated for just cause, then no severance benefits will be provided. Employee agrees to accept this continuation of salary and benefits for the aforementioned period as full and complete consideration for any and all claims, causes of action and/or damages related to Employee's employment or termination as Executive Director that Employee may have against Employer and/or Employer's Board of Directors, agents, officers, employees and/or agents.

SECTION FOUR

Effective July 1, 2019, Employer agrees to pay Employee an annual base salary of one hundred, eighty-nine thousand dollars (\$189,000.00), payable in installments as authorized for other administrative employees of Employer. As set forth above, Employer shall review this base salary every twelve (12) months as part of its annual review of Employee's performance.

SECTION FIVE

Employee shall be entitled to those benefits given to the administrative employees of Employer, including life insurance benefits, sick leave benefits, and vacation benefits. If Employee fails to give at least ninety (90) days' notice, he shall not be entitled to payment of any accrued but unused benefits. Employee shall not receive longevity pay or overtime pay and shall be expected to work whatever hours are necessary to efficiently perform the duties of Executive Director.

Employer agrees to pay for professional dues and subscriptions necessary for Employee's membership in those associations and organizations that are necessary and desirable for Employee's continued professional participation and growth on behalf of Employer. In addition, Employee shall, without loss of pay, be allowed time each year for the purpose of attending—at Employer's expense upon prior approval of the Board Chair—conventions, seminars, and/or educational forums relating to solid waste disposal, environmental protection, or public administration without loss of pay.

Employee shall be provided a company-owned vehicle in accordance with Employer's vehicle policy.

Employer shall pay annually into Employee's designated deferred compensation benefit plan an amount equal to seven percent (7%) of Employee's base salary as set forth in Section Four (4) of this Agreement.

SECTION SIX

This Agreement contains the entire agreement of the parties relating to Employee's employment and the subject matter herein and, except as otherwise stated, supersedes any and all oral or written prior agreements and understandings with respect to Employee's employment and the subject matter herein. The parties acknowledge that they have made no agreements, representations, or warranties relating to the subject matter of this Agreement that are not set forth herein.

If any provision, or any portion thereof, contained in this Agreement is held unconstitutional, invalid or unenforceable, the remainder, or portion thereof, shall be deemed severable, shall not be affected and shall remain in full force and effect.

IN WITNESS WHEREOF, the Board of the Metro Waste Authority has caused this Agreement to be signed and executed by signature of its Chair and the Employee, Michael McCoy, has caused this Agreement to be signed and executed on his behalf.

EMPLOYER:

Mark Holm

EMPLOYEE:

Michael McCoy

Metro Waste Authority Board

Monthly Board Meeting

June 16, 2021

AGENDA ITEM 12

ITEM:

Approval of Price Increase for Commercial Compost Purchases.

SUMMARY:

After analyzing other compost producers and wholesalers, Metro Waste Authority (MWA) is proposing an increase from \$10 to \$15 dollars in sale of compost to commercial customers.

DISCUSSION POINTS:

MWA has continued to see increased expenses in the compost cost center, both operational and capital. In March of 2021, MWA increased the cost of compost bags and stickers to help offset the increased cost. This increase directly affected residential customers of the compost program.

After further evaluation and research related to the prevailing market prices for both retail and wholesale compost, in the service area and other midwestern metro areas, staff is proposing a \$5 per cubic yard increase in the sale of compost to commercial customers. Attached is a table reflecting the market prices as of June 2021.

An increase to the commercial price of compost will help offset future rate increases needed on compost bags and stickers.

For the past year, MWA has been working with PFM Financial Advisors LLC to model each department of MWA at the cost center level. These cashflow models are intended to help inform the staff and the Board on how the financial decisions affect each cost center and the organization as a whole. Based on the May 2021 Board meeting feedback, these cashflows were utilized to show how a \$5 increase affects the bottom line, the agency's cash position and how current pricing affects future price increases across the compost cost center. Attached are two versions of the compost cost center cashflow and what future rate increases may be required both with and without the recommended change.

STAFF RECOMMENDATION:

Staff recommends the approval of the price increase for commercial sales of compost from \$10 to \$15 (with no future bulk pricing) effective July 1, 2021.

ATTACHMENTS:

Retailer/Compost producer prices. Compost cash flow scenarios.

CONTACT:

Michael McCoy, executive director, 515.323.6535

LOCAL RETAILERS



COMPANY	COST				
Lounsbury Landscaping, West Des Moines	\$31 per yard with mandatory \$10 load fee				
King's Material (formerly Mulch Mart), Waukee	\$4-5 per .1 yard via 5 gallon bucket				
	\$33.50 per cubic yard for 1-1.5 yard in truck (1 skid loader full)				
Iowa Landscape Supply, Des Moines	\$35 per cubic yard				
Outdoor Envisions, Ames	\$40 per cubic yard				

REGIONAL WHOLESALE COMPARISON

COMPANY	COST			
Cedar Rapids Garden Center	\$25 for $\frac{1}{2}$ cubic yard. 50/50 mix compost and top soil			
Soil Dynamics, Omaha	\$4.50 per cubic foot in bags			
	\$4.50 per cubic foot in bags			
OmaGro, Omaha	\$15 per cubic yard			
	\$2 per cubic foot via bags			
Yard Market, Omaha	\$34 per cubic yard			
Missouri Organic Recycling, Kansas City Area	\$36.95 per cubic yard, 5/8 minus mix			
	\$68.95 per cubic yard, Green Fronter Compost			
St. Louis Composting	\$26 per cubic yard, Black Gold Compost			
	\$34 per cubic yard, Field and Turf enhancer			

Current Compost Pricing (\$10)

	Usage Assumptions & Projected Rate Adjus								ate Adjustmen	tments	
						Usage	2.00%	2.00%	2.00%	2.00%	2.00%
						Rate	2.50%	2.50%	2.50%	2.50%	2.50%
		Audited	Audited	Audited	Budget	Budget	Projected	Projected	Projected	Projected	Projected
		FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Consumption											
Compost Waste (Tons)	1	21 448	21 661	26 385	21.969	27 000	27 540	28 091	28 653	29.226	29.810
Prairie Meadows (Tons)	2	5 692	5 1 5 8	3 817	4 906	4 400	4 488	4 577	4 669	4 762	4 858
Yard Waste Bag	3	743 700	794 250	827 450	724 138	830,000	846 600	863 532	880 803	898 419	916 387
Yard Bag Stickers	4	132 300	134 318	149 274	150 224	150,000	153,000	156,060	159 181	162 365	165 612
Yard Waste Annual Sticker (Totes)	5	5 548	5 811	6 4 3 1	7 072	7 500	7 650	7 803	7 959	8 118	8 281
Sale of Compost (Cubic Yard)	6	32,868	22,928	34,447	23,617	36,398	37,126	37,868	38,626	39,398	40,186
Compost Waste (\$/Tons)	7	\$29.73	\$29.44	\$29.22	\$29.22	\$29.60	\$30.34	\$31.10	\$31.88	\$32.67	\$33.49
Compost Discount	8	(\$5.00)	(\$4.99)	(\$5.00)	(\$5.00)	(\$5.00)	(\$5.00)	(\$5.00)	(\$5.00)	(\$5.00)	(\$5.00)
Yard Waste Bag	9	\$1.45	\$1.45	\$1.45	\$1.45	\$1.65	\$1.69	\$1.73	\$1.78	\$1.82	\$1.87
Yard Bag Stickers	10	\$1.25	\$1.25	\$1.25	\$1.25	\$1.50	\$1.54	\$1.58	\$1.62	\$1.66	\$1.70
Yard Waste Annual Sticker (Totes)	11	\$96.16	\$100.92	\$100.74	\$100.74	\$100.74	\$103.26	\$105.84	\$108.48	\$111.20	\$113.98
Sale of Compost	12	\$9.01	\$9.07	\$8.93	\$8.93	\$10.00	\$10.25	\$10.51	\$10.77	\$11.04	\$11.31
-						İ					
Revenues						י י ו					
Compost Waste - Tonnage Revenue	13	\$637,667	\$637,707	\$771,062	\$642,001	\$799,200	\$835,564	\$873,582	\$913,330	\$954,886	\$998,334
Compost Waste - Vehicle Revenue	14	\$26,574	\$28,090	\$33,866	\$30,000	\$30,000	\$31,000	\$32,000	\$33,000	\$34,000	\$35,000
Compost Waste Discount	15	(\$28,459)	(\$25,760)	(\$19,087)	(\$24,533)	(\$22,000)	(\$22,440)	(\$22,889)	(\$23,347)	(\$23,814)	(\$24,290)
Yard Waste Bag Revenue	16	\$1,078,558	\$1,151,974	\$1,200,277	\$1,050,000	\$1,369,500	\$1,431,812	\$1,496,960	\$1,565,071	\$1,636,282	\$1,710,733
Yard Waste Sticker Revenue	17	\$165,375	\$167,898	\$186,857	\$188,046	\$225,000	\$235,238	\$245,941	\$257,131	\$268,831	\$281,062
Yard Waste Annual Sticker Revenue	18	\$533,470	\$586,421	\$647,843	\$712,445	\$755,532	\$789,908	\$825,849	\$863,425	\$902,711	\$943,785
Yard Bag Revenue - Pella	19	\$31,350	\$37,335	\$34,438	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
Yard Sticker Revenue Pella	20	\$490		\$560		\$400	\$400	\$400	\$400	\$400	\$400
Sale of Compost	21	<u>\$296,103</u>	<u>\$207,873</u>	<u>\$307,579</u>	<u>\$210,878</u>	<u>\$363,980</u>	<u>\$380,541</u>	<u>\$397,856</u>	<u>\$415,958</u>	<u>\$434,884</u>	<u>\$454,671</u>
Total Revenues	22	\$2,741,128	\$2,791,538	\$3,163,394	\$2,843,836	\$3,556,612	\$3,717,023	\$3,884,698	\$4,059,969	\$4,243,181	\$4,434,695
Year over Year % Change in Revenues	23	-1.0%	1.8%	13.3%	-10.1%	25.1%	4.5%	4.5%	4.5%	4.5%	4.5%
Operating Expenses (Growth Assumption)	24			l			3%	3%	3%	3%	3%
Personnel Expenses	25	\$409,428	\$294,616	\$260,472	\$289,078	\$359,900	\$370,697	\$381,818	\$393,272	\$405,071	\$417,223
Operating Expenses	26	\$2,053,784	\$2,302,920	\$2,764,167	\$2,568,877	\$3,263,382	\$3,361,283	\$3,462,122	\$3,565,986	\$3,672,965	\$3,783,154
General & Administrative Expenses	27	\$130,526	\$109,961	\$88,313	\$126,815	\$127,560	\$131,387	\$135,328	\$139,388	\$143,570	\$147,877
Other Income & Expenses	28	<u>(\$241)</u>	<u>\$0</u>	<u>\$1,104</u>	<u>\$0</u>	<u>\$1,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Total Expenses	29	\$2,593,497	\$2,707,497	\$3,114,056	\$2,984,769	\$3,751,842	\$3,863,367	\$3,979,268	\$4,098,646	\$4,221,606	\$4,348,254
Year over Year % Change in Expenses	30	-2.3%	4.4%	15.0%	-4.2%	25.7%	3.0%	3.0%	3.0%	3.0%	3.0%
Net Income (Loss)	31	\$147,631	\$84,041	\$49,338	(\$140,933)	(\$195,230)	(\$146,344)	(\$94,570)	(\$38,677)	\$21,575	\$86,441
Add: Depreciation	32	<u>\$158,378</u>	<u>\$176,847</u>	\$279,600	\$294,021	\$294,021	\$294,021	\$294,021	\$294,021	\$294,021	\$294,021
Revenue Available for Debt	33	\$306,009	\$260,888	\$328,939	\$153,088	\$98,791	\$147,677	\$199,451	\$255,344	\$315,596	\$380,462
						I					
Metro Waste Authority **Compost Center**

reant Compost Priving (\$10) C.

г

|--|

							Usage Assumptions & Projected Rate Adjustments					
						Usage	2.00%	2.00%	2.00%	2.00%	2.00%	
						Rate	2.50%	2.50%	2.50%	2.50%	2.50%	
		Audited	Audited	Audited	Budget	Budget	Projected	Projected	Projected	Projected	Projected	
	24	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	
Revenue Available for Capital	34 35	0 \$306,009	0 \$260,888	0 \$328,939	0 \$153,088	0 \$98,791	0 \$147,677	0 \$199,451	0 \$255,344	0 \$315,596	0 \$380,462	
Capital & Equipment Surplus/(Deficit)	36 37	<u>(\$805,617)</u> (\$499,608)	<u>(\$980,000)</u> (\$719,112)	<u>(\$9,000)</u> \$319,939	<u>\$0</u> \$153,088	<u>(\$860,587)</u> (\$761,796)	(\$658,710) (\$511,033)	<u>(\$495,000)</u> (\$295,549)	<u>(\$925,000)</u> (\$669,656)	<u>(\$280,000)</u> \$35,596	<u>(\$365,000)</u> \$15,462	
Capital Outlay	s 38	\$473,285	\$0	\$9,000	\$0	\$230,587	\$0	\$465,000	\$425,000	\$250,000	\$0	
Equipmen	t 39	<u>\$332,332</u>	<u>\$980,000</u>	<u>\$0</u>		630,000	658,710	30,000	500,000	30,000	365,000	
Total Capital & Equipmen	t 40	\$805,617	\$980,000	\$9,000	-	860,587	658,710	495,000	925,000	280,000	365,000	
Capital & Equipment												
Miscellaneous	41	\$3,139	\$0	\$0	\$0	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	
Equipment Replacement	42	\$329,193	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Horizontal Grinder	43	\$0	\$650,000	\$0	\$0	\$0	\$463,710	\$0	\$470,000	\$0	\$0	
Skid Loader	44	\$0	\$0	\$0	\$0	\$0	\$55,000	\$0	\$0	\$0	\$0	
Trommel Screen	45	\$0	\$330,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$335,000	
Stacker Conveyor	46	\$0	\$0	\$0	\$0	\$0	\$110,000	\$0	\$0	\$0	\$0	
Windrow Turner	47	\$0	\$0	\$0	\$0	\$600,000	\$0	\$0	\$0	\$0	\$0	
New AED	48	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	
Total Equipment	49	\$332,332	\$980,000	\$0	\$0	\$630,000	\$658,710	\$30,000	\$500,000	\$30,000	\$365,000	
Compost Pad	50	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Compost Pad (Center)	51	\$473,285	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
MCC Aggregate Surfacing	52	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$425,000	\$0	\$0	
Asphalt Surfacing of MCC Staging Rock Area	53	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Staging Area Expansion	54	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Wheel Loader	55	\$0	\$0	\$0	\$0	\$230,587	\$0	\$465,000	\$0	\$250,000	\$0	
Miscellaneous	56	<u>\$0</u>	<u>\$0</u>	<u>\$9,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	
Total Capital Projects	57	\$473,285	\$0	\$9,000	\$0	\$230,587	\$0	\$465,000	\$425,000	\$250,000	\$0	
Total Capital & Equipment	58	\$805,617	\$980,000	\$9,000	\$0	\$860,587	\$658,710	\$495,000	\$925,000	\$280,000	\$365,000	

Commercial Compost Pricing (\$15)

								Usage Assumptions & Projected Rate Adjustments				
							Usage	2.00%	2.00%	2.00%	2.00%	2.00%
							Rate	1.75%	1.75%	1.75%	1.75%	1.75%
		Audited	Audited	Audited	Audited	Budget	Budget	Projected	Projected	Projected	Projected	Projected
		FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Consumption												
Compost Waste (Tons)	1	_	21 448	21 661	26 385	21 969	27,000	27 540	28 091	28 653	29 226	29.810
Prairie Meadows (Tons)	2		5 692	5 158	3 817	4 906	4 400	4 488	4 577	4 669	4 762	4 858
Yard Waste Bag	3	_	743 700	794 250	827 450	724 138	830,000	846 600	863 532	880 803	898 419	916 387
Yard Bag Stickers	4	_	132,300	134 318	149 274	150 224	150,000	153,000	156,060	159 181	162 365	165 612
Vard Waste Annual Sticker (Totes)	5	_	5 548	5 811	6.431	7 072	7 500	7 650	7 803	7 959	8 118	8 281
Sale of Compost (Cubic Vard)	6	_	32 868	22 028	34 447	23,617	36 398	37 126	37 868	38 626	39 398	40.186
Sale of compose (Cubic Tard)	U	-	52,000	22,920	54,447	25,017	50,570	57,120	57,000	50,020	57,570	40,100
Compost Waste (\$/Tons)	7		\$29.73	\$29.44	\$29.22	\$29.22	\$29.60	\$30.12	\$30.65	\$31.18	\$31.73	\$32.28
Compost Discount	8		(\$5.00)	(\$4.99)	(\$5.00)	(\$5.00)	(\$5.00)	(\$5.00)	(\$5.00)	(\$5.00)	(\$5.00)	(\$5.00)
Yard Waste Bag	9		\$1.45	\$1.45	\$1.45	\$1.45	\$1.65	\$1.68	\$1.71	\$1.74	\$1.77	\$1.80
Yard Bag Stickers	10		\$1.25	\$1.25	\$1.25	\$1.25	\$1.50	\$1.53	\$1.55	\$1.58	\$1.61	\$1.64
Yard Waste Annual Sticker (Totes)	11		\$96.16	\$100.92	\$100.74	\$100.74	\$100.74	\$102.50	\$104.29	\$106.12	\$107.98	\$109.87
Sale of Compost	12		\$9.01	\$9.07	\$8.93	\$8.93	\$13.38	\$13.61	\$13.85	\$14.09	\$14.34	\$14.59
								l				
Revenues						1						
Compost Waste - Tonnage Revenue	13	\$664 960	\$637 667	\$637 707	\$771.062	\$642.001	\$799.200	\$829.450	\$860 844	\$893 427	\$927 244	\$962 340
Compost Waste - Vehicle Revenue	13	\$004,900	\$26,574	\$28,000	\$33,866	\$30,000	\$30,000	\$31,000	\$32,000	\$33,000	\$34,000	\$35,000
Compost Waste Discount	15	(\$30,204)	(\$28,459)	(\$25,760)	(\$19,087)	(\$24,533)	(\$22,000)	(\$22,440)	(\$22,880)	(\$23,347)	(\$23,814)	(\$24,290)
Vard Waste Bag Revenue	16	\$1 194 041	\$1 078 558	\$1 151 07 <i>A</i>	\$1,200,277	\$1.050.000	\$1 369 500	\$1.421.336	\$1 475 133	\$1 530 967	\$1 588 014	\$1 649 054
Vard Waste Sticker Devenue	17	\$1,194,041	\$1,078,558	\$1,151,974	\$1,200,277	\$1,050,000	\$225,000	\$222.516	\$242 255	\$251,50,907	\$261.048	\$270.020
Vard Waste Appual Sticker Devenue	17	\$180,004	\$105,575	\$107,898	\$647.842	\$188,040	\$225,000	\$235,510	\$242,333 \$812,808	\$231,328 \$844.610	\$201,048	\$270,929
Vard Pag Payanua – Palla	10	\$302,948	\$333,470	\$380,421	\$21 128	\$25,000	\$755,552	\$25,000	\$25,000	\$25,000	\$35,000	\$25,000
Vard Sticker Devenue Pelle	20	\$34,200	\$31,330	\$57,555	\$54,458	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	\$35,000
Sala of Compost	20	\$70	\$206 103	\$207 873	\$300	\$210.878	\$487.005	\$505.428	\$524.560	\$544.424	\$565.021	\$586.417
Total Povenues	21	\$2,767,041	\$2.741.128	\$207,873 \$2,701,528	\$2 162 204	\$2,842,826	\$2,670,627	\$3,817,820	\$2,061,221	\$4,110,010	\$4 264 402	\$4.424.608
Veer over Veer % Change in Pevenues	22	\$2,707,941	\$2,741,128 1 0%	\$2,791,558 1 8%	\$5,105,574 12 20/	\$2,843,830	\$3,079,037 20,4%	\$3,017,023 2 80/	\$5,901,221	\$4,110,010 2 8%	\$ 4 ,20 4 ,402	\$4,424,008 2 80/
Tear over Tear 76 Change in Revenues	23	80/	-1.070	1.870	0.7%	-10.170	29.470	12 20/	12 20/	12 20/	12 204	12 20/
		070	10.870	/.470	9.770	/.470	13.270	13.270	13.270	13.270	13.270	15.570
Operating Expenses (Growth Assumption)	24					İ		3%	3%	3%	3%	3%
Personnel Expenses	25	\$386,731	\$409,428	\$294,616	\$260,472	\$289,078	\$359,900	\$370,697	\$381,818	\$393,272	\$405,071	\$417,223
Operating Expenses	26	\$2,193,121	\$2,053,784	\$2,302,920	\$2,764,167	\$2,568,877	\$3,263,382	\$3,361,283	\$3,462,122	\$3,565,986	\$3,672,965	\$3,783,154
General & Administrative Expenses	27	\$80,626	\$130,526	\$109,961	\$88,313	\$126,815	\$127,560	\$131,387	\$135,328	\$139,388	\$143,570	\$147,877
Other Income & Expenses	28	<u>(\$5,250)</u>	<u>(\$241)</u>	<u>\$0</u>	\$1,104	<u>\$0</u>	\$1,000	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Total Expenses	29	\$2,655,228	\$2,593,497	\$2,707,497	\$3,114,056	\$2,984,769	\$3,751,842	\$3,863,367	\$3,979,268	\$4,098,646	\$4,221,606	\$4,348,254
Year over Year % Change in Expenses	30		-2.3%	4.4%	15.0%	-4.2%	25.7%	3.0%	3.0%	3.0%	3.0%	3.0%
Net Income (Loss)	31	\$112,714	\$147,631	\$84,041	\$49,338	(\$140,933)	(\$72,205)	(\$45,539)	(\$18,048)	\$11,364	\$42,796	\$76,354
Add: Depreciation	32	<u>\$130,88</u> 0	<u>\$158,37</u> 8	<u>\$176,84</u> 7	<u>\$279,60</u> 0	<u>\$294,02</u> 1	<u>\$294,02</u> 1	<u>\$294,021</u>	<u>\$294,02</u> 1	<u>\$294,021</u>	<u>\$294,02</u> 1	\$294,021
Revenue Available for Debt	33	\$243,594	\$306,009	\$260,888	\$328,939	\$153,088	\$221,816	\$248,482	\$275,973	\$305,385	\$336,817	\$370,375
		,	,	, -			, -	*	, -	, -	,	,

Metro Waste Authority Compost Center

Commercial Compost Pricing (\$15)

							Usage Assumptions & Projected Rate Adjustments				3
						Usage	2.00%	2.00%	2.00%	2.00%	2.00%
						Rate	1.75%	1.75%	1.75%	1.75%	1.75%
					D 1	5.1	D 1 1	N 1	N 1		D
	Audited FY 2016-17	Audited FY 2017-18	Audited FY 2018-19	Audited FY 2019-20	Budget FY 2020-21	Budget FY 2021-22	Projected FY 2022-23	Projected FY 2023-24	Projected FY 2024-25	Projected FY 2025-26	Projected FY 2026-27
Transfer to Debt Service 34	0	0	0	0	0	0	0	0	0	0	0
Revenue Available for Capital 3:	\$ \$243,594	\$306,009	\$260,888	\$328,939	\$153,088	\$221,816	\$248,482	\$275,973	\$305,385	\$336,817	\$370,375
Capital & Equipment 30	<u>(\$1,000,000)</u>	<u>(\$805,617)</u>	<u>(\$980,000)</u>	(\$9,000)	<u>\$0</u>	(\$860,587)	<u>(\$658,710)</u>	<u>(\$495,000)</u>	<u>(\$925,000)</u>	<u>(\$280,000)</u>	<u>(\$365,000)</u>
Surplus/(Deficit) 3'	(\$756,406)	(\$499,608)	(\$719,112)	\$319,939	\$153,088	(\$638,771)	(\$410,228)	(\$219,027)	(\$619,615)	\$56,817	\$5,375
Capital Outlays 38	3 \$1,000,000	\$473,285	\$0	\$9,000	\$0	\$230,587	\$0	\$465,000	\$425,000	\$250,000	\$0
Equipment 39	<u>\$0</u>	<u>\$332,332</u>	<u>\$980,000</u>	<u>\$0</u>		630,000	658,710	30,000	500,000	30,000	365,000
Total Capital & Equipment 4	\$1,000,000	\$805,617	\$980,000	\$9,000	-	860,587	658,710	495,000	925,000	280,000	365,000
					l						
Capital & Equipment											
Miscellaneous 4	\$0	\$3,139	\$0	\$0	\$0	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000
Equipment Replacement 42	\$0	\$329,193	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Horizontal Grinder 4.	\$0	\$0	\$650,000	\$0	\$0	\$0	\$463,710	\$0	\$470,000	\$0	\$0
Skid Loader 44	ŀ	\$0	\$0	\$0	\$0	\$0	\$55,000	\$0	\$0	\$0	\$0
Trommel Screen 4	\$ \$0	\$0	\$330,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$335,000
Stacker Conveyor 40	\$ 0	\$0	\$0	\$0	\$0	\$0	\$110,000	\$0	\$0	\$0	\$0
Windrow Turner 4'	\$0	\$0	\$0	\$0	\$0	\$600,000	\$0	\$0	\$0	\$0	\$0
New AED 48	8 <u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Total Equipment 49	\$0	\$332,332	\$980,000	\$0	\$0	\$630,000	\$658,710	\$30,000	\$500,000	\$30,000	\$365,000
Compost Pad 50	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Compost Pad (Center) 5	\$0	\$473,285	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MCC Aggregate Surfacing 52	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$425,000	\$0	\$0
Asphalt Surfacing of MCC Staging Rock Area 53	\$ \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Staging Area Expansion 54	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Wheel Loader 55	\$ \$0	\$0	\$0	\$0	\$0	\$230,587	\$0	\$465,000	\$0	\$250,000	\$0
Miscellaneous 50	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	\$9,000	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Total Capital Projects5'	\$1,000,000	\$473,285	\$0	\$9,000	\$0	\$230,587	\$0	\$465,000	\$425,000	\$250,000	\$0
Total Capital & Equipment 53	\$ \$1,000,000	\$805,617	\$980,000	\$9,000	\$0	\$860,587	\$658,710	\$495,000	\$925,000	\$280,000	\$365,000

Metro Waste Authority Board Monthly Board Meeting June 16, 2021

AGENDA ITEM 13

ITEM:

Approval of Master Plan Project for Metro Park East and Metro Park West Landfill.

SUMMARY:

Metro Waste Authority (MWA) owns and operates two prominent landfills in the Des Moines metro area, which serves as the cornerstone for solid waste services for the planning area. MWA is undertaking a Master Plan effort to optimize the life of its assets and provide a clear and efficient vision for managing these facilities and programs.

DISCUSSION POINTS:

MWA requested Statements of Qualification (SOQ) to Develop a Master Plan for the Metro Park East and West Landfills engineering firms. MWA received SOQ's from four, reviewed submittals, then chose two firms (Foth & HDR) to interview and discuss submittals/proposal.

- Foth Infrastructure & Environmental, LLC: Estimated Range of Scope, \$200,000-\$350,000
- **GHD Professional Services Firm:** Estimated Range of Scope proposal unclear, GHD *"these large-scale planning efforts can run well over \$500,000, associated costs will then be developed and submitted to MWA for approval prior to the initiation of work."*
- HDR Engineering Inc: Estimated Range of Scope, \$245,225-\$321,855
- SCS Engineers: Estimated Range of Scope, \$272,500-\$375,000

STAFF RECOMMENDATION:

Staff recommends approval of HDR Engineering Inc. HDR proposed services are under budget and meet the requirements of MWA's requested Statement of Qualification. HDR Has extensive knowledge of 'MWA landfills, yet demonstrated a specific and innovative approach to site challenges and opportunities.

BUDGET REQUIREMENTS:

Funds are budgeted in FY 21/22 Capital Expenditures.

ATTACHMENTS:

- MWA Request for Qualifications
- HDR Statement of Qualifications

CONTACT:

Arthur Kern, compliance coordinator, 515-333-4450

REQUEST FOR QUALIFICATIONS

Metro Waste Authority Metro Park East and West Landfill(s)

Metro Waste Authority is soliciting Statements of Qualifications (SOQs) from firms who are interested and qualified to develop a master plan for Metro Park East and West Landfill(s). A single consultant will be selected to accomplish all associated work at both sites. Metro Waste Authority requests a written SOQ, highlighting firms' staff, experience, approach, timeline, and additional details. Interviews may be extended to selected firms to present a detailed presentation.

PROJECT DESCRIPTION

The master plan will undertake several critical evaluations to optimize site utilization and maintain a state-of-the-art solid waste management system. Some components of the master plan may include:

- Consolidation and summary of existing technical information, reports and studies related to the site's physical conditions and future development
- Site design, including cell phasing and construction detail, consistent with current Iowa Department of Natural Resources' regulations
- Landfill disposal capacity
- Dirt movement and placement plans
- Storm water management plans
- Leachate management plans
- Gas management plans
- Future program expansion plans
- Future support facilities to provide for optimum development
- Education plans throughout the life of the landfill
- Cell closure sequencing
- End use plans (and meld with operational plans)
- Incorporation of existing traits (e.g. water features, hills, views)
- Identification of opportunities and challenges in the development of the landfill

Master plan will be used to provide:

• Strategy for optimizing the phased development of the site(s) based on agency needs and space allocation

- Vision for the landfill(s) for three decades; please address short, middle and long-term planning phases
- Communication/planning tool for regulators, commissioners, neighbors, employees, and other stakeholders
- Decision making pertaining to site utilization, capital improvement, future development and permit requirements
- Resource to minimize operational costs
- Plan to incorporate intentional innovation

QUESTIONS & CORRESPONDECE

Firms should express intent to respond to this RFQ by providing an email address for correspondences to Art Kern at <u>ake@mwatoday.com</u> by April 9, 2021. Questions will only be accepted via e-mail at ake@mwatoday.com. Responses to questions will be sent to all parties submitting an SOQ.

WRITTEN STATEMENT of QUALIFICATIONS

Electronic submissions due to Art Kern, <u>ake@mwatoday.com</u>, by 4:00 p.m. Monday, April 26, 2021. Email should read "SOQ for Master Plan."

The SOQ should include the following details:

- Name, location and size of firm
- Name, positions, experience of proposed staff involved
- An organizational chart
- Examples of landfill-related engineering experience and corresponding contact person
- Describe the firm's approach to quality assurance/quality control

• If applicable, provide a list of commonly used sub consultants and the work they would be performing

• References: Include three references for whom this type of work was or is being performed. Please include contact's name, and phone number.

- Approach: Include details of how your firm would approach this project. This may include:
 - Communication and project management style
 - o Overall understanding of MWA's short-term and long-term needs/goals
 - o Recommendation for phasing of this project
 - Vision of final product, delivery, use, etc.
- Proposed schedule
- Estimated range for fee of service

INTERVIEWS

Metro Waste Authority may schedule virtual interviews to ask follow-up questions and to discuss approach to developing master plan for Metro Park East and West Landfill(s).

TERMS AND CONDITIONS

Metro Waste Authority reserves the right to:

- Accept or reject any or all SOQs
- Negotiate with all qualified sources, pertaining to this RFP, or cancel all or part of this scope of work
- Retain all SOQs; submission of SOQ indicates acceptance by the firm of the conditions contained in this RFQ

Evaluations

During the evaluation process, MWA may request additional information or clarifications from proposers, or allow corrections of errors or omissions. At the discretion of the Selection Committee, firms submitting SOQs may be requested to make oral presentations as part of the evaluation process.

Reimbursements

There is no express or implied obligation for MWA to reimburse responding firms for any expenses incurred in preparing SOQs in response to this RFQ. MWA will not reimburse responding firms for these expenses, nor will MWA pay any subsequent costs associated with the provision of any additional information or presentation, or to procure a contract for these services.

Communication

MWA shall not be responsible for any verbal communication between any employee of MWA and any potential firm. Only written qualifications will be considered.

Negotiations

Negotiations may be conducted with qualified firm(s) who submit SOQs that are reasonably susceptible of being selected. All firm(s) reasonably susceptible of being selected based on qualifications submitted in response to this request may be given an opportunity to make a presentation and/or interview with the Selection Committee.

Disclosure

At the public opening, there will be no disclosure of contents to competing firms. All SOQs will be kept confidential during the negotiation process. Except for trade secrets and confidential information that the firm identifies as proprietary, all SOQs will be open for public inspection after the contract award.



April 26 **2021** Statement of Qualifications Master Planning for Metro Park East & West Landfill(s) Des Moines, IA



FSS

April 26, 2021

Mr. Art Kern, Compliance Coordinator Metro Waste Authority Des Moines, Iowa

RE: Statement of Qualifications to Develop a Master Plan for the Metro Park East and West Landfill(s)

Dear Mr. Kern,

We would like to thank you for the opportunity to present our qualifications to provide professional engineering and related services for the development of a Master Plan (Plan) for the Metro Park East (MPE) and Metro Park West (MPW) landfills for Metro Waste Authority (MWA). Selecting HDR will result in a Plan that is a guidance document, communications tool, and valuable resource for budgeting, facilities management, program implementation, and policy decisions. We will work closely with you, your staff, and your Board to ensure the Plan embodies a clear vision for MWA through the end-use of your landfill properties.

To help you achieve your goals and objectives, we have formed a project-focused and responsive team of local professionals with the required depth of knowledge, availability, and relevant planning expertise. In this proposal, you will see why we are best suited to provide you with a comprehensive, cost-effective, timely, and efficient master plan.

Comprehensive Approach to Master Planning. Our team's experience with landfill planning, design, permitting, and operations have allowed us to develop a proper approach that we will tailor to the specific needs of MWA. This approach will produce a forward-thinking, practical, and implementable Plan. Our team will be led by Dan Bacehowski and Austin Broshar, who will serve as the Project Manager and Assistant Project Manager, respectively. Dan brings 21 years of solid waste-specific visionary planning and management experience in lowa and throughout the Midwest. Dan also brings a close and trusted relationship with Iowa Department of Natural Resources (IDNR) regulators, which will benefit MWA when navigating and permitting new approaches at the sites. Austin brings substantial MPE and MPW site knowledge, a trusted relationship with MWA leadership and operations managers, and a strong understanding of the needs and hurdles present when setting the course for MWA's vision. Dan and Austin are supported by Jeff Murray, Katie Kinley, Megan Seymour, Doug DeCesare, and others familiar with the sites and understand the regional and national trends in the industry that support a visionary plan for MWA.

Our Midwest expertise spans many of our service areas and includes our Solid Waste Practice. We are currently providing solid waste solutions to numerous municipalities and agencies throughout the Midwest. Our Iowa and Nebraska offices include more than 900 employees who have a vested interest in the success of every project. Moreover, it is through locally-driven projects such as those at MWA, Cedar Rapids Linn County Solid Waste Agency (CRLCSWA), Dubuque Metro Area Solid Waste Agency (DMASWA), and South Central Iowa Solid Waste Agency (SCISWA), where we have developed trusted relationships with regulatory agencies and municipalities alike. These relationships result in expedited results and pioneering solutions that have promoted waste or resource management alternatives, mitigated compliance concerns, and saved money.

Institutional knowledge with a fresh perspective. Our team brings institutional knowledge of your sites, staff, programs, and operations through the collaborative relationship HDR and MWA has maintained for many years, including previous master planning efforts for both the MPE and MPW Landfills. However, we're pairing that institutional knowledge with new perspectives, creating a team that can efficiently and effectively set a vision and tone for the MWA sites for the next 30+ years. The knowledge and expertise will be applied to your project leaning on our long-term regulatory relationships, understanding the solid waste market, and continuously looking for new ideas and solutions through our network of solid waste employees.

Our goal is to work together in identifying efficient and constructive approaches - doing our best to streamline processes for your benefit. We are dedicated to providing timely services and to meeting the requirements of this plan. We are excited for the opportunity to bring together our top resources from the region to support our local staff in delivering solid waste engineering services that benefit the Des Moines area community for years to come. Should you require further clarification of this proposal, please do not hesitate to contact Project Manager Dan Bacehowski at (515) 494-4691 or Dan.Bacehowski@hdrinc.com.

Sincerely, HDR Engineering, Inc.

hdrinc.com

Dan Bacehowski Senior Project Manager

matth)

Matt Tondl, PE Vice President / Nebraska Iowa Area Manager

300 E. Locust Street, Suite 210, Des Moines, IA 50309 **T** 515.449.4691

01	Contents	
02	Qualifications + Experience	01
03	Project References	19
04	Project Approach	20
05	Project Scope	23
06	Additional Information	30
07	Project Schedule	36
08	Project Fee	37

Qualifications + **Experience**

Name, Location, + Size of Firm

HDR has partnered with clients to shape communities and challenge the boundaries of what's possible. Headquartered in Omaha for more than 100 years, our expertise spans 10,000 employees in more than 225 locations worldwide - including four offices in lowa. Our engineering, architecture, environmental, and construction services bring an impressive breadth of knowledge to every project. We are consistently ranked among the top firms by leading industry publications, including Engineering News-Record and Architectural Record. Our optimistic approach to finding innovative solutions defined our past and drives our future.

Our Iowa Offices

Following our inception, it didn't take us long to expand our resources into the State of Iowa, and we've been successfully partnering with Iowa communities ever since. We have office locations in Des Moines, Ames, Coralville, and Cedar Rapids which provides us with an intricate understanding of the local markets.

Many of our staff members attended lowa universities, work with lowa clients and call lowa home. Our team will have the advantage of collaborating with colleagues that have direct experience working in Central lowa.

Number + Nature of Staff to be Used

Solid Waste Experience

Our team stepped onto the solid waste scene in the 1970s with our work for the City of Lincoln, Nebraska, and you, Metro Waste Authority. We quickly became known as a go-to firm for solid waste consulting by the 1980s. Today we can proudly say that our team's talents have helped our clients' solid waste facilities receive more than 25 awards for excellence. We have some of the most skilled and brightest professionals pushing boundaries to take projects from upfront stakeholder involvement and

OUR INTEGRATED WASTE MANAGEMENT SERVICES

- Integrated waste management planning
- Waste transfer + processing facilities
- Energy from waste + conversion technologies
- Organics management
- Landfill + landfill gas (LFG) services
- Permitting, studies, siting + optimizations
- Hazardous Toxic + Radioactive Waste (HTRW) and environmental remediation
- Strategic consulting + public involvement

conceptual planning to final design, then through construction and into operation. Our assistance with clients' awardwinning projects focuses on operational and safety excellence, integration into the surrounding environment, and incorporation of energy conservation and cost control measures while also meeting or exceeding regulatory requirements. Our local staff includes technical experts across multiple solid waste fields, including landfill gas, operations, groundwater compliance, and waste to energy. We've built this local team, coupled with our national experts, to ensure a comprehensive, holistic look at landfill planning and execution.



DES MOINES BRANCH OFFICE

300 E. Locust Street, Suite 210 Des Moines, IA 50309

CORPORATE HEADQUARTERS

1917 S. 67th Street Omaha, NE 68106

Names, Positions, + Experience of Proposed Staff

Our approach is to think global, act locally. What does this mean to you? It represents an experienced, worldclass project team with local knowledge of your facilities, understanding your needs, and detailed knowledge of solid waste facilities and their role as part of an overall integrated solid-waste system. The team brings together its collective experience from across the continent.

We have built a team to provide you with a combination of strong local project delivery capabilities and the best North American technical expertise.

Leading our project team is a core leadership consisting of **Dan Bacehowski**, who will provide overall project leadership in managing this project. Dan has brought visionary approaches to multiple agencies in the Iowa solid waste industry. He will serve as an avenue to understand statewide and regional trends and a path to successful navigation of regulatory requirements.

Austin Broshar, EIT, will serve as the Assistant Project Manager and provide a detailed understanding of site characteristics, a trusted relationship with MWA leadership and operations managers, and a strong understanding of the needs and hurdles present when setting the course for MWA's vision.

Doug DeCesare, PE, will serve as a Technical Advisor. He is an experienced and award-winning landfill and solid waste facility engineer. **Jeff Murray, PE,** will round out our leadership team as the QA/QC Manager. Jeff brings more than 23 years of experience and is well-versed in every aspect of landfills. We picked these people specifically for you to ensure you receive the best quality project.





ADDITIONAL SOLID WASTE RESOURCES

As mentioned before, our solid waste team boasts 175+ professionals from around the world. These solid waste professionals are dedicated to working in the solid waste industry every single day and have been providing solutions for facilities for more than 40 years. We have carefully aligned our team to the needs identified in your scope of services.

However, we understand that every project has its own unique process, needs and demands. We know things can change and fluctuate at a moment's notice. That's why we are always prepared to offer additional resources when they are needed.

Specifically, we bring experts like **Mark Roberts**, **PE**, who offers 36 years of engineering experience on numerous solid waste specific projects. Mark has partnered with clients on various aspects of solid waste systems including identifying beneficial end uses like the work he did for Republic Services at the Hickory Ridge Landfill in the use of a Solar Energy cover system evaluating the potential for implementation of an organics waste diversion program.

We bring many additional resources, like Mark who offers unique insights with direct and indirect relevant industry experiences and knowledge. And while Mark, as well as many others, are not identified in our cost estimate or mentioned here, we are ready to give you the right resources when they make the most sense. When you select HDR for a project, you always get our very best.

Organization Chart

Our proposed Organizational Chart is presented below. The personnel shown will be contractually committed to you for the project's duration and will not be removed without your prior approval. We have additional personnel available to verify redundancy throughout the planning effort. You can be confident that our team members are committed, dedicated, and available to execute aspects of this planning effort to MWA's satisfaction.

In short, we trust you will agree that HDR is well-suited to assist MWA and to execute the requested services to your satisfaction. The brief resumes below and on the previous page indicate the roles of our project team members. It also identifies applicable skill sets of the people assigned to the project and shows that we have designated professionals in each project component, as necessary.



PROJECT LEADERSHIP



Dan Bacehowski

Senior Project Manager Dan brings over 21 years of technical and management experience in environmental engineering consulting, including client and project management,

with a focus on public solid waste facility and program planning/development, onsite operations improvements, regulatory compliance, optimization of hydrogeologic monitoring systems, design of groundwater remediation systems, and continuous improvement of environmental management systems (EMS). Dan has served as client and project manager for public, private and industrial clients, he promotes a collaborative team approach toward meeting clients' needs by involving the necessary stakeholders and the HDR project team. He has a trusted relationship with the Iowa DNR, working closely with them on rules review and revision efforts, and currently serves as the Technical Advisory Committee Chair for the Iowa Society of Solid Waste Operations (ISOSWO).



Austin Broshar, EIT

Assistant Project Manager Austin provides operational guidance, innovative design concepts, and construction quality assurance oversight at waste facilities. Austin works at

multiple sites across Iowa with landfill GPS systems to develop operational fill planning and cell development management. He also brings experience with landfill annual engineering services, including financial assurance, airspace analysis, operations planning, GIS mapping, zoning and property acquisitions, and landfill permitting. He is adept at developing contract specifications and design details. Austin has significant experience at both MPE and MPW facilities, working alongside MWA for the last six years. His keen understanding of your sites and the desires of your site operators will help drive an innovation and forward approach.



Doug DeCesare, PE

Technical Advisor Doug has worked in the solid waste industry and, in particular, at landfills for over 26 years. He has worked at landfills with less than 50 tons per day (TPD) and up to 5,000

TPD assisting clients with the development of their landfill facility through careful consideration of construction phasing, capital expenditures, operational efficiencies, stormwater controls, landfill gas development, and operational costs. Through his experience at over 29 landfills throughout the United States, Doug brings concepts that have saved clients time and money through innovative approaches. He has seen what works well and what hasn't worked well.



Jeff Murray, PE

Quality Assurance/Quality Control Jeff Murray, PE, will serve as the QA/QC Manager for this project. Jeff has more than 23 years of experience and serves as HDR's

National Landfill Services Practice Lead. His expertise includes planning, design, permitting, and construction administration of municipal solid waste and industrial landfill expansions, landfill closures, post-closure landfill reuse, and recycling and transfer station facilities. Jeff formerly served as the International President for the Solid Waste Association of North America (SWANA) and remains active with the planning committee of the SWANA Landfill Technical Division. Jeff has been involved with the chapter and international governance of SWANA since 1998. He has assisted with developing the Manager of Landfill Operations (MOLO) certification course and post-closure care and long-term management technical policies.

PROJECT **TEAM**



Garrett Williams, PE Options/Layouts/Site Design/ Closure/End Use Garrett has been a critical team member in planning landfill operations and design, which has involved siting, layout, and

calculations, and regulatory communication. He provides local and regional clients with a multitude of services. Work included planning and development of disposal cells along with permitting updates at each site, as appropriate. His local experience includes work for various clients, including Metro Waste Authority, South Central Iowa Solid Waste Agency, City of Lincoln, and the City of Vermillion, among others. With more than 15 years of experience in land development and solid waste experience at numerous landfill and waste handling facilities, Garrett understands the need for targeted planning and operational efficiencies for solid waste management.



Katie Kinley, PE Options/Layouts/Site Design/ Closure/End Use Katie has over six years of experience in landfill engineering design and operations support, permitting, and quality assurance

services. Her expertise includes leachate system and stormwater design, preparation of construction drawings and bid specifications, airspace analyses, site phasing plans, and landfill gas collection and control system design.



Eric Sonsthagen, PE Landfill Gas

Eric will support the design and planning efforts associated with your facility. He will support phased development of liner design, leachate collection, slope stability,

settlement analyses, and other supporting calculations. Eric will also serve as our landfill gas expert for the project. He will be responsible for evaluating air quality permitting and reporting requirements associated with the expanded facility in this role. Eric has over 15 years of engineering experience on hundreds of solid waste projects around the nation. He is a solution-driven leader with unmatched experience leading and executing similar services at public waste management facilities.



Megan Seymour, PE Groundwater

Megan is a professional engineer focusing on water quality projects that includes groundwater sampling, evaluation and reporting, assessment of corrective measures, and nature

and extent studies. She also specializes in investigations and assessments of source control measures and remedial alternatives from lined and unlined landfill cells. She has significant experience performing multiple environmental compliance duties, including stormwater permitting and SWPPP development, air permitting, landfill permit renewals, and environmental site assessments. During her work at waste facilities, she has identified methods for streamlining groundwater reporting and assisting clients with maintaining compliance schedules. She works hard to make sure our clients are doing what the permits and regulations require, so you don't have to.



Greg Shafer, PE, CTD

Geotechnical Greg is involved in many civil aspects of design, construction, and documentation, including geosynthetics and soils. Greg has experience in permitting and

compliance-related activities associated with geosynthetics and geotechnical evaluations. He will support the project by evaluating these aspects for the various phasing and development scenarios. He has experience with materials testing and geotechnical analysis. He has provided geotechnical, liner, and capping system design, construction observation, and contract administration for numerous landfill projects for Douglas County, Grand Island, Beatrice, and Fremont, Lincoln, as well as Des Moines, IA and Sioux Falls, SD, throughout his 26-year career.



Lori Calub, PE

Permitting

Lori brings more than 28 years of solid waste consulting experience with extensive experience in permitting landfills. She has worked on over 23 permit plans

and applications for municipal solid waste landfills, C&D landfills, industrial monofill, coal ash (CCR) monofills, transfer stations, and processing/baling facilities. Since 1993, Lori has been directly involved in the permitting or permit renewals of 13 landfills in the Midwest, three of which were greenfield sites.

PROJECT **TEAM**



Brent Learch, PE Options/Layouts/Site Design/ Closure/End Use Brent is a go-to resource for clients and peers. He has eight years of experience and is a dedicated Waste Engineer. Brent brings broad

expertise in waste engineering and has completed many of the comprehensive engineering services associated with waste facilities, site development, and environmental projects. Furthermore, Brent has been involved with previous master planning efforts at MWA facilities and has extensive institutional knowledge of each.



Andrea Ramirez, PE, ENV SP Organics & Composting Andrea brings national expertise on numerous organics studies from around the country. She

has 14 years of experience in the waste management industry,

during which she has worked on a variety of planning and design projects for both disposal and waste diversion programs. She has performed waste facility feasibility studies, site evaluations, conceptual site designs, and master planning for an assortment of waste management and diversion facilities, including composting facilities, transfer stations, resource recovery parks, anaerobic digestion, and other alternative energy facilities.



Greg Gesell, PE

Waste to Energy/MRF/ Conversion Technologies Greg has more than 35 years of experience in the solid waste industry. He has been involved in the implementation and design of

material recovery facilities (MRFs), transfer stations, and various WTE facilities. As a mechanical engineer, Greg's experience includes equipment evaluation, WTE design and layout, retrofit and conversion technologies and acceptance testing, mixed waste processing, front-end processing systems, bulky waste processing, metals recovery systems, engineering and design, specification writing, preparation of general arrangements, preliminary site arrangements, flow diagrams, ash handling, construction, and start-up monitoring and performance testing. Greg serves as an Advisory Board Delegate for the Waste Conversion and Energy Recovery Technical Division of the Solid Waste Association of North America (SWANA) and contributed to the "Beneficial Reuse of Waste to Energy Ash" paper prepared by the SWANA Applied Research Foundation.



Sara Arabi, BCEE, PE, PhD Compliance / Leachate Treatment Sara has 14 years of experience in environmental consulting, research, and process engineering for water/ wastewater treatment. Her primary background and area of expertise is

wastewater treatment plant design and optimization for municipal and industrial applications, including landfill leachate, food/beverage, and power/metals for wastewater treatment facilities in the United States and Canada.



Ashley Jasso, PE, ENV SP Organics & Composting Ashley has assisted with a variety of projects, including the development of solid waste permitting applications, groundwater sampling, composting with a focus on organics diversion,

and construction quality assurance. Ashley brings vast regulatory experience with her prior experience with the Nebraska Department of Environmental Quality in the Air Quality Division. Her work experience is focused on solving problems from a sustainability perspective by addressing complexity, uncertainty, environmental limits, trade-offs and other issues through tools including resilience thinking, systems dynamics, multi-criteria decision analyses, lifecycle cost analyses, scenario planning and other similar systems-level approaches..



Bruce Howie, PE

Waste to Energy/MRF/ Conversion Technologies Bruce has more than 21 years of experience in solid waste in areas of municipal facilities, including waste-to-energy facilities, solid

waste transfer stations, materials processing, and recovery facilities, and wastewater treatment plants. Also, he has experience in air quality and air pollution control technology and has worked on and continues to work on a number of air pollution control retrofits at municipal facilities and researching the health effects of air pollutants on sensitive populations. He has played a vital role in many significant projects, including operation and maintenance inspections and evaluations; mechanical and process design; analysis of estimated costs for design construction and operation; writing and reviewing technical specifications; permitting; and environmental compliance review.

PROJECT **TEAM**



Will Nicholson, EIT Compliance

Will brings 13 years of experience in the construction industry with roles that have included project manager, site supervisor, bid proposer, and project designer. With this

experience, he brings a unique perspective of the various facets of a project from each stakeholder's point of view. He is experienced in understanding and responding to contracting needs, forming relationships with local government through focused permitting and inspection processes.



Marcella Thompson, ENV SP

Sustainability / Carbon Reduction Marcella brings over 20 years

of sustainability and climate action experience, including

recent experience with sustainable planning and design in Eastern Iowa. Combine that with the passion and innovation she brings to her work. She is a trusted advisor and partner to clients to identify transformative strategies to take action on climate change, improve energy and water efficiency, and eliminate waste.



Katie Hatfield Edstrom, PhD

Strategic Communications Katie brings more than 17 years of experience in a strategic communications role. She has been instrumental as a

communication leader in a variety of projects in the solid waste industry. She has served as a public involvement coordinator for the City of Lincoln Solid Waste 2040 Plan and spearheaded the benchmark analysis of the City of Sioux Falls solid waste management education and outreach program. Katie brings educational experience teaching at Central Michigan University, Ohio University, and Creighton University in public communication. She offers her understanding of audience analysis, message construction, and public influence to this effort and can guide the development of an education program capable of making a considerable impact.



Michael Bickford

Options/Layouts/Site Design/ Closure/End Use Michael has been working in AutoCAD software for over 15 years and has progressed through numerous versions to become an

efficient grading and modeling technician. He has worked with public and private clients on various project types of solid waste projects, including landfills, landfill gas, weigh scales, and volumetric analyses. Michael is well-versed in AutoCAD and Civil 3D and brings extensive experience developing site grading plans, roadway and utility plans and profiles, and earthwork calculations.



Brian Bakke, PE

Sustainability / Carbon Reduction Brian brings an in-depth understanding of the technical, regulatory, and financial aspects of various biogas and landfill gas

conditioning and utilization options for wastewater facilities, co-digestion facilities, and landfills. His goal is for our clients to understand their biogas and landfill gas's value and provide the technical capabilities to design and construct solutions to maximize that value.



Kristen Veldhouse

Strategic Communications Kristen is a strategic communications specialist using her skills to satisfy the needs of her clients best. Kristen specializes in leading local,

regional, and statewide strategic communications programs and developing and implementing public relations and engagement strategies. Kristen excels in leveraging existing communication strategies and employing new technologies and tools to achieve the best possible outcome for her clients. She is skilled in developing messaging that resonates with her audience, including public-facing outreach and widescale media and social media campaigns. Kristen also conducts detailed stakeholder and issues analyses for her projects and leads video production efforts that reinforce her project's communication goals. Kristen is a trained facilitator and mediator and has excellent leadership skills.

Landfill-Related Experience

HDR has provided planning, design, and engineering services at more than 100 landfills across the U.S., each with its own needs and site goals. This extensive experience has brought our clients national recognition and awards for various solid waste facilities.

Many of our client's projects have been awarded and recognized by the nation's leading solid waste professional and industry organizations. Facilities and programs where HDR has been instrumental have won numerous SWANA Excellence Awards. These projects were accomplished based on a strong partnership and team effort. HDR prides itself on its ability to serve clients for the long term and assist in developing award-winning facilities. The results are successful projects for our clients.





DUBUQUE METRO AREA SOLID WASTE AGENCY

Master Site Development Plan

Dubuque, IA

DMASWA selected HDR to aid in defining and implementing their vision to optimize site function and utilization through the end of the century by creation of a long-term master site development plan for the landfill facility. As a part of developing this plan, short-term improvements representing immediate needs were determined based on current operational opportunities, challenges, market demands, and financial commitments.

Throughout the master planning process, the project team evaluated the short- and long-term improvements/modifications that will result in a safe, efficient, and effective solid waste management facility with the capacity to support the DMASWA's needs now and into the future. Three foundational outcomes which were identified at project outset and used to guide project planning and decision-making efforts included:

- Create infrastructure to support operational efficiency for core business.
- Maintain flexibility in response to external factors affecting site entrance.
- Improve availability and quality of service to customers.

The final plan was broken into short-term and long-term options and included locations, footprints, development schedule, and construction cost estimates for a new administration building, maintenance building, and scale house; roadways; traffic pattern delineation; and an expanded citizen campus. The long-term option also included a material recovery facility which could flex as a waste transfer station should market conditions dictate, land set-asides for use by private partners interested in utilizing landfill gas, geothermal heat, or other landfill resources in their business, and relocation of the landfill gas flare skid for improving viability of securing a direct use project from the nearby industrial park.

Beyond the master planning efforts, HDR continues to support DMASWA with regulatory compliance and budgeting for various capital projects.

KEY FEATURES

Maintenance facility and wash bay sizing, conceptual design, and site location options analysis.

Queuing study and revisions to commercial/customer traffic patterns. Citizen convenience center layouts, sizing, and programming.



CEDAR RAPIDS / LINN COUNTY SOLID WASTE AGENCY

Engineering + Master Planning

Linn County, IA

We were retained by the Cedar Rapids/Linn County Solid Waste Agency (CRLCSWA) to provide engineering services for a master plan that included site and facility improvements. The objectives of the project included identifying improvements necessary to manage additional traffic and accommodate facility users when the Site 1 landfill closed and the Site 2 landfill re-opened; identifying locations and general arrangements of facilities to be implemented following the re-opening of the Site 2 landfill; and the development of a comprehensive implementation strategy and schedules based on various site use development alternatives.

Based on the options evaluated, five solutions were developed to address short- and long-term waste management needs that included: 1) a short-term plan for upgrading internal roads, the scales and scale house as well as integration with existing recycling, special materials, and Pollution Prevention Center (PPC); 2) a consolidated and improved citizen area, including a more efficient and integrated group of recycling, special materials, and PPC facilities at a new location onsite; 3) identification of space for a future maintenance building; 4) identification of space for a transfer station; and 5) identification of space for a future administration building and educational facility. HDR subsequently designed and provided construction phase services for implementation of the short-term facility improvements recommended by the master plan. Since that time, the relationship between HDR and CRLCSWA has grown to the point it is today: We currently provide engineering services for all engineering design, construction, planning, operational evaluations, and environmental permitting and regulatory support needs at CRLCSWA Site 2. Beyond routine site development projects and annual engineering services related to groundwater, gas, stormwater, and leachate, our role as CRLCSWA's engineer includes daily interaction in support of operational decisions and strategic planning at all levels of the organization. Examples of this work include development of a 3-year operational fill plans, soil borrow usage projections, access road planning and construction, volumetric analysis, financial assurance and budget planning support, Environmental Management System strategic planning, staff training, and implementation of storm water control best management practices.

KEY FEATURES

Reviewed site development beyond current approvals to evaluate how expansion would benefit the agency.

Implement operational changes to improve landfill disposal density (more waste in the same volume).

A core client that HDR continues to support various solid waste projects including operations planning, landfill gas system management, new cell development, among others



METRO WASTE AUTHORITY

Master Planning Services

Des Moines, IA

Since designing the original cell of the Metro Park East Landfill in 1970, HDR has provided the complete spectrum of solid waste planning and engineering services to Metro Waste Authority (MWA) in Des Moines, IA. Collectively managing over 800,000 tons of material per year, MWA facilities include two landfills (Metro Park East and Metro Park West), two transfer stations (Metro Central Transfer Station and Metro Northwest Transfer Station), a hazardous waste drop off facility (Metro Hazardous Waste Drop Off), and a composting facility at the MPE Landfill.. MWA is a nationally renowned public solid waste management agency who prides itself on looking for opportunities to challenge the status quo, identify innovative emerging technologies or techniques for incorporation into their operations, and plan for future facility and market growth.

HDR has historically supported MWA at their facilities by completing master planning, feasibility analyses, public outreach, and engineering design across a broad array of conventional and alternative solid waste projects. As examples, below is a summary of projects completed by the HDR team specific to the services requested in this RFQ:

Transfer Trailer Storage Building Master Plan. Metro Waste Authority saw 20% annual growth in tonnage to the landfill and nearly 50% annual tonnage growth to the transfer station, the demand for onsite transfer trailer vehicle support facilities increased, and need to maximize existing infrastructure and identify the preferred location, size, and function of required future support infrastructure in such a way as to increase functional efficiency of infrastructure elements and reduce the need to relocate constructed infrastructure became increasingly important. The requirement for new infrastructure and growth of MWA's existing facilities and ancillary features required adequate planning for budgeting, timing, and spatial requirement designations. In response to this need, HDR prepared an infrastructure master plan including, but not limited to, components such as truck wash, fuel tanks, access roads, maintenance building, trailer storage, utilities, alternative waste management program and service areas, and storm water control measures. The master plan utilized a series of collaborative workshops to define user and facility requirements, site layout alternatives, and existing site constraints (wetlands, existing long-term development plans, zoning, and surface water flow).

The resulting plan was used as the basis for design of the 22,000 square foot transfer trailer storage building. HDR recently worked alongside MWA staff to expand the transfer trailer building to incorporate heated bays.

MPE Master Plan. In preparation for closure of the Phase I development area, HDR was selected to complete a landfill facility master plan to guide facility growth and greenfield landfill development. The final project deliverables have been used for the past decade to communicate the MWA mission to staff and stakeholders, and include phase development and fill sequencing plans; waste generation, market growth, and disposal projections; market research for waste stream targeting or diversion program opportunities; and facility-wide engineering design and construction detail development for liner, final cover, access roads, onsite facilities and infrastructure, and surrounding property.

MPW Master Plan. We were retained to re-master plan the existing landfill to optimize site volume, improve filling operation, site access, groundwater collection, leachate collection and to identify long-term strategies for future expansion. Upon review of the existing landfill design, we identified and implemented opportunities for reducing the number of leachate sumps, utilizing gravity rather than pumps to transmit leachate flows, and modifying cell geometry to better facilitate operations and eliminate the need for a groundwater underdrain system. As part of planning efforts, we also prepared a soil management plan to allow MWA the flexibility to develop a new soil borrow area and sedimentation basin within the next landfill Phases' footprint utilizing MWA staff and equipment at the pace of MPW operations.

KEY FEATURES

Master planning of both the MPE and MPW Landfills

Planning for numerous solid waste applications including composting, liquids solidification, landfill gas system expansions, maintenance buildings, transfer stations and overall landfill operations.

MWA is a long-standing HDR client. Through multiple generations of Project Managers, we continue to grow together.



SOUTH CENTRAL IOWA SOLID WASTE AGENCY

Landfill Master Plan

Tracy, IA

HDR was retained by the South Central Iowa Solid Waste Agency (SCISWA) in 2016 to provide engineering services for a Master Plan that included both short term (1 to 10 years) and long term (10 to 100 years) vision for their landfill located in Tracy, lowa. The master plan serves SCISWA as guidance, management and a permitting tool for liner grades, cell sequencing, fill progression, storm water control, landfill gas collection, and final capping plans into the future.

As part of this master plan, an evaluation of current and future operations across the Board were evaluated for SCISWA. Further description of these various components is described below:

- Evaluation bottom liner base grades for constructability in potential expansion areas and groundwater controls.
- Identification of sequences of cell construction based on base grades selected to accommodate site operations, planned tonnages, access, storm water control, and constructability.
- Evaluation of site development (e.g., liner construction, filling progression, groundwater control, monitoring well sequencing, storm water control, capping, landfill gas collection) based on site-specific considerations and technologies.
- Development of a soil's management for soil excavation and storage sequencing activities to avoid conflicts with future landfill development.
- Evaluation of slope stability of increased side slopes to gain additional disposal capacity.
- Identification of benefits and costs of various cover alternatives, as well as issues to be addressed in implementing steeper side slopes (e.g., maintenance, more frequent terraces/prevent soil loss).

- Development of top deck configurations to optimize available airspace including possible options if the maximum filling elevation is limited by regulatory or other considerations.
- Evaluation of leachate lagoons versus storage tanks based on spatial requirements/constraints, operation (e.g., aeration), maintenance, and longevity.
- Development of conceptual plan(s) for automated leachate recirculation options.
- In addition to landfill operations, this also identified the need for future relocation of administrative, management or ancillary operations facilities (including Citizen Convenience Center, electronics de-manufacturing, future potential landfill gas system, existing onsite buildings, etc).
- In all, HDR helped SCISWA gain further clarity and direction on how to expand the life of the landfill while making the day to day operations more efficient and cost effective.

KEY FEATURES

Development of short-term landfill expansion to accommodate 7-9 years of capacity.

Identify long-term disposal capacity adjacent to current footprint.

Expansion area improved on overall landfill systems by consolidating leachate management.

Cost estimating and site development sequencing.

Conceptual layout of citizen convenience center drop-off areas.



CEDAR RAPIDS LINN COUNTY SOLID WASTE AGENCY Site 2 Landfill Capacity Study

Linn County, IA

We were retained by the Cedar Rapids/Linn County Solid Waste Agency to provide engineering services for a capacity study that included facility improvements and airspace optimization for the Site 2 landfill located in Marion, Iowa. The Site 2 landfill was at a critical juncture of facility development where long-term strategic decisions dictating the duration of remaining site life were required to be made in order to maintain a near-term cost-effective and uninterrupted waste disposal option for the citizens of Linn County. Although the existing permitted landfill was not projected to reach final capacity until July 2040, the existing constructed liner system only had enough capacity to accept waste until mid-2022.

As part of this study, a detailed qualitative and quantitative comparative analysis was completed between various options for a landfill waste footprint modification of the Site 2 landfill based on discussions, meetings, and review of historic data. The analysis resulted in a recommended preferred option and corresponding implementation schedule. The capacity study was driven by four (4) primary elements that include the economic impact; design and sequencing of fill; maintaining compliance with the lowa Administrative Code (IAC); and creating an implementable and achievable plan (inclusive of community acceptance, local approvals, and operational considerations). Taking these drivers into consideration the study evaluated the following three (3) options regarding waste disposal for businesses and residents located within Linn County, lowa:

- Waste footprint modification of Site 2 at the existing location.
- Fill to existing permitted Site 2 grades, close Site 2, and siting of a new incounty landfill at a new location.
- Fill to existing permitted Site 2 grades, close Site 2, and utilize Site 2 as a waste transfer point to haul waste for out of county disposal.

This study was developed and shaped through multiple discussions with the Agency to plan future development and confirm the vision and direction of the facility. Consideration was also given to the Agency's prior experience working with surrounding communities and stakeholders during the siting and approvals process for the facility's previous waste footprint modification completed in 2008. Components of the study included a project background that consisted of discussions regarding site history, existing conditions and project drivers. An options analysis was presented that covered modifications to Site 2 including locational restrictions, volume and site life analysis, leachate management, storm water management, landfill gas management, soil management, new in county landfill, out of count disposal, and capital cost summary. A preferred options plan was developed that included plan descriptions and drawings, locational restrictions, volume and site life analysis, groundwater management, leachate management, storm water management, landfill gas management, soil management, access roads, support facilities, capital cost opinion, and an implementation schedule.

KEY FEATURES

Short- and Long-term disposal planning.

Evaluate various fill options including landfill expansion, siting new landfill and development of the site to a waste transfer point.

Reviewed option to stop disposal and shift to privatization of waste handling.



METRO WASTE AUTHORITY MNTS Campus Planning

Des Moines, IA

In 2013, MWA recognized the growth in the western portion of their service area and also identified that the existing Metro Central Transfer Station was operating above design capacity for several years and it was time to construct a second transfer station. HDR assisted MWA with the planning of its second transfer station, Metro Northwest Transfer Station (MNTS), by developing several design concepts, determining the size of the facility and rezoning of the site. The MWA owned property site for the MNTS had several challenges that HDR helped MWA navigate through the planning, design, and construction processes. The site included two parcels of land of which only one parcel was zoned correctly and identified in the special use permit (MWA originally anticipated only requiring one parcel for a future transfer station). HDR worked with the City of Grimes to adjust the zoning of the second parcel of land and expand the special use permit to cover it. The second parcel of land was necessary for the transfer station because MWA permitted local municipalities to construct and operate two large salt storage barns at the site. As such HDR was required to not only design around the salt storage barns but also incorporate their operations within the site development plan. After a series of workshops with MWA and discussions with the local municipalities, HDR developed a conceptual site plan that met the goals and objectives of all parties involved.

After the planning and conceptual development of the MNTS, HDR provided design and construction services for the transfer station that is capable of handling 1,500 tons per day. Utilizing experiences from other transfer stations and MWA's own experiences from the Metro Central Transfer Station, HDR incorporated several enhancements into the design that will increase the longevity of the facility and minimize maintenance costs. Additionally, the design included automated scales and multiple fiber optic communication systems that allow the facility to be operated with minimal staff and increase efficiencies. MNTS includes full grade separation with a two-hopper system, top loading with loadout scales in the tunnels and an indoor tarping area for the transfer vehicles. The indoor tarping area serves to reduce windblown litter and allow for easier tarping before transfer during winter months. Since becoming operational in January 2016, this state-of-art facility has enhanced MWA's services to its customers and will be a facility that will meet the needs of MWA for many years to come. **KEY FEATURES**

Greenfield site master planning and programming.

Maintenance building planning, needs assessment, design, and construction.

Site layout with traffic flow analysis, including design for citizen convenience center, transfer station, and operational support functions.

Transfer station siting, zoning, design, and construction quality assurance.



PINELLAS COUNTY Solid Waste Master Plan

Pinellas County, FL

Pinellas County has one of the most robust integrated solid waste management systems in the country. It manages more than 2.2 million tons of waste annually, recycling more than half. Led by a visionary team, Pinellas County brought HDR on board to develop a 30-year solid waste master plan with an ultimate goal of Zero Waste to Landfill.

HDR evaluated the county's existing system with a clear vision to provide a dependable, accessible and sustainable integrated solid waste management system for the region. Key infrastructure analysis included recycling processing, waste transfer, waste-to-energy capabilities, organics management and preserving and expanding capacity of the county's only landfill, as the county works towards its goal. The master plan also evaluated existing programs and policies to identify where enhancements would best support the county's vision and goal.

Alongside county staff, HDR led a comprehensive process to understand the system, identify gaps and solicit intra- and inter-regional perspectives. A list of more than 70 options for improvement was created, and identified programmatic changes, modifications to existing infrastructure and new assets with the potential to move the county closer to its zero waste goal.

Community input was welcomed with a series of public meetings where residents voiced insights on the existing system and shared recommended strategies for the future.

The options were narrowed based on a rigorous review that considered social, environmental, financial, regulatory, operational and administrative impacts. The number of options was ultimately reduced to 28 strategies, which best fit Pinellas County's goal. The strategies were designed to improve recycling, diversion and solid waste operations, to enhance existing programs and add new ones, and to implement new facilities and technologies over the next 30 years.

As the county implements the solid waste master plan over the coming decades, five key tactics serve as a guide post for decision making.

As the county implements the solid waste master plan over the coming decades, five key tactics serve as a guide post for decision making.

- Minimize generation
- Maximize recycling
- Maximize recovery
- Responsibly manage what's left over
- Collaborate with partners

Including diversion of waste through enhanced programs and new policies like organized collection and business recycling, the master plan is designed to increase efficiency and capacity of the county's sole landfill and develop beneficial use of the ash residue from the waste-to-energy facility. If the results of the final strategies are fully realized, the county will be wellpositioned to extend the capacity of the waste-to-energy facility — its keystone asset — throughout the 30-year planning period, and achieve its goal of Zero Waste to Landfill before the end of the planning period.

CITY OF TORONTO Long-Term Solid Waste Management Plan

Toronto, ON, Canada



A team of HDR waste experts has worked hand-in-hand with the City of Toronto to develop a long-term waste management strategy aligned with their goal of a zero waste future. And our hard work has paid off.

Toronto City Council unanimously approved the strategy in July 2016, laying the City's waste management framework for the next 30-50 years. The strategy not only builds on the City's existing waste management system, it identifies a path of forward thinking and continuous improvement, further establishing Toronto as an international city of innovation and leadership. The strategy focuses on the 5R's (reduction, reuse, recycling, recovery and residual disposal) to minimize waste requiring disposal and to move the City towards a circular economy that views waste as a resource. Community engagement has a high priority to encourage participation by Toronto's residents, over half of whom live in apartments and condos.

As the largest and most diverse urban municipality in Canada, Toronto has the unique, and sometimes challenging, responsibility of providing efficient and effective waste-management services, while constantly searching for improvements. Being a global leader enables Toronto to explore new technologies, programs and services while developing and applying creative solutions to meet their needs.

REGIONAL MUNICIPALITIES OF DURHAM & YORK Energy Centre

Durham and York, ON, Canada



For the regions of Durham and York, it all started when Michigan, where the regions had been shipping their residentially generated solid waste for years, announced it was closing its borders to waste shipments from Ontario municipalities. After exploring alternatives, the regions decided Energy from Waste (EFW) was the answer. It addressed concerns like securing long-term landfill capacity and the ever-rising cost of waste transport, along with meeting stringent air emissions regulations and producing zero water emissions.

Most importantly, it looked at waste as a resource.

We've worked on more than half of the 90 Energy from Waste projects in the U.S., and when the regions chose this as their delivery method, our team came on board to guide them through the procurement process. Construction began for the 140,000 metrictonnes per year (that's 35 truckloads per day) EFW facility. As the project grew, our team expanded to also include individuals who were responsible for the siting, consultation and permitting of the facility. Serving as the owner's engineer, we acted as part of the region's team to provide ongoing design review and construction monitoring support. The Facility began commercial operations in late 2015 and was producing enough electricity to power up to 14.000 homes.

Firm's Approach to QA/QC

To provide quality services and document such quality is being achieved, HDR has a Quality Assurance (QA) Program in place.

We take Quality Management seriously. It is a necessary process that is followed on every single project and not just a theory. We have a fully documented quality management procedures manual that is maintained. This manual comes with forms and checklists used by the Project Managers and the Quality Control staff assigned to the project. Every report, document, drawing, and plan is checked for accuracy and meets the client's terms. Each checkpoint on the form has a notation that the document was reviewed, complies with the client's scope of work, and a plan of action if it does not meet the QC standards. As part of our QMS policy, each project must have a project-specific Quality Control Plan, which defines the schedule for quality control reviews, the staff to conduct the reviews, and the budget that is to be set aside for these reviews to occur. Having QC procedures and standards assures that every deliverable is checked for accuracy before it reaches the client. HDR also completes internal QA/QC reviews of the project and project managers to ensure that you receive a quality project with quality deliverables. Management reviews are conducted at critical milestones of the project, 30%, 60%, and 90%. Management reviews include the following items:

- Proper Project Staffing
- Budget Tracking Cost to Complete
- Schedule Tracking
- Completion of Quality Control Reviews
- Client Satisfaction
- High-Risk Items

Personnel Responsible for QA/QC

We are organized to deliver the best solutions for you. Our Quality Office professionals report directly to executive management. They are responsible for developing, implementing, monitoring, supporting, and auditing the Quality Management System (QMS). The Quality Office initiates executive management's directives and QMS improvements. Our Quality Management is a 'top-down approach,' and each person involved in the organization's success is responsible for quality.

Jeff Murray, PE, will incorporate applicable QMS Procedures into this project. He will achieve and maintain product and service quality as measured by standards of professional practice and by standards of quality established by our company leadership, Business Group Directors, and clients. It is his responsibility to communicate project quality requirements to project team members.

Doug DeCesare, PE, will bring his more than 26 years of experience on Solid Waste expertise and work with Jeff on the appropriateness of the project approach, the capabilities of project team members, and any corrective actions needed to carry out the assignment are evaluated. Action items are monitored throughout the project's life. Deliverables are analyzed through quality checking and QC reviews before completion. In addition, an opportunity is provided to make adjustments or corrections if necessary.

Subcontractor Quality Management

We make seamless integration possible, evaluating and selecting subconsultants based on past performance, technical abilities, cost, and ability to supply services per project requirements. Project Managers and Area Managers/Managing Principals conduct subconsultant evaluations. When appropriate, Regional Leadership provides input on subconsultant selection.

Subconsultant fees and any associated risks are evaluated during a proposal and contract review. The evaluation and approval are documented and required before finalizing agreements and contracts.

Deliverables provided by a subconsultant are subject to the same QC review criteria as HDR's deliverables. The subconsultant is required to provide a subconsultant Quality Management Plan (QMP) that identifies the specific quality practices, resources, and activities used to fulfill the project requirements. The Project Manager is responsible for reviewing and approving the Subconsultant QMP before the substantial expenditure of subconsultant resources.

Our staff members perform a QC or QA review of subconsultant deliverables, as identified within the project's QMP, at a level of detail that protects our clients' projects.

List of Subconsultants

Below is a list of subconsultants that we commonly partner with in and around the Des Moines area. While our specific scope of work doesn't include subcontracting, we understand that it may be appropriate as the project continues and therefore are providing these firms for reference.

VOBR NIEMEYER, LLC Dave Niemeyer, PLS in Cedar Rapids, IA, serves as the Survey Crew Chief and has over twentyfive years of survey experience, including control networks, landfill topographic surveys, boundary, and right-of-way surveys. Dave has significant experience working with HDR on solid waste projects in Iowa using both ground and aerial (drone) survey processes and has been historically providing ground control survey services for MWA's MPE and MPW Landfill projects. Matt Vobr will serve as assistance with land zoning and development for this contract. Matt has worked with HDR on multiple projects related to subdivision of land, land acquisition, and zoning.

AEROVIEW SERVICES, LLC of Sperry, IA, can provide additional surveying services including aerial drone data acquisition and processing. Zach Pieper of AeroView will be the subconsultant contact obtaining drone survey data and transferring it to HDR to develop mapping, sequencing, and planning. Zach has worked with HDR on multiple projects in Iowa and historically working as a subconsultant to HDR on airspace analysis and similar survey type projects at both the MPE and MPW Landfills.

TERRACON CONSULTANTS, INC. has worked for over five years with HDR at the MPE and MPW Landfills performing soil testing and analysis, drilling and boring, and capital project inspections. Steve Kostal, Senior Project Manager, will serve as the project manager from Terracon for this master planning. Steve has experience with the geology and existent soils at both MWA landfill sites and will bring his expertise and knowledge to the project as a subconsultant to HDR. Terracon has also supported HDR with drilling for hydrogeological investigation on multiple sites across lowa over recent years.

ECOSOURCE, LLC is a small privately held environmental consulting firm located in Windsor Heights, IA. EcoSource provides comprehensive environmental services for a wide variety of clients across the Midwest. EcoSource staff includes groundwater professionals, licensed well drillers, UST removers, ecological staff, instructional designers, and field staff with diverse expertise in various sampling applications for air, soil, and water. Darren Fife, Owner of EcoSource, will serve as the subconsultant project manager for this contract and provide services associated with hydrogeological drilling and investigation, communication, and permitting with governmental jurisdictions in the area of water conservation and environmental risk assessment.



Project **References**



We encourage you to contact these references, ask them about HDR and our client commitments, the team members offered, our landfill and solid waste planning capabilities, the solutions we have provided them and how we work with our clients.

City of Iowa City

Mr. Joe Welter, PE, PMP Compliance Coordinator 410 E Washington St, Iowa City, IA 52240 319.356.5144 JOE-WELTER@IOWA-CITY.ORG

Cedar Rapids/Linn County Solid Waste Agency

Ms. Karmin McShane Executive Director 1954 County Home Court, Marion, IA 52302 319.373.4771 KMCSHANE@SOLIDWASTEAGENCY.ORG

South Central Iowa Solid Waste Agency

Mr. Rick Hurt Director 1736 Hwy T-17 Tracy, IA50256 641.828.8545 RHURT@SCISWA.ORG

Dubuque Metro Area Solid Waste Agency

Mr. Doug Hughes Facility Supervisor 925 Kerper Court, Dubuque, IA 52001 563.557.8220 DHUGHES@CITYOFDUBUQUE.ORG

Project Approach

Project Understanding

Metro Waste Authority (MWA) owns and operates two prominent landfills and a collection of impactful solid waste facilities/programs in the Des Moines metro area. which serves as the cornerstone for the solid waste services for the member communities. Visionary management of these resources will verify economically and environmentally sound solid waste management for the next thirty years and beyond. MWA is undertaking the Master Plan effort to optimize the life of its assets and provide a clear and efficient vision for managing these facilities and programs. The various components of the Master Plan identified in the Request for Qualifications (RFQ), will need to symbiotically mesh together if the plan is to be a true asset and provide a clear vision for the future. To achieve the desired outcome, MWA is looking to hire an experienced consultant, a firm they can trust and work with through planning, approval, and implementation. The firm selected must provide a broad range of services, services that go beyond traditional site planning and landfill layout (grading, drainage, and earthwork) to include cost control considerations and the communication of this vision. We believe MWA can achieve its vision and benefit from hiring HDR because we understand MWA's needs and have the depth of resources and proven experience that are committed to the project. The key benefit of hiring HDR will be a usable plan that is a significant asset to MWA, its staff, and stakeholders.

Though each component of the

Master Plan identified in the RFQ is important, the following essential items will make up a core part of the plan development. They will be critical areas of evaluation and discussion:

- Optimization of each landfill site;
- Optimization of site development – phasing and sequencing;
- Management of stormwater and leachate;
- Management of soil;
- Management of groundwater; and
- Site capping, closure, and end-use options.

HDR's ability to provide innovative solutions is derived from a broad range of experience in similar endeavors and an ability to utilize a holistic understanding of issues (social, economic, operations, solid waste management, waste diversion, program development, design, regulations, and others) to create viable outcomes. As such, some ideas that we believe may be beneficial in addressing the above key components include:

- Enhanced site access and customer experience;
- Phase 1 post-closure management;
- Phase 2 operations plan;
- Rephasing landfill development;
- Combining new cell expansion with closures; and
- Development of a new landfill footprint;
- Establishment of life cycle cost analyses to plan and budget for capital expenditures.

These are further described in the Additional Information section of this statement of qualifications.

In preparing our approach, we have met with MWA management, leaders, and operations personnel, visited both sites, studied existing documents, and utilized our institutional knowledge of both sites (successes and challenges). In addition to our institutional knowledge, we also bring a fresh set of eyes by including staff not familiar with the site to challenge the status guo and create new ideas. From the information we have collected, reviewed, and new perspectives, HDR has preliminarily identified other ideas that we believe can be beneficial to MWA in terms of cost savings, operations, and overall management of the sites.

HDR's project approach is made up of several key components, including the following:

- Project Leadership and Team Management
- Comprehensive and Integrated Approach
- Shared Understanding
 and Vision
- Clear Communication

Project Leadership + Team Management

Our approach is to assign the appropriate staff and verify the necessary training to produce a successful project. We involve experienced HDR leaders to guide the work and productivity of the overall team. The key personnel identified in Project Organization will be responsible for communication with MWA; assist the overall HDR team, track and review budgets; and confirm project deliverables are appropriate, focused, and have been checked for quality before they are sent to you. Beyond the traditional management responsibilities, they will also work with MWA to help identify options, evaluate those options, and work to verify that a final project outcome is an optimized approach that will serve MWA both now and into the future. Being a leader is not something a company can assign; this requires individuals with the necessary tools and passion for their work. HDR believes MWA will find these leadership qualities in Dan Bacehowski. His depth of experience in similar endeavors (coupled with other HDR resources), history of work in Iowa and IDNR, and overall landfill and solid waste experience will allow the team to lead quickly and efficiently execute this planning effort. This leadership experience will also benefit MWA by providing fresh ideas and a local and nationwide depth of experience and perspective.

Our Comprehensive + Integrated Approach

Our approach involves taking the list of tasks and services and using them to create an optimized strategy. This strategy is more than good ideas and technical papers, it results in a longterm resource for MWA, its staff, stakeholders, and the public which it serves. As described more fully in the Detailed Approach below, this means taking a step back, asking the tough questions, understanding the cultural direction of the organization and considering reasonable options to make informed decisions. HDR recognizes that this is not a series of studies but a comprehensive strategic planning process. For the final plan to be a useful tool, it must address various issues and do so in an integrated and implementable manner. For this comprehensive and integrated approach to be successful, it will require a teamwork effort with MWA and the leadership that HDR is committed to providing. We understand MWA's future waste management plans need discussion and evaluation to verify alignment with its vision and provide the appropriate, effective route to meeting stakeholder needs. HDR's proposed team will help MWA closely evaluate feasible options. HDR will begin this process with early sit-down visioning discussions and a thorough review and consolidation of site-specific information. A truly integrated Master Plan can be formulated by establishing this dialog and understanding through continuous communications and teamwork.

Shared Understanding and Vision

Having a vision is vital to genuinely successful plan development. The result is not HDR's Master Plan for MWA; it must be a consensus plan that the staff and stakeholders (and regulators) can agree upon and something efficient and economically implementable - Long Term. At the beginning and throughout the Master Plan development, there must be a consistent understanding of purpose and outcomes. Through regular communication, we will be presenting ideas, asking for ideas, and reviewing and discussing options. The purpose of such communications does not just plan development but to confirm the vision and direction of the plan is in accordance with MWA's vision and needs. Having developed and subsequently helped our clients implement long-term landfill master plans successfully, we have learned many lessons. HDR believes we can work with MWA staff to develop a Master Plan that will address stormwater, soil, optimization of available land and landfill volume. and be used as a management tool for effective cost forecasting and communications.

Communication is Key

Clear, consistent, and responsive communication is vital to the successful execution of work for our clients. HDR believes that effective communication reduces surprises, verifies alignment and provides efficient and productive use of everyone's time and effort. This emphasis on communications has been key to getting to know MWA's needs and integrated waste management history. It is easy to utilize many of the electronic communications technologies available today (and we will); however, we believe that verbal and face-to-face communication is necessary for critical components of this project. Electronic documents may be distributed and discussed - this can be efficient and expedient at times ; however, critical reviews and decisions are often better-made face-to-face. HDR's project manager, Dan Bacehowski, is located in the same building as MWA management and is available at a moment's notice. Dan understands that when a client calls, they need something, and HDR must strive to address those needs promptly. HDR's people will always be accessible and responsive. HDR proposes to have the flow of communication with MWA go through HDR's project manager and assistant project manager. As our project manager, Dan will be apprised of project elements and development in real-time, while Austin Broshar will be supporting him, allowing consistent points of contact for MWA and verifying team cohesiveness with relevant changes throughout the project.

Detailed Approach

The following preliminary approach is provided to explain further how HDR anticipates undertaking the Master Plan process and is provided as the basis for developing the estimated level of effort and range of fees. We are flexible in both our scope and approach and understand that this approach would be refined if selected. HDR has used a similar approach in other successful waste master planning projects. Adjacent is a brief outline of our approach, followed by a detailed scope of work.

Task 100 – Project Management and Meetings

- 101 Project Coordination
- 102 Progress Monitoring and Project Controls
- 103 Meetings and Liaisons
- 104 Project Status Reports
- 105 Document Maintenance
- 106 Assistance with Board Updates
- 107 Quality Audits

Task 200 - Data Collection, Consolidation and Assessment

201 - Background Data Collection and Review

202 – Data Evaluation

Task 300 - Options and Evaluation

301 - Site Optimization

Subtask 301.1 – Cell Phasing/Capping Sequence Soil Management

Subtask 301.2 – Vertical Expansion including Sideslope Modification

302 - Capping Technologies

303 – Screening and Environmental Controls

Subtask 303.1 – Site Aesthetics, Screening, Buffers, Planting, and Visual Enhancements

Subtask 303.2 - Landfill Gas Management

Subtask 303.3 – Leachate Management

Task 400 - Landfill Master Planning

401 – System Defemination Refinement

Subtask 401.1 – Basis of Master Plan

401.2 – Documentation of Adequacy

402 – MWA Development Plan

Subtask 402.1 – Overall Plan

Subtask 402.2 Stormwater Management Plan

Subtask 402.3 Soil Management Plan

Subtask 402.4 Leachate Management Plan

Subtask 402.5 Landfill Gas Management Plan

Subtask 402.6 End-Use Plan

403 – Life Cycle Cost Analysis

404 – Schedule and Implementation Timeline

405 – Summary Plan

Project Scope

TASK 100 Project Management and Meetings

OBJECTIVE

Conduct communications between MWA and the HDR Team; plan, organize and monitor project team activities; attend meetings as requested, and prepare and update project schedules. Provide support and assistance to MWA in communicating the key attributes of the project.

HDR ACTIVITIES

TASK 101 Overall Project Coordination

- Identify key personnel and their roles
- Resource management and allocation based on project schedules and activities
- Production coordination

TASK 102 Engineering Progress Monitoring Project Control

- Prepare and update overall project schedules. The schedule will identify a critical path, critical decisions, timing of critical decisions, and time frame for deliverables and deliverables reviews
- Master List of Project Deliverables
- Coordination of activities affecting the HDR Team's services

TASK 103 Meetings and Liaison

- MWA liaison and electronic communications
- Telephone conversations
- Meetings and conferences with the MWA and others as directed, the general types of meetings anticipated include the following:
 - Meetings and Progress Reviews MWA
 - » Project Initiation Meeting (Planning)
 - » Master Plan Objectives & Goals Reviews
 - » Brainstorming, Data Review, Report Evaluations, and Decision Making
 - Meetings and Reviews with IDNR, if appropriate
 - » Overall Strategy and Regulatory
 - » Issues Resolution
 - » Design Approach and Issues Resolution

TASK 104 Project Status Reports

Prepare monthly project status report

TASK 105 Document Maintenance

Oversee maintenance of document management system

TASK 106 Assistance with Board Updates

· Assistance in preparing educational and informational

materials. HDR will assist in the preparation of materials designed to communicate project information effectively. These materials may include some of the following:

- Display boards that present aerial photographs; preliminary design drawings; renderings; figures; and other aspects of the proposed project; and
- Assistance with graphics and text for video productions.
- Review of Board materials.
- Animation and graphic presentation tools for communications with the Board
- Meetings and Presentations. At the MWA's request, HDR will meet with members of the public, public interest groups, private sector representatives, and elected representatives to present the proposed master plan and related information. HDR will assist in presenting materials developed in other Tasks.

TASK 107 Quality Audits

• Schedule audits of the Projects to confirm compliance with the scope and the project quality assurance plans.

MEETINGS AND TRAVEL

• Travel and meetings for seven (7) months in Des Moines. Monthly meeting with MWA to review project documents.

TASK DELIVERABLES

- Monthly project status reports, master project schedule and schedule updates, a master list of project deliverables, overall project documentation, and attendance and presentations at meetings with meeting minutes.
- Board presentation materials for review and use by MWA.

KEY UNDERSTANDINGS AND ASSUMPTIONS

- HDR's Project Manager will be responsible for coordinating management and production activities. Activities covered by this scope will be completed in approximately seven (7) months from Notice to Proceed.
- An average of one meeting every month with up to 2 HDR project team members (on average) in attendance.
- An allowance will be provided for the preparation, reproduction, and distribution of materials, renderings, and visual graphics developed in this task item or necessary to illustrate or publicize the results of other tasks.

INFORMATION AND SERVICES PROVIDED BY OTHERS

 Information and Services Provided by Others: Meeting schedules are to be established by MWA and HDR. MWA to provide available technical information and response to questions posed by HDR in a timely manner. MWA will provide for meeting location or at HDR office in Des Moines.

TASK 200 DATA COLLECTION, CONSOLIDATION, AND ASSESSMENT

OBJECTIVE

Collect information for consolidation and evaluation of existing education and technical information, studies, and reports, drawings, maps, and others that relate to MWA and its overall mission; information on both MPE and MPW sites (physical conditions and setting, regulatory history, topography, permits and compliance matters; and other plans for future development). The evaluation of the existing information will be utilized in identifying issues and opportunities for site optimization in Task Series 300 and overall Master Plan Development in Task 400.

HDR ACTIVITIES

TASK 201

Background Data Collection & Review

- Collect available historical data regarding geology, physiology, hydrogeology, and groundwater
- Site topography
- Collect available data on regulatory history
- Review existing documents and summarize historical data and current practices

TASK 202

Data Evaluation & Needs Evaluation

- Evaluate/Identify existing management practices including MWA desired changes
- Identify material transport to each landfill from transfer stations, or other facilities in and around the service area
- Discuss potential effects on future waste facility needs and design criteria
- Identify Solid Waste (Facility) Management Needs
 - Preliminary Facility Spatial Needs such as compost and/or liquids management
 - Infrastructure Requirements
 - Opportunities and challenges during the development of MPE and MPW
- Prepare a summary assessment of other waste management practices and alternatives that could be developed, expanded, or incorporated at the site, including educational opportunities. These might include waste diversion and alternate disposal/management practices. The goal of this assessment would be to define future needs and identify space allocations for consideration in the master plan development



- Prepare Needs Assessment Technical Memorandum
 - Summarize information from this task into a Draft summary report with an executive summary
 - Assist MWA with questions resulting from their review of findings
 - Submit Final Summary Report

MEETINGS AND TRAVEL

• HDR anticipates this effort would begin at the project initiation meeting and with an HDR and MWA compiled list of the required information.

TASK DELIVERABLES

- Summary of historical information and issues, and shortand long-term needs to be accomplished in the Master Plan
- Draft and Final needs assessment Technical Memorandum

KEY UNDERSTANDINGS AND ASSUMPTIONS

- The assessment portion of a Master Plan establishes the foundation for planning efforts. The estimates of long-term trends (planning baseline) will be used to define the need for facilities and the timing of actions such as new cell development
- This component has been established as the first step in the planning process to allow MWA and HDR to have a firm foundation for evaluating, planning, and defining the system requirements. Additionally, this assessment will serve as the foundation for other tasks and schedules of events/ actions that make up the landfill and Master Plan. HDR will not proceed with overall Master Plan tasks until MWA has agreed with the planning baseline established in this task
- Conflicts that currently exist in the area, such as site topography, can be resolved without additional surveying efforts
- Field investigations are not included in this effort. If MWA elects to begin subsurface investigative efforts for Phase 2 of MPW, an additional scope and fee can be provided

INFORMATION AND SERVICES PROVIDED BY OTHERS

 Historic and relevant information, not accessible by HDR, will be provided by MWA or others to the extent available

TASK 300 Options and Evaluations

OBJECTIVE

Evaluate and resolve site optimization alternatives, including technologies or techniques to be utilized in liners and capping, groundwater and leachate controls, and waste management activities for incorporation into the Master Plan (and subsequent design activities).

HDR ACTIVITIES

TASK 301 Site Optimization

SUBTASK301.1:

Prepare a technical evaluation of Cell Phasing alternatives based on site-specific considerations and technologies appropriate to MPE and MPW sites. Evaluations may include inward gradient design, the gravity control of stormwater and groundwater, and a site soil balance.

- Evaluate permitted bottom liner base grades for constructability, slope stability, and operational impacts and relation to known and predicted groundwater locations.
- Identify viable alternatives such as raising or lowering the bottom liner base grades to accommodate gravity control of groundwater and stormwater (disposal capacity to be addressed in Subtask 301.2) and better balance overall site soil.
- Evaluate inward gradient landfill design as an option to minimize groundwater pumping and control. This analysis will have to extend to existing/previously constructed liner areas.
- Identify alternate sequences of cell construction based on base grades selected to accommodate site operations such as composting and/or liquids management area, planned tonnages, access, stormwater control, and constructability.
- Prepare a technical evaluation of the appropriate site development and closure sequence alternatives (e.g., liner construction, filling progression, groundwater control, monitoring well sequencing, stormwater control, capping, landfill gas collection) based on site-specific considerations and technologies.

 Based on landfill site development and capping sequence, develop a soil management plan. Where appropriate, a preliminary plan of soil excavation and storage sequencing activities will be developed; this will be prepared to avoid conflicts with future landfill development. Soil storage options will be identified with the goal of stockpiling material to avoid conflict with landfill operations, planned site expansion, or causing drainage and surface runoff problems. An additional goal will be to minimize the need for double handling of materials.

SUBTASK301.2

Prepare a technical evaluation of Vertical Expansion, including Side Slope Modification alternatives (e.g., optimization of height and side slope limits) based on site-specific considerations and technologies appropriate to both MPE and MPW sites.

- Evaluate stability of increased side slopes to either gain additional disposal capacity and/or offset the lost capacity if the bottom liner base grades (evaluated in Subtask 301.1) are raised.
- Identify benefits and costs of various alternatives and issues to be addressed in implementing steeper side slopes (e.g., maintenance, more frequent terraces/prevent soil loss).
- Develop configurations to optimize available space, including possible options if regulatory or other considerations limit the maximum filling elevation. To the extent possible in order in an effort to reduce costs, HDR will utilize prior studies previously prepared for MWA at MPE associated with revised final grades to increase capacity.
- Prepare preliminary drawings depicting the bottom liner and capping system elevations.
- Prepare a consolidated (1 page) summary of resulting site volumes, site life estimate updates, and soil balance by phase.
- Review and discuss options with MWA and determine a preferred path. The results of that review and discussion will be recommendations on the possible reconfiguration of the site.

TASK 302

Capping Technologies

• Evaluate the possible use of an alternate capping system by determining the preliminary thickness of an evapotranspiration cap, the feasibility of soil balance, and conduct a cursory discussion with IDNR (detailed calculations are not anticipated as part of the planning process). Exposed geomembrane cap with solar may also be evaluated through this process.

TASK 303

Screening and Environmental Controls

SUBTASK303.1

Prepare a technical evaluation of the appropriateness of various Site Aesthetics, Screening, Buffers, Planting, and Visual Enhancements alternatives::.

- Identify visual screening issues and options, including landscaping, earth-berm type screening, and visual enhancements to prevent viewing of landfill operations and reduce the perceived intensity of the completed facility.
- Re-evaluate the existing end-use plan and develop updated whole Site aesthetics.
- Identify site aesthetic, visual enhancements, and plantings options appropriate to ongoing operations, sequential site development, and end-use, including solar caps or recreational facility.
- Prepare cross-section and line of sight drawings to illustrate the effectiveness of screening options. If requested, develop 3-D renderings for use in Board presentations.

SUBTASK 303.2

Prepare a technical evaluation of the appropriateness of various LFG Management alternatives.

- Re-evaluate or estimate LFG quantity for both MPE and MPW, based on the site sequencing.
- Define needs and desires for MWA LFG management.
- Meet jointly with MWA and Waste Management having rights to the existing LFG at MPE, to help better define options for future LFG management needs and system configuration requirements.
- Identify potential locations of future LFG management system components (internal and external to the landfill).

SUBTASK303.3

Prepare a technical evaluation of appropriate Leachate Management options. In this task, the HDR Team will address future collection and handling needs of the active sites and the future construction areas.

- Leachate estimated from closure sequencing will be used as inputs to the USEPA HELP model to estimate leachate generation rates over the site life.
- Utilize estimated leachate quantities to estimate future storage capacity requirements and to aid in evaluating disposal/utilization options. Evaluate leachate lagoons (possibly covered) versus storage tanks based on spatial requirements/constraints, operation (e.g., aeration), maintenance, and longevity. It is assumed that MWA will continue to operate a leachate recirculation program and/ or disposal of the local WWTPs.
- Evaluate leachate impacts on WWTP receipt and review onsite treatment feasibility.
- Evaluate location(s) for on-site storage.

MEETINGS AND TRAVEL

• Included in Task Series 100.

TASK DELIVERABLES

- Technical Evaluations (Drawings and where appropriate technical summaries) such as:
 - Cell Phasing
 - Vertical Expansion and Side Slope Modification
 - Closure Sequencing
 - Alternate Capping
 - Site Aesthetics, Screening, Buffers, Planting, and Visual Enhancements
 - Landfill Gas Management Plan
 - Leachate Management Plan
 - Soil Management Plan

KEY UNDERSTANDINGS AND ASSUMPTIONS

- Decisions resulting from technical evaluations included in this task series will be the foundation for developing the final Master Plan documents.
- MWA will assist in defining the viability of options, including such items as changes to top of landfill elevations, horizontal or vertical filling limits extending beyond the current permit limits.
- HDR assumes that the information provided by IDNR and MWA to the HDR Team is reliable and accurate.

INFORMATION AND SERVICES PROVIDED BY OTHERS

 IDNR input may be necessary on various alternatives, e.g., inward gradient, increase side slopes, leachate management, gas management, etc. It is assumed that IDNR will provide adequate and timely guidance to allow for decision-making and development of the concepts.


TASK 400 Landfill Master Plan

OBJECTIVE

To utilize information compiled in prior tasks and work with MWA to compile a Landfill Master Plan for both MPE and MPW. To create a Landfill Master Plan that is a guidance, management, and permitting tool and contains appropriate information on design adequacy, cell configuration, expansion plans for various systems and approaches to construction and operation. This plan will reflect the short, mid, and long-term needs of MWA relative to both facilities' construction and ultimate end-use.

HDR ACTIVITIES

TASK 401

System Definition Refinement

SUBTASK 401.1

Basis of Master Plan

- Provide an overall summary of the selected options, strategies, and plans reflecting prior decisions from Task 300 related to site optimization, vertical expansion, side slope modification, cell phasing, capping configurations, LFG management, and leachate management soil management, and site aesthetics. This will serve as the basis of the key components included in the final master plan.
- Based on the configuration of facilities identified in Task 300, determine the need for additional or relocated administrative, management, or ancillary operations facilities.

SUBTASK 401.2

Documentation of Adequacy

• HDR will prepare (as necessary) drawings, details and cross-sections, and documentation of design adequacy (calculations) for the ultimate development of MPE and MPW (existing and expansion areas) in accordance with [567] IAC 113. This will include top of liner and final capping system contour maps, liner and capping details, design adequacy calculations for capping, liner, and leachate collection system including Subtitle D criteria related to slope stability, hydraulic head, seismic analysis, settlement, etc. and details of critical structures. Stormwater run-on and runoff control structures will be designed in accordance with [567] IAC 113 and good engineering practices, including terraces, berms, and letdown structures and sediment ponds. The level of effort associated with long-term structures will be agreed upon internal maintenance with MWA before execution.

TASK 402 MWA Development Plan

SUBTASK 402.1

Overall Plan

- The development drawings will be prepared showing both existing and proposed topography with contours at appropriate intervals for both MPE and MPW areas, including intermediate phases of construction. Drawings will illustrate drainage patterns, surface structures, and drainage terraces with associated let-down structures, silt control structures, and holding basins. The general configuration or arrangement for cells/areas will be illustrated, and typical plan views will be developed for each cell/area or group of areas. The cell development plan will illustrate the sequential development of cells/ areas with respect to time.
- Proposed borrow areas will be identified and illustrated on the development drawings, and a soil balance will be provided for both MPE and MPW sites.
- The internal roadway system configuration will show haul roads for each cell/area or groups of areas and access to onsite facilities, including the scale, office facility, and maintenance facilities. The configuration of these roadways will consider both the type of vehicular traffic and traffic flow patterns into, around, and out of the site.
- A closure sequence will be developed to show the relationship between expansions, common fill areas, and the sequence of closure based on soil balance and timing of fill operations. Closure sequencing will review potential options for lessening financial assurance needs over the life of each facility.

SUBTASK 402.2

Stormwater Management Plans

 Drawings will be used to define overall drainage and stormwater management strategy, onsite features including ponds and pumping (if required), and coordinate with other site features. It is anticipated that pumping will be required for the MPW expansion.

SUBTASK 402.3

Soil Management Plans

 HDR will summarize soil excavation and storage sequencing based on options from Task 300. The soil balance and an overall schedule of development will reflect both the quantity and timing of soil excavation and targets for placement if there is excess soil that must be stored.

SUBTASK 402.4

Leachate Management Plans

- Based on evaluations and data compiled in Task 300, HDR will summarize leachate generation and management/ storage requirements and identify the location(s) for leachate management features. If onsite leachate treatment options are reviewed, siting of these facilities will be completed.
- The plan will include scheduling of required leachate management features for financial planning and space allocation.

SUBTASK 402.5

Landfill Gas Management Plans

- Based on evaluations conducted in Task 300, HDR will summarize landfill gas agreement(s) requirements and identify the location(s) for landfill gas features.
- The plan will include scheduling of required landfill gas features for space allocation.
- For MPE, a review of contractual implications will be reviewed.

SUBTASK 402.6

End-Use Plan

- Develop additional conceptual plans for use in communicating the long-term development of the site.
- Identify opportunities and timeframes to implement enduse features such as solar capping, recreational use, and educational opportunities.
- The end-use plan may be a sequential plan that will evolve as the landfill progresses. However, the plan will remain flexible due to the changing nature of the solid waste industry and public demand over the remaining life of the site.



TASK 403

Life Cycle Cost Analysis

- Prepare cost analysis for selected scenarios including new cell construction, phased closures, leachate system modifications, stormwater improvement, among others. This cost analysis will be reviewed for the life of the master plan to assist with timing and budgeting of capital expenses.
- Estimates will be derived from historic costs at MPE and MPW for similar projects. If a unique project is analyzed, HDR will utilize a cost estimating tool such as RS Means.

TASK 404

Schedule and implementation Timeline

 Prepare time frames schedule of actions for long-term implementation of the various cells/areas and ancillary actions necessary for the full development of both MPE and MPW sites. This schedule would identify approximate time frames for new cell, area development, installation of environmental controls, capping system, landfill gas, leachate management, infrastructure, and roadway modifications. This may also include preliminary timelines for end-use features.

TASK 405

Summary Plan

- Prepare a Draft and Final Plan with an Executive Summary. The Plan will incorporate items described in this and other tasks and include the final integration and refinement of approaches to developing MWA's landfills. The Plan will include:
 - Compilation of recommendations
 - Implementation strategy/key actions
 - Schedule
 - Drawings and figures illustrating construction and phasing/sequencing Appendices, which include:
 - » Reference Reports on Studies and Planning (Summary of Evaluations)
 - » Calculations of Major Components
 - » Cross-Sections
 - » Construction Details, as necessary (e.g., Drainage, Liner Terminations, and Transitions, Leachate Extraction, Roads, Terraces, Lift Configurations, Landfill Gas Collection, etc.)

MEETINGS AND TRAVEL

• Included in Task 100

TASK DELIVERABLES

- Draft and Final Landfill Master Plan including the following:
 - Stormwater management plan
 - Site plan and facilities plans
 - Documentation of design adequacy
 - MPE and MPW Development Plans
 - » Sequence of closure
 - » Stormwater management
 - » Soil management plan
 - » Leachate management plan
 - » End-use plan
 - Schedule and Implementation Timeline

KEY UNDERSTANDINGS AND ASSUMPTIONS

- Efforts in this task will focus on refining, compiling, and summarizing information prepared in Tasks 200 through 300.
- Site plans will show a composite liner, capping system, leachate collection, and other components meeting the requirements of IAC 567 Chapter 113 unless it is otherwise agreed that alternative approaches are pursued.
- Education and public services are included in Task 100 and will be handled as project management. A limited amount of time/effort has been estimated for this proposal.
- Task 400 is intended to compile decisions made in Tasks 200 and 300 prepared in a presentable format. Additional options, alternatives, and strategies are not included.
- Drawings are considered to be prepared at a conceptual level and are not for construction.
- Detailed financial pro formas are not included in this scope of work.

INFORMATION AND SERVICES PROVIDED BY OTHERS

- MWA will provide historical data on soil utilization, including soil quantity use associated with alternate daily covers. This data will be used to refine overall soil needs and soil balances.
- MWA will provide input on format and level of detail to incorporate into the final Plan.
- MWA will provide input on the schedule and timeline for the implementation of long-term development.



Additional Information

If selected, HDR assumes it will work in close partnership with MWA to develop a Master Plan that is efficient (operationally and from a cost perspective), clear and practical, culturally aligned, containing strategies that are approvable by IDNR, and reflects an optimization of the life of each site. In doing so, we have reviewed existing site information and conditions related to the remaining development of both landfills. Based on this approach we have identified the following potential site components that may be considered through the Master Plan development process:

Metro Park East Landfill

Enhanced Site Access and Customer Experience

In our experience with MWA, we recognize your commitment to both customer experience coupled with safety and education. Access to the MWA facility provides an opportunity to merge all of these by implementing a review of enhancements to the current access routes and amenities. Evaluate the current and planned customers utilizing the facility and identify modifications to help overall site operations. Some enhancements include:

Segregating MWA transfer trailers from other users to streamline their entry and exit of the site. Separate automated scale access will lessen their time in the queue to verify quick and efficient disposal of these tractor-trailers.

Customer convenience center to segregate small vehicles from the larger vehicles and trailers. A convenience center or revised access to the current arrangement can help improve safety and provide excellent opportunities for the education of users. The common use of these facilities is for customers with bulky items to dispose of them without having to access the busy working face of the disposal operations.





Phase 1 Post-Closure Management

The focus will be to assess ongoing leachate management strategies and final cover integrity. Current operations have indicated that some leachate volume issues are becoming operationally challenging to manage, including aging and deteriorating infrastructure. Potential enhancements that can be helpful for closed landfill management include pump optimization and data collection. These efforts will allow staff to baseline the operation of the leachate system and realize when disruptions to the system are occurring. Staff will be able to review changes in leachate flow data to identify areas of the compromised final cover.

Complete a review of the stormwater system throughout the closed landfill. Closed landfills settle. This settlement impacts overall site drainage, which can contribute to the volatility of leachate generation. Portions of the Phase 1 landfill have a composite cap system that consists of a geomembrane, and other portions have only a soil cap. These variations of capping systems have direct impacts on the estimated leachate generation of the life of the post-closure care period.

Leachate generation and stormwater conveyance will factor into potential final closure enhancements. Capital cost planning associated with the management of these systems will assist MWA in planning for expenditures related to the closed landfill. In addition to the active review and potential operational management enhancements, we will work with MWA to determine the possible end use of the facility. It is our understanding that a solar cap is of interest to MWA. Closed landfills are great candidates for a solar cap as most of the land is elevated to maximize the solar panel exposure. We are well-versed in this technology and recommend a feasibility study to validate this technology before investing in the power generation system. We also have experience in the development of other end uses for closed landfill facilities. One example of this could be turning your site into a recreational facility. This approach can provide an excellent opportunity for public education on waste management, specifically targeting landfill operations and environmental factors.



Phase 2 Current Operations Plan

Operations for the Phase 2 landfill begin in Cell A, located on the far western side of the current disposal operations. As the landfill continued to fill, planned locations of Cells B through D moved east. The current expansion in this row of the disposal footprint concludes at Cells E and F. Current projections indicate that MWA will plan to construct Cell E in 2022, followed by Cell F when necessary. This arrangement will conclude the planned development in this pattern. While we have historically supported MWA throughout this development by assisting with traffic patterns, traffic queuing, and wet weather operations, we can take another look with a fresh set of eyes to determine alternative options. As part of that assistance, identifying and obtaining soil borrow for waste covering out in front of this sequencing helps MWA manage capital expenditures of "digging" the next cell. This sort of planning is essential to optimize operations and the subsequent capital cost of new disposal cells.

Development of the final Cell F in the northern row will be set up transition toward the southern development of Phase 2. Key development priorities will be to adjust cell sequencing and configuration to keep composting operations in the current location, as the compost and yard waste program at MWA has continued to expand and investments have been made for utilities and expansion of the compost operation.

Rephasing the landfill Development

Once Cell F is constructed within Phase 2, the current phasing of development will be to construct G and H, centrally located within the Phase 2 footprint and in conflict with both the current liquids management and composting areas. Cell progression is then currently planned for Cell L, K, I, and J south of Cells G and H. Cells L and K planned footprints also conflict with the current composting operation. We understand that the liquids management area may be abandoned, but the composting operations are projected to continue. We recommend that phasing and configuration of the remaining Phase 2 landfill be reassessed to establish continued landfill development with minimal impact to the current infrastructure associated with composting. Our approach will be to relocate the low point, or leachate sump, to maximize the life of the compost facility at its current location. In response to this RFQ, we reviewed two potential options for how MWA could rephase landfill development to prolong the composting program.

The first option would be to flip the grades by moving the low point to the east. This option will provide MWA with 20+ years of continued composting operations in the current location. We propose continuing this plan to verify that groundwater separation and other environmental impacts would be thoroughly planned to minimize disruption to the disposal operations. Another advantage to this scenario would be the continuation of sequential traffic flows to the disposal site.

The second option of rephasing would be to move the low point or sump to be centrally located on the southern edge of the disposal footprint. This option could give flexibility in the east/west development of disposal cells and impact the typical traffic patterns increasing early capital costs of cell construction. This up-front cost will result in lower capital costs later in the life of the landfill as the "piggyback" of the A through E cells are realized .

Upon completing this forward thought through the plan, it may be determined to relocate the compost operations and continue with the planned phase development. Each scenario comes with both positives and negatives that will be evaluated with MWA. We also understand that rephasing is essential to have operational buy-in, and we'll work with MWA to determine the best plan for rephasing your site.

New Cell Expansion Coupled with Closure

As part of landfill development, sites are required to maintain both Closure and Post-Closure financials. Review of site phasing is an opportune time to complete sequential cell development coupled with landfill closure and helps manage the amount of funds set aside for financial assurance. In general, post-closure care funding is less than that needed to close. Furthermore, lowa requires landfill owners to set capital aside for management of the "open" area. Cell development coupled with closure can lessen the financial strain for these required accounts. We would perform a review of landfill expansion and assist operations in completing final grade filling. Financial assurance is optimally executed to result in a more manageable Closure/Post-Closure (Financial Assurance) fund.

Metro Park West Landfill

We anticipate that MWA operations at the Metro Park West landfill will continue as planned to complete filling Cell C followed by construction of Cell D. These cells are part of the Boone County, Phase 1 landfill approved by IDNR for landfill disposal. We've completed a review of the disposal life and estimated Phase 1 to be completely full by 2035, considering a disposal rate beginning at 49,000 tons per year and increasing by 1.5% each year. Current weighing systems and site access will remain in place during the fill of Cell D, but the location also provides an opportunity to develop new site access.

Current life projections of Cell D to Phase 2 Cell A are approximately 8-9 years, offering MWA the opportunity to begin relocating the entrance facilities to align access through the newly acquired property. Improvements to the entrance could also include:

- A new scale house and new scale system.
- Accessible tornado shelter located in or near the proposed scale house structure.
- Relocated and improved citizen drop off center, including educational and waste diversion opportunities.
- Z-Wall drop-off area to improve safety, customer ease of disposal, separation of customers and operations traffic, and segregation of recyclable materials.
- Implementation of an improved composting program.

Finally, as part of short-term planning, we will also perform a site review of leachate management and stormwater plans to identify various enhancements and changes to help manage your site more efficiently. The current facilities must be appropriately planned for future planned development. Should we identify gaps or necessary improvements during our review, capital expenditures can be budgeted and planned. We'll look to automate and capture data on your systems to optimize landfill performance and implement operations and maintenance schedules. Downtime on an aging system can be minimized and operational efficiencies realized in cost savings. We encourage excavation to proceed with expansion in mind during the final years of operation within the permitted cells. Much like the MPE site, excavation will be completed to lessen the earthwork needed to complete the future cell expansion.

We recommend that MWA move to complete an environmental and ecological review of the entire Phase 2 expansion area. Current conditional approvals cover a portion of the area but not the entire future disposal area. We would plan to maximize the future permitted disposal footprint while maintaining the necessary infrastructure for leachate management and stormwater.

Upon completion of an ecological review, it is recommended that MWA perform a hydrogeologic review of the entire Phase 2 area per IDNR requirements. This investigation is required to define the subsurface geologic conditions and determine how groundwater moves through the materials. Completing this work will more clearly define how deep the landfill can be developed and where best to locate monitoring points. It will also provide for more accurate planning numbers with greater precision of available, untapped airspace.

In support of the hydrogeologic investigation, we would develop a site investigation work plan identifying an adequate number of soil borings and piezometers for water level measurements. This work plan should be submitted to IDNR for review, confirmation, and approval. It is intended to obtain early buy-in from the regulators to amend the existing permit documents that provide MWA adequate waste disposal area for the future. Current projections of tons per year and average density suggest that this expansion will provide MPW capacity through 2050 and beyond.

Authority Messaging and Long-Term Vision on the Agency

Through our involvement with MWA, we recognize your commitment to your Environmental Management System or EMS. EMS is a crucial program to assist solid waste management agencies by encouraging continuous improvement of waste diversion efforts. Through programs such as EMS, waste reduction targets can enhance your landfill disposal life.

For the long-term portion of this master planning effort, we propose to perform an evaluation of the emerging solid waste trends to lessen reliance on landfilling. The EMS program focus is on six component areas as follows:

- Organics waste management
- Household hazardous materials collection
- Water quality improvement
- Greenhouse gas reduction
- Recycling services
- Environmental education

We see an increased industry desire to move toward sustainability, decarbonization, and zero waste initiatives that align with the EMS objectives. While landfills currently serve the Midwest as a viable low-cost disposal option, we're helping clients like MWA look into the future of sustainable waste practices. The vision of the solid waste industry is to move away from landfilling to a more circular economy with the finish line being Zero Waste.

Emerging Technologies

These objectives often start in a feasibility study phase to dig into the details of how best to support your solid waste program. Our experience includes a review of various management techniques, including:

- Thermal (gasification, plasma arc, and pyrolysis).
- Biological (aerobic composting and anaerobic digestion).
- Chemical (hydrolysis, catalytic and thermal depolymerization, and waste-to-fuel technologies).
- Mechanical (autoclave classification, mixed waste processing, and refuse-derived fuel processing).

The technology development process can provide improved waste management instead of simply landfilling what cannot be recycled. The process may be completed in multiple ways by more than one development team, using varying technologies at various stages of development. Broadly, technology goes through three developmental stages: laboratory or emerging, pilot or demonstration, and commercial. Passing from one developmental stage in the process to the next is often hard to define as development may be on a continuum or have various sub-steps along the way.

Decarbonization

The carbon emissions from solid waste operations can be deceiving: while direct emissions generally represent a small percentage of a community's Greenhouse Gas Inventory, indirect or consumption-based emissions, including the embodied carbon within discarded materials, is the single largest source. Here are a few ways we can help:

- Methane emissions from landfills or anaerobic digestors represent a proven and actionable opportunity to capture and utilize a significant energy resource. We can assist MWA by improving the effectiveness of collection systems and evaluating reuse alternatives such as electricity generation and complete use of medium-Btu or renewable natural gas (RNG). Current operations at MPE utilize Waste Management to minimize the gas, but there may be advantages to further investigating these opportunities in-house.
- Organic materials, such as food scraps, yard waste, and lumber, are vital contributors to methane generation in landfills. We can help evaluate the best economical and least carbon-intensive organics management alternatives and make them a reality



Project Schedule

We understand the importance of meeting your schedule. The capacity to accomplish work in a strict timeframe requires strong and experienced leaders backed by skilled team members. Our personnel are dedicated to providing sufficient time and effort to produce a quality product. With this in mind, our team members were carefully selected not only for their expertise, but also for their availability to work on the project for its duration. We follow well-established and time proven procedures to manage our project work and have assembled a strong team that is available to begin work immediately upon Notice-to-Proceed. You can rely on us to successfully deliver this project.



		Nov	21	1		Deo	c '21				Jan '22
17	24	31	7	14	21	28	5	12	19	26	2
							-				

Project Fee

The following range of cost is provided to explain further how HDR anticipates undertaking the Master Plan process. We are flexible in both our scope and approach and understand that this fee range would be further refined if selected. Below is a brief outline of our tasks, followed by anticipated range of costs.

ТАЅК	FEE RANGE
Task 100 - Project Management and Meetings	\$38,430 - \$50,440
Task 200 - Data Collection, Consolidation and Assessment	\$20,350 - \$26,710
Task 300 - Options and Evaluation	\$93,040 - \$122,110
Task 400 - Landfill Master Planning	\$93,405 - \$122,595
Total Fee Range	\$245,225 - 321,855

FC

300 E. Locust Street, Suite 210 Des Moines, IA 50309 515.449.4691

hdrinc.com

We practice increased use of sustainable materials and reduction of material use.

© 2021 HDR, Inc., all rights reserved.

FJS

EXHIBIT A TASK ORDER

This Task Order represents an Agreement by and between the Metro Waste Authority (MWA), ("OWNER"), and HDR Engineering, Inc. (HDR), ("ENGINEER") in accordance with the Terms and Conditions for Professional Services, dated February 28, 2018. Engineer shall perform services on the project described below as provided herein. This Task Order shall not be binding until it has been properly signed by both parties.

PROJECT NAME: 2021 Master Planning for MPE and MPW Landfills - GL Code: Assorted

PART 1.0 PROJECT DESCRIPTION:

The intent of this scope is to provide MWA with master planning services requested by MWA for the Metro Park East (MPE) and Metro Park West (MPW) landfills.

PART 2.0 SCOPE OF SERVICES TO BE PERFORMED BY ENGINEER:

Task 100 Series – Project Management and Meetings

Objective:

Conduct communications between MWA and the HDR Team; plan, organize and monitor project team activities; attend meetings as requested, and prepare and update project schedules. Provide support and assistance to MWA in communicating the key attributes of the project.

HDR Activities:

TASK 101 Overall Project Coordination

- Identify key personnel and their roles
- Resource management and allocation based on project schedules and activities
- Production coordination

TASK 102 Engineering Progress Monitoring Project Control

- Prepare and update overall project schedules. The schedule will identify a critical path, critical decisions, timing of critical decisions, and time frame for deliverables and deliverables reviews
- Master List of Project Deliverables
- Coordination of activities affecting the HDR Team's services

TASK 103 Meetings and Liaison

- MWA liaison and electronic communications
- Telephone conversations
- Meetings and conferences with the MWA and others as directed, the general types of meetings anticipated include the following:
 - Meetings and Progress Reviews MWA
 - Project Initiation Meeting (Planning)

hdrinc.com

FJS

- Master Plan Objectives & Goals Reviews
- Brainstorming, Data Review, Report Evaluations, and Decision Making
- Meetings and Reviews with IDNR, if appropriate
 - Overall Strategy and Regulatory
 - Issues Resolution
 - Design Approach and Issues Resolution

TASK 104 Project Status Reports

Prepare monthly project status report

TASK 105 Document Maintenance

Oversee maintenance of document management system

TASK 106 Assistance with Board Updates

- Assistance in preparing educational and informational materials. HDR will assist in the preparation of materials designed to communicate project information effectively. These materials may include some of the following:
 - Display boards that present aerial photographs; preliminary design drawings; renderings; figures; and other aspects of the proposed project; and
 - Assistance with graphics and text for video productions.
 - o Review of Board materials.
 - Animation and graphic presentation tools for communications with the Board
 - Meetings and Presentations. At the MWA's request, HDR will meet with members of the public, public interest groups, private sector representatives, and elected representatives to present the proposed master plan and related information. HDR will assist in presenting materials developed in other Tasks.

TASK 107 Quality Audits

• Schedule audits of the Projects to confirm compliance with the scope and the project quality assurance plans.

MEETINGS AND TRAVEL

• Travel and meetings for seven (7) months in Des Moines. Monthly meeting with MWA to review project documents.

TASK DELIVERABLES

- Monthly project status reports, master project schedule and schedule updates, a master list
 of project deliverables, overall project documentation, and attendance and presentations at
 meetings with meeting minutes.
- Board presentation materials for review and use by MWA.

KEY UNDERSTANDINGS AND ASSUMPTIONS

• HDR's Project Manager will be responsible for coordinating management and production activities. Activities covered by this scope will be completed in approximately seven (7) months from Notice to Proceed.

hdrinc.com 300 E Locust Street, Suite 210Des Moines, IA 50309-1823 (515) 280-4940



- An average of one meeting every month with up to 2 HDR project team members (on average) in attendance.
- An allowance will be provided for the preparation, reproduction, and distribution of materials, renderings, and visual graphics developed in this task item or necessary to illustrate or publicize the results of other tasks.

INFORMATION AND SERVICES PROVIDED BY OTHERS

 Information and Services Provided by Others: Meeting schedules are to be established by MWA and HDR. MWA to provide available technical information and response to questions posed by HDR in a timely manner. MWA will provide for meeting location or at HDR office in Des Moines.

Task 200 Series – Data Collection, Consolidation, and Assessment

Objective:

Collect information for consolidation and evaluation of existing education and technical information, studies, and reports, drawings, maps, and others that relate to MWA and its overall mission; information on both MPE and MPW sites (physical conditions and setting, regulatory history, topography, permits and compliance matters; and other plans for future development). The evaluation of the existing information will be utilized in identifying issues and opportunities for site optimization in Task Series 300 and overall Master Plan Development in Task 400.

HDR Activities:

TASK 201 Background Data Collection & Review

- Collect available historical data regarding geology, physiology, hydrogeology, and groundwater
- Site topography
- Collect available data on regulatory history
- Review existing documents and summarize historical data and current practices

TASK 202 Data Evaluation & Needs Evaluation

- Evaluate/Identify existing management practices including MWA desired changes
- Identify material transport to each landfill from transfer stations, or other facilities in and around the service area
- Discuss potential effects on future waste facility needs and design criteria
- Identify Solid Waste (Facility) Management Needs
 - o Preliminary Facility Spatial Needs such as compost and/or liquids management
 - o Infrastructure Requirements
 - o Opportunities and challenges during the development of MPE and MPW
- Prepare a summary assessment of other waste management practices and alternatives that could be developed, expanded, or incorporated at the site, including educational opportunities. These might include waste diversion and alternate disposal/management

hdrinc.com

FJS

practices. The goal of this assessment would be to define future needs and identify space allocations for consideration in the master plan development

- Prepare Needs Assessment Technical Memorandum
 - Summarize information from this task into a Draft summary report with an executive summary
 - Assist MWA with questions resulting from their review of findings
 - o Submit Final Summary Report

MEETINGS AND TRAVEL

• HDR anticipates this effort would begin at the project initiation meeting and with an HDR and MWA compiled list of the required information.

TASK DELIVERABLES

- Summary of historical information and issues, and short- and long-term needs to be accomplished in the Master Plan
- Draft and Final needs assessment Technical Memorandum

KEY UNDERSTANDINGS AND ASSUMPTIONS

- The assessment portion of a Master Plan establishes the foundation for planning efforts. The estimates of long- term trends (planning baseline) will be used to define the need for facilities and the timing of actions such as new cell development
- This component has been established as the first step in the planning process to allow MWA and HDR to have a firm foundation for evaluating, planning, and defining the system requirements. Additionally, this assessment will serve as the foundation for other tasks and schedules of events/ actions that make up the landfill and Master Plan. HDR will not proceed with overall Master Plan tasks until MWA has agreed with the planning baseline established in this task
- Conflicts that currently exist in the area, such as site topography, can be resolved without additional surveying efforts
- Field investigations are not included in this effort. If MWA elects to begin subsurface investigative efforts for Phase 2 of MPW, an additional scope and fee can be provided

INFORMATION AND SERVICES PROVIDED BY OTHERS

 Historic and relevant information, not accessible by HDR, will be provided by MWA or others to the extent available

Task 300 Series – Options and Evaluations

Objective:

Evaluate and resolve site optimization alternatives, including technologies or techniques to be utilized in liners and capping, groundwater and leachate controls, and waste management activities for incorporation into the Master Plan (and subsequent design activities).

HDR Activities:

hdrinc.com

300 E Locust Street, Suite 210Des Moines, IA 50309-1823 (515) 280-4940

4

TASK 301 Site Optimization

SUBTASK 301.1 CELL PHASING/CAPPING SEQUENCE SOIL MANAGEMENT:

- Prepare a technical evaluation of Cell Phasing alternatives based on site-specific considerations and technologies appropriate to MPE and MPW sites. Evaluations may include inward gradient design, the gravity control of stormwater and groundwater, and a site soil balance.
 - Evaluate permitted bottom liner base grades for constructability, slope stability, and operational impacts and relation to known and predicted groundwater locations.
 - Identify viable alternatives such as raising or lowering the bottom liner base grades to accommodate gravity control of groundwater and stormwater (disposal capacity to be addressed in Subtask 301.2) and better balance overall site soil.
 - Evaluate inward gradient landfill design as an option to minimize groundwater pumping and control. This analysis will have to extend to existing/previously constructed liner areas.
 - Identify alternate sequences of cell construction based on base grades selected to accommodate site operations such as composting and/or liquids management area, planned tonnages, access, stormwater control, and constructability.
 - Prepare a technical evaluation of the appropriate site development and closure sequence alternatives (e.g., liner construction, filling progression, groundwater control, monitoring well sequencing, stormwater control, capping, landfill gas collection) based on site-specific considerations and technologies.
 - Based on landfill site development and capping sequence, develop a soil management plan. Where appropriate, a preliminary plan of soil excavation and storage sequencing activities will be developed; this will be prepared to avoid conflicts with future landfill development. Soil storage options will be identified with the goal of stockpiling material to avoid conflict with landfill operations, planned site expansion, or causing drainage and surface runoff problems. An additional goal will be to minimize the need for double handling of materials.

SUBTASK 301.2 VERTICAL EXPANSION INCLUDING SIDESLOPE MODIFICATIONS:

- Prepare a technical evaluation of Vertical Expansion, including Side Slope Modification alternatives (e.g., optimization of height and side slope limits) based on site-specific considerations and technologies appropriate to both MPE and MPW sites.
 - Evaluate stability of increased side slopes to either gain additional disposal capacity and/or offset the lost capacity if the bottom liner base grades (evaluated in Subtask 301.1) are raised.
 - Identify benefits and costs of various alternatives and issues to be addressed in implementing steeper side slopes (e.g., maintenance, more frequent terraces/prevent soil loss).
 - Develop configurations to optimize available space, including possible options if regulatory or other considerations limit the maximum filling elevation. To the extent possible in order in an effort to reduce costs, HDR will utilize prior studies previously prepared for MWA at MPE associated with revised final grades to increase capacity.

hdrinc.com



- Prepare preliminary drawings depicting the bottom liner and capping system elevations.
- Prepare a consolidated (1 page) summary of resulting site volumes, site life estimate updates, and soil balance by phase.
- Review and discuss options with MWA and determine a preferred path. The results
 of that review and discussion will be recommendations on the possible
 reconfiguration of the site.

TASK 302 Capping Technologies

 Evaluate the possible use of an alternate capping system by determining the preliminary thickness of an evapotranspiration cap, the feasibility of soil balance, and conduct a cursory discussion with IDNR (detailed calculations are not anticipated as part of the planning process). Exposed geomembrane cap with solar may also be evaluated through this process.

TASK 303 Screening and Environmental Controls

SUBTASK 303.1 SITE AESTHETICS, SCREENING, BUFFERS, PLANTING, AND VISUAL ENHANCEMENTS:

- Prepare a technical evaluation of the appropriateness of various Site Aesthetics, Screening, Buffers, Planting, and Visual Enhancements alternatives:
 - Identify visual screening issues and options, including landscaping, earth-berm type screening, and visual enhancements to prevent viewing of landfill operations and reduce the perceived intensity of the completed facility.
 - o Re-evaluate the existing end-use plan and develop updated whole Site aesthetics.
 - Identify site aesthetic, visual enhancements, and plantings options appropriate to ongoing operations, sequential site development, and end-use, including solar caps or recreational facility.
 - Prepare cross-section and line of sight drawings to illustrate the effectiveness of screening options. If requested, develop 3-D renderings for use in Board presentations.

SUBTASK 303.2 LANDFILL GAS MANAGEMENT:

- Prepare a technical evaluation of the appropriateness of various LFG Management alternatives.
 - Re-evaluate or estimate LFG quantity for both MPE and MPW, based on the site sequencing.
 - o Define needs and desires for MWA LFG management.
 - Meet jointly with MWA and Waste Management having rights to the existing LFG at MPE, to help better define options for future LFG management needs and system configuration requirements.
 - Identify potential locations of future LFG management system components (internal and external to the landfill).

FC

SUBTASK 303.3 LEACHATE MANAGEMENT:

- Prepare a technical evaluation of appropriate Leachate Management options. In this task, the HDR Team will address future collection and handling needs of the active sites and the future construction areas.
 - Leachate estimated from closure sequencing will be used as inputs to the USEPA HELP model to estimate leachate generation rates over the site life.
 - Utilize estimated leachate quantities to estimate future storage capacity requirements and to aid in evaluating disposal/utilization options. Evaluate leachate lagoons (possibly covered) versus storage tanks based on spatial requirements/constraints, operation (e.g., aeration), maintenance, and longevity. It is assumed that MWA will continue to operate a leachate recirculation program and/ or disposal of the local WWTPs.
 - o Evaluate leachate impacts on WWTP receipt and review onsite treatment feasibility.
 - Evaluate location(s) for on-site storage.

MEETINGS AND TRAVEL

• Included in Task Series 100.

TASK DELIVERABLES

- Technical Evaluations (Drawings and where appropriate technical summaries) such as:
 - o Cell Phasing
 - Vertical Expansion and Side Slope Modification
 - o Closure Sequencing
 - o Alternate Capping
 - o Site Aesthetics, Screening, Buffers, Planting, and Visual Enhancements
 - o Landfill Gas Management Plan
 - o Leachate Management Plan
 - o Soil Management Plan

KEY UNDERSTANDINGS AND ASSUMPTIONS

- Decisions resulting from technical evaluations included in this task series will be the foundation for developing the final Master Plan documents.
- MWA will assist in defining the viability of options, including such items as changes to top of landfill elevations, horizontal or vertical filling limits extending beyond the current permit limits.
- HDR assumes that the information provided by IDNR and MWA to the HDR Team is reliable and accurate.

INFORMATION AND SERVICES PROVIDED BY OTHERS

 IDNR input may be necessary on various alternatives, e.g., inward gradient, increase side slopes, leachate management, gas management, etc. It is assumed that IDNR will provide adequate and timely guidance to allow for decision-making and development of the concepts.

Task 400 Series – Landfill Master Planning

Objective:

hdrinc.com

FSS

To utilize information compiled in prior tasks and work with MWA to compile a Landfill Master Plan for both MPE and MPW. To create a Landfill Master Plan that is a guidance, management, and permitting tool and contains appropriate information on design adequacy, cell configuration, expansion plans for various systems and approaches to construction and operation. This plan will reflect the short, mid, and long-term needs of MWA relative to both facilities' construction and ultimate end-use.

HDR Activities:

TASK 401 System Definition Refinement

SUBTASK 401.1 BASIS OF MASTER PLAN

- Provide an overall summary of the selected options, strategies, and plans reflecting prior decisions from Task 300 related to site optimization, vertical expansion, side slope modification, cell phasing, capping configurations, LFG management, and leachate management soil management, and site aesthetics. This will serve as the basis of the key components included in the final master plan.
- Based on the configuration of facilities identified in Task 300, determine the need for additional or relocated administrative, management, or ancillary operations facilities.

SUBTASK 401.2 DOCUMENTATION OF ADEQUACY

• HDR will prepare (as necessary) drawings, details and cross-sections, and documentation of design adequacy (calculations) for the ultimate development of MPE and MPW (existing and expansion areas) in accordance with [567] IAC 113. This will include top of liner and final capping system contour maps, liner and capping details, design adequacy calculations for capping, liner, and leachate collection system including Subtitle D criteria related to slope stability, hydraulic head, seismic analysis, settlement, etc. and details of critical structures. Stormwater run-on and runoff control structures will be designed in accordance with [567] IAC 113 and good engineering practices, including terraces, berms, and let- down structures and sediment ponds. The level of effort associated with long-term structures will be agreed upon internal maintenance with MWA before execution.

TASK 402 MWA Development Plan

SUBTASK 402.1 OVERALL PLAN

- The development drawings will be prepared showing both existing and proposed topography
 with contours at appropriate intervals for both MPE and MPW areas, including intermediate
 phases of construction. Drawings will illustrate drainage patterns, surface structures, and
 drainage terraces with associated let-down structures, silt control structures, and holding
 basins. The general configuration or arrangement for cells/areas will be illustrated, and typical
 plan views will be developed for each cell/area or group of areas. The cell development plan
 will illustrate the sequential development of cells/ areas with respect to time.
- Proposed borrow areas will be identified and illustrated on the development drawings, and a soil balance will be provided for both MPE and MPW sites.
- The internal roadway system configuration will show haul roads for each cell/area or groups
 of areas and access to onsite facilities, including the scale, office facility, and maintenance

FX

facilities. The configuration of these roadways will consider both the type of vehicular traffic and traffic flow patterns into, around, and out of the site.

 A closure sequence will be developed to show the relationship between expansions, common fill areas, and the sequence of closure based on soil balance and timing of fill operations. Closure sequencing will review potential options for lessening financial assurance needs over the life of each facility.

SUBTASK 402.2 STORMWATER MANAGEMENT PLANS

 Drawings will be used to define overall drainage and stormwater management strategy, onsite features including ponds and pumping (if required), and coordinate with other site features. It is anticipated that pumping will be required for the MPW expansion.

SUBTASK 402.3 SOIL MANAGEMENT PLANS

 HDR will summarize soil excavation and storage sequencing based on options from Task 300. The soil balance and an overall schedule of development will reflect both the quantity and timing of soil excavation and targets for placement if there is excess soil that must be stored.

SUBTASK 402.4 LEACHATE MANAGEMENT PLANS

- Based on evaluations and data compiled in Task 300, HDR will summarize leachate generation and management/ storage requirements and identify the location(s) for leachate management features. If onsite leachate treatment options are reviewed, siting of these facilities will be completed.
- The plan will include scheduling of required leachate management features for financial planning and space allocation.

SUBTASK 402.5 LANDFILL GAS MANAGEMENT PLANS

- Based on evaluations conducted in Task 300, HDR will summarize landfill gas agreement(s) requirements and identify the location(s) for landfill gas features.
- The plan will include scheduling of required landfill gas features for space allocation.
- For MPE, a review of contractual implications will be reviewed.

SUBTASK 402.6 END-USE PLAN

- Develop additional conceptual plans for use in communicating the long-term development of the site.
- Identify opportunities and timeframes to implement end-use features such as solar capping, recreational use, and educational opportunities.
- The end-use plan may be a sequential plan that will evolve as the landfill progresses. However, the plan will remain flexible due to the changing nature of the solid waste industry and public demand over the remaining life of the site.

TASK 403 Life Cycle Cost Analysis

 Prepare cost analysis for selected scenarios including new cell construction, phased closures, leachate system modifications, stormwater improvement, among others. This cost analysis will be reviewed for the life of the master plan to assist with timing and budgeting of capital expenses.

hdrinc.com 300 E Locust Street, Suite 210Des Moines, IA 50309-1823 (515) 280-4940

- FJS
- Estimates will be derived from historic costs at MPE and MPW for similar projects. If a unique project is analyzed, HDR will utilize a cost estimating tool such as RS Means.

TASK 404 Schedule and implementation Timeline

 Prepare time frames schedule of actions for long-term implementation of the various cells/areas and ancillary actions necessary for the full development of both MPE and MPW sites. This schedule would identify approximate time frames for new cell, area development, installation of environmental controls, capping system, landfill gas, leachate management, infrastructure, and roadway modifications. This may also include preliminary timelines for end-use features.

TASK 405 Summary Plan

- Prepare a Draft and Final Plan with an Executive Summary. The Plan will incorporate items
 described in this and other tasks and include the final integration and refinement of
 approaches to developing MWA's landfills. The Plan will include:
 - Compilation of recommendations
 - Implementation strategy/key actions
 - o Schedule
 - Drawings and figures illustrating construction and phasing/sequencing Appendices, which include:
 - Reference Reports on Studies and Planning (Summary of Evaluations)
 - Calculations of Major Components
 - Cross-Sections
 - Construction Details, as necessary (e.g., Drainage, Liner Terminations, and Transitions, Leachate Extraction, Roads, Terraces, Lift Configurations, Landfill Gas Collection, etc.)

MEETINGS AND TRAVEL

Included in Task 100

TASK DELIVERABLES

- Draft and Final Landfill Master Plan including the following:
 - o Stormwater management plan
 - Site plan and facilities plans
 - o Documentation of design adequacy
 - MPE and MPW Development Plans
 - Sequence of closure
 - Stormwater management
 - Soil management plan
 - Leachate management plan
 - End-use plan
 - o Schedule and Implementation Timeline

KEY UNDERSTANDINGS AND ASSUMPTIONS

• Efforts in this task will focus on refining, compiling, and summarizing information prepared in Tasks 200 through 300.

hdrinc.com 300 E Locust Street, Suite 210Des Moines, IA 50309-1823 (515) 280-4940



- Site plans will show a composite liner, capping system, leachate collection, and other components meeting the requirements of IAC 567 Chapter 113 unless it is otherwise agreed that alternative approaches are pursued.
- Education and public services are included in Task 100 and will be handled as project management. A limited amount of time/effort has been estimated for this proposal.
- Task 400 is intended to compile decisions made in Tasks 200 and 300 prepared in a presentable format. Additional options, alternatives, and strategies are not included.
- Drawings are considered to be prepared at a conceptual level and are not for construction.
- Detailed financial pro formas are not included in this scope of work.

INFORMATION AND SERVICES PROVIDED BY OTHERS

- MWA will provide historical data on soil utilization, including soil quantity use associated with alternate daily covers. This data will be used to refine overall soil needs and soil balances.
- MWA will provide input on format and level of detail to incorporate into the final Plan.
- MWA will provide input on the schedule and timeline for the implementation of long-term development.

PART 3.0 OWNER'S RESPONSIBILITIES:

Owner's responsibilities are described above in the associated tasks and subtasks.

PART 4.0 PERIODS OF SERVICE:

HDR is available to start on this project upon receipt of notice to proceed and the fully executed Task Order. Based on the proposed schedule, we anticipate services starting in July 2021 and ending in January 2022.

PART 5.0 PAYMENTS TO ENGINEER:

Compensation for the services described herein shall be on a time and materials basis using the current standard hourly rates, for a total fee amount of \$306,530.00.

FJS

This Task	Order is executed this	_ day of	, 20
Metro Waste Auth	nority	HDR ENGINEER	ING, INC.
"OWNER"		"ENGINEER"	
BY:		BY:	match B. I-del
NAME:	Michael McCoy	NAME:	Matthew B. Tondl
TITLE:	Executive Director	TITLE:	Senior Vice President
ADDRESS:	300 E Locust	ADDRESS:	1917 S 67th Street
	Des Moines, Iowa 50309		Omaha, NE 68106

1

hdrinc.com

Metro Waste Authority Board

Monthly Board Meeting

June 16, 2021

AGENDA ITEM 15

ITEM:

Material Recovery Facility Cashflow Analysis

SUMMARY:

Presentation of cashflow analysis related to the MRF and the Residential Recycling cost centers. Four scenarios are included, reflecting different levels of commodity prices since August 2016. Scenarios include commodity prices as of May 2021, as well as at the lowest prices, average prices, and the highest for all single stream materials.

DISCUSSION POINTS:

MWA is working with PFM Financial Advisors LLC to develop cashflow proformas from an organization-wide down to a program level. These cashflows relate to the MRF combined with the existing residential recycling program. It shows a breakdown of recycling commodities from MWA communities (Curb It! customers) and the City of Des Moines. The past 50 months of data have been used to reflect actual market trends.

These cashflows also show how commodity pricing fluctuate and how those affect the facility's overall revenues and expenses. Four scenarios are included, reflecting varying commodity prices since August 2016.

ATTACHMENTS:

MRF Cashflow Scenarios & Residential Recycling

CONTACT:

Joel Etienne, finance administrator, 515-323-6506

Material Recovery Facility Project Cash Flow Activity Thru 6/2/2021 Captial and Equipment Reconciliation

	Education	
Description	Center	Equipment
Budget	1,000,000.00	2,540,000.00
930M CAT Wheel Loader (May 2021 Board Approved) (Equipment)		(273,139.00)
2 Hupp Toyota 8FGC35U Lift Trucks (May 2021 Board Approved) (Equipment)		(118,832.00)
906M CAT Wheel Loader (May 2021 Board Approved) (Equipment)		(122,056.22)
IT Needs		(240,000.00)
Four scales		(401,276.00)
	1,000,000.00	1,384,696.78

		Totals	-
Budget		20.012.202	
Original Budget		30,912,362	
Total Budget	\$	30,912,362	
MRF Expenses:			
Construction Bids	\$	22,836,261	Note 2
Outside Additional Uses	\$	1,527,461	
MRF Expenses Subtotal		24,363,721	-
Other Uses:			
Education Center (Note 1) - Construction Bid		1,241,000	Note 2
City of Grimes Overlay (Note 1) - Construction Bid		2,000,000	Note 2
Maintenance Shop (Note 1) - Construction Bid		275,000	Note 2
Household Hazardous Waste Building (Note 1) - Construction Bid		284,000	Note 2
Other Uses Subtotal		3,800,000	-
Total Expenditures		28,163,721	-
Transfers Out			-
			_
Ending Balance, June 30	Ş	2,748,641	-

Notes:

1 - These additions were approved by the board at the July 15, 2020 Board Meeting and included in the FY22 budget.

2 - Total of Note 2 is \$26,636,261 which ties to the Contracts tab.

3 - FY22 budgeted \$1,000,000 in captial for the education center and \$2,540,000 in captial and equipment for other MRF needs.

	Totals
Sources:	
2020A Bond Issue	24,065,000
Interest Income	1,873
Total Revenues	\$ 24,066,873
Transfers In	3,800,000 Per Board approval at July 15, 2020 board meeting
Funds Available	\$ 27,866,873
MRF Uses:	
Construction Bids	\$ 22,836,261 Note 2
Outside Additional Uses	\$ 1,527,461
MRF Uses Subtotal	24,363,721
Other Uses:	
Education Center (Note 1) - Construction Bid	1,241,000 Note 2
City of Grimes Overlay (Note 1) - Construction Bid	2,000,000 Note 2
Maintenance Shop (Note 1) - Construction Bid	275,000 Note 2
Household Hazardous Waste Building (Note 1) - Construction Bid	284,000 Note 2
Other Uses Subtotal	3,800,000
Total Expenditures	28,163,721
Transfers Out	
Ending Balance, June 30	\$ (296,848)

Notes:

1 - These additions were approved by the board at the July 15, 2020 Board Meeting and included in the FY22 budget.

2 - Total of Note 2 is \$26,636,261 which ties to the Contracts tab.

	8,059,165 	24,065,000 1,873 24,066,873 3,800,000 27,866,873 13,046 - 1,023,129 61,448 1,435,164 149,612 10,000	Note 1
1,123 1,123 , , , , , , , , , , , , ,	- 750 \$ 3,800,000 \$ 11,859,915 \$ - \$ 189,518 592,948 -	24,065,000 1,873 24,066,873 3,800,000 27,866,873 13,046 - 1,023,129 61,448 1,435,164 149,612 10,000	Note 1
- 1,123 1,123 -	- 750 \$ 3,800,000 11,859,915 \$ - \$ 189,518 592,948 -	24,065,000 1,873 24,066,873 3,800,000 N 27,866,873 13,046 - 1,023,129 61,448 1,435,164 149,612 10,000	Note 1
1,123 1,123 ,1,123	750 750 \$ 3,800,000 11,859,915 \$ - \$ 189,518 592,948 -	1,873 24,066,873 3,800,000 M 27,866,873 13,046 - - 1,023,129 61,448 1,435,164 149,612 10,000	Note 1
1,123 \$	750 \$ 3,800,000 11,859,915 \$ - \$ 189,518 592,948 -	24,066,873 3,800,000 N 27,866,873 13,046 - 1,023,129 61,448 1,435,164 149,612 10,000	Note 1
- \$ - \$ - \$ 407,262 55,800 842,216 149,612 10,000	3,800,000 11,859,915 \$ - \$ - \$ 189,518 592,948 -	3,800,000 N 27,866,873 13,046 - 1,023,129 61,448 1,435,164 149,612 10,000	Note 1
371,081 \$ 1 - \$ - 407,262 55,800 842,216 149,612 10,000	11,859,915 \$ - \$ - 189,518 592,948 -	27,866,873 13,046 - - 1,023,129 61,448 1,435,164 149,612 10,000	
- \$ - 407,262 55,800 842,216 149,612 10,000	- \$ - 189,518 592,948 -	13,046 - - 1,023,129 61,448 1,435,164 149,612 10,000	
- \$ - 407,262 55,800 842,216 149,612 10,000	- \$ - 189,518 592,948 -	13,046 - - 1,023,129 61,448 1,435,164 149,612 10,000	
- 407,262 55,800 842,216 149,612 10,000	- 189,518 592,948 -	- 1,023,129 61,448 1,435,164 149,612 10,000	
407,262 55,800 842,216 149,612 10,000	189,518 592,948 -	- 1,023,129 61,448 1,435,164 149,612 10,000	
407,262 55,800 842,216 149,612 10,000	- 189,518 592,948 -	1,023,129 61,448 1,435,164 149,612 10,000	
842,216 149,612 10,000	592,948 -	61,448 1,435,164 149,612 10,000	
149,612 10,000	-	149,612 10,000	
10,000		10,000	
-			
,128,303	2,252,665	9,380,968	
,615,110	4,131,890	10,997,000	
60,191	855,112	915,304	
-	94,630	94,630	
	240,000	240,000	
31,659	-	31,659	
- 11.762	-	- 11.762	
,311,915	8,356,764	24,363,721	
-	1,241,000	1,241,000	
-	2,000,000	2,000,000	
-	275,000	275,000	
-	284,000	284,000	
-	3,800,000	3,800,000	
,311,915 1	12,156,764	28,163,721	
	<u> </u>		
	(296,848) \$	(296,848)	
	311,915 - - - 311,915 - - - - - - - - - - - - - - - - - - -	311,915 8,356,764 - 1,241,000 - 2,000,000 - 275,000 - 284,000 - 3,800,000 311,915 12,156,764 - - 059,165 \$ (296,848)	311,915 8,356,764 24,363,721 - 1,241,000 1,241,000 - 2,000,000 2,000,000 - 275,000 275,000 - 284,000 284,000 - 3,800,000 3,800,000 311,915 12,156,764 28,163,721 - - - 059,165 \$ (296,848) \$ (296,848)

Other Savings:

Project bids lower than anticipated Savings from plan of finance with Polk County \$ 4,438,683 This includes savings in fees as well.

\$ 2,500,000 Note 2

Notes:

1 - These additions were approved by the board at the July 15, 2020 Board Meeting and included in the FY22 budget.

2 - The savings is realized in interest savings over the length of the bond, in this case 20 years.

Land was purchased for \$1,211,556 November 12, 2015, do we need to show that?

		Project	Contract				Project	
	Eog	cability Study	Awardod	Change Orders	Povisod Contract	Feasability vs	Actual VTD	Pompining
	Fea	sability Study	Awarueu	Change Orders	Revised Contract	Reviseu	Actual-11D	Remaining
Expenditures:								
General Contractor/Building Construction								
- #1 Sitework and Utilities: McAninch		1,832,082	1,381,500	-	1,381,500	450,582	791,938	589,562
- #2/#8 Building Concrete and General Construction: Graphite/Rochon		5,232,999	3,945,997	(12,263)	3,933,734	1,299,265	2,301,053	1,632,681
- #3 Landscaping: Alpha		315,442	237,862	-	237,862	77,580	-	237,862
- #4 Site Concrete: CTI		1,294,910	976,440	-	976,440	318,470	-	976,440
- #5 Structural Steel and Precast: PDM		4,106,177	3,096,305	(30,987)	3,065,318	1,040,859	2,699,648	365,670
 + #6 Roofing and Sheetmetal: Central States 		511,895	386,000	-	386,000	125,895	299,440	86,560
- #7 Aluminum, Glass and Metal Panels: AWS		646,898	487,800	-	487,800	159,098	143,092	344,708
- #9 Elevator: Schumacher		125,515	94,646	-	94,646	30,869	-	94,646
- #10 Mechanical: Excel		2,022,385	1,525,000	39,458	1,564,458	457,927	771,467	792,991
- #11 Electrical: Tri-City		1,396,719	1,053,210	-	1,053,210	343,509	121,664	931,546
Construction Management: Graham Construction		1,372,872	1,035,228	399,936	1,435,164	(62,293)	842,216	592,948
Architecture Fees (5% ISG, 2% Jake)		1,320,052	995,399		1,023,129	296,923		
- Optic Readers		10,897,000	10,897,000	100,000	10,997,000	(100,000)	6,865,110	4,131,890
Total Expenditures	\$	31,074,944	\$ 26,112,387	\$ 496,144	\$ 26,636,261.42	\$ 4,438,683	\$ 14,835,629	\$ 10,777,503
Descartitution								

Reconciliation Revised Contract Total

26,636,261.42

Other Uses:	
Brink Gentry Legal Fees (Legal & Publication)	13,045.70
Allender Butzke/HDR (Architecture and Engineering)	61,448.45
McAninch (Dirt Work and Grading)	149,611.45
PFM Bonding (Other Professional Fees)	10,000.00
JA King Scale (Equipment)	200,638.00
930M CAT Wheel Loader (May 2021 Board Approved) (Equipment)	273,139.00
2 Hupp Toyota 8FGC35U Lift Trucks (May 2021 Board Approved) (Equipment)	118,832.00
906M CAT Wheel Loader (May 2021 Board Approved) (Equipment)	122,056.22
Furniture at MRF (Furniture and Fixtures)	94,630.33
IT Needs and Wizard (Equipment/IT)	240,000.00
Mid American Energy (Utility Hookup)	31,658.91
City of Grimes/Quick Oil/Napa/Beeline Blue (Other)	11,761.49
Total Other Uses	1,326,821.55

Total Uses

27,963,082.97

28,163,721.37 Check Figure from Project Budget

(200,638.40) Variance

May 2021	Commodity	Rates ((Current)

			Usage Assumptions & Projected Rate Adjustments				
		Usage	1.00%	1.00%	1.00%	1.00%	1.00%
		Rate	0.00%	0.00%	0.00%	0.00%	0.00%
	CURB IT	New Customers	750	750	750	750	750
	Budget	Budget	Projected	Projected	Projected	Projected	Projected
	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Volume (tons):		7 months	12 months				
Metro Waste Authority							
Mixed Paper 1	1	5,026	8,616	8,702	8,789	8,877	8,966
Cardboard - (OCC) 2	Ì	2,254	3,864	3,903	3,942	3,981	4,021
Aluminum Beverage Cans (UBC) 3	1	84	144	145	147	148	150
STEEL/TIN 4		203	348	351	355	359	362
PET 5		406	696	703	710	717	724
HDPE NATURAL 6		140	240	242	245	247	250
HDPE COLOR 7	1	154	264	267	269	272	275
3 MIX GLASS 8		1,295	2,220	2,242	2,265	2,287	2,310
MIX Plastic 3-7 9	İ	35	60	61	61	62	62
Residue 10	Ì	1,309	2,244	2,266	2,289	2,312	2,335
Total Annual Tonage 11	Ì	10,906	18,696	18,883	19,072	19,263	19,455
City of Des Moines	1						
Mixed Paper 12	1	2,478	4,248	4,290	4,333	4,377	4,420
Cardboard - (OCC) 13		959	1,644	1,660	1,677	1,694	1,711
Aluminum Beverage Cans (UBC) 14	i	42	72	73	73	74	75
STEEL/TIN 15		112	192	194	196	198	200
PET 16		161	276	279	282	284	287
HDPE NATURAL 17		63	108	109	110	111	112
HDPE COLOR 18		70	120	121	122	124	125
3 MIX GLASS 19		574	984	994	1,004	1,014	1,024
MIX Plastic 3-7 20	1	14	24	24	24	25	25
Residue 21	1	875	1,500	1,515	1,530	1,545	1,561
Total Annual Tonage 22		5,348	9,168	9,260	9,352	9,446	9,540
Total							
Mixed Paper 23	İ	7,504	12,864	12,993	13,123	13,254	13,386
Cardboard - (OCC) 24		3,213	5,508	5,563	5,619	5,675	5,732
Aluminum Beverage Cans (UBC) 25	1	126	216	218	220	223	225
STEEL/TIN 26		315	540	545	551	556	562
PET 27		567	972	982	992	1,001	1,011
HDPE NATURAL 28		203	348	351	355	359	362
HDPE COLOR 29		224	384	388	392	396	400
3 MIX GLASS 30		1,869	3,204	3,236	3,268	3,301	3,334
MIX Plastic 3-7 31	ļ	49	84	85	86	87	87
Residue 32	İ	2,184	3,744	3,781	3,819	3,857	3,896
Total Annual Tonage 33	i	16,254	27,864	28,143	28,424	28,708	28,995
č	i	, ,		,		,	

				Usag	e Assumption	s & Projected	Rate Adjustm	ents
			Usage	1.00%	1.00%	1.00%	1.00%	1.00%
			Rate	0.00%	0.00%	0.00%	0.00%	0.00%
		CURB IT	! New Customers	750	750	750	750	750
		Budget FY 2020-21	Budget FY 2021-22	Projected FY 2022-23	Projected FY 2023-24	Projected FY 2024-25	Projected FY 2025-26	Projected FY 2026-27
Net Price (Includes Transportation Cost)		 						
Mixed Paper	34	l I	\$ 51.25	\$51.25	\$51.25	\$51.25	\$51.25	\$51.25
OCC	35	l I	\$110.50	\$110.50	\$110.50	\$110.50	\$110.50	\$110.50
Aluminum Beverage Cans (UBC)	36	i I	\$1,490.00	\$1,490.00	\$1,490.00	\$1,490.00	\$1,490.00	\$1,490.00
STEEL/TIN	37	1 1 1	\$300.00	\$300.00	\$300.00	\$300.00	\$300.00	\$300.00
РЕТ	38		\$380.00	\$380.00	\$380.00	\$380.00	\$380.00	\$380.00
HDPE NATURAL	39	1	\$1,900.40	\$1,900.40	\$1,900.40	\$1,900.40	\$1,900.40	\$1,900.40
HDPE COLOR	40		\$905.00	\$905.00	\$905.00	\$905.00	\$905.00	\$905.00
3 MIX GLASS	41	ļ	(\$7.00)	(\$7.00)	(\$7.00)	(\$7.00)	(\$7.00)	(\$7.00)
MIX Plastic 3-7	42	Ì	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Net Commodity Revenues								
Metro Waste Waste Authority								
Mixed Paper	43		\$257,583	\$441,570	\$445,986	\$450,446	\$454,950	\$459,500
OCC	44	1	\$249,067	\$426,972	\$431,242	\$435,554	\$439,910	\$444,309
Aluminum Beverage Cans (UBC)	45		\$125,160	\$214,560	\$216,706	\$218,873	\$221,061	\$223,272
STEEL/TIN	46		\$60,900	\$104,400	\$105,444	\$106,498	\$107,563	\$108,639
PET	47	l	\$154,280	\$264,480	\$267,125	\$269,796	\$272,494	\$275,219
HDPE NATURAL	48	i	\$266,056	\$456,096	\$460,657	\$465,264	\$469,916	\$474,615
HDPE COLOR	49		\$139,370	\$238,920	\$241,309	\$243,722	\$246,160	\$248,621
3 MIX GLASS	50	, 	(\$9,065)	(\$15,540)	(\$15,695)	(\$15,852)	(\$16,011)	(\$16,171)
MIX Plastic 3-7	51		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Total Commodity Revenues	52	1	\$1,243,351	2,131,458	2,152,773	2,174,300	2,196,043	2,218,004
Revenues per Ton	53	1	\$114.01	\$114.01	\$114.01	\$114.01	\$114.01	\$114.01
City of Des Moines		1		1				
Mixed Paper	54	1	\$126,998	\$217,710	\$219,887	\$222,086	\$224,307	\$226,550
OCC	55	1	\$105,970	\$181,662	\$183,479	\$185,313	\$187,167	\$189,038
Aluminum Beverage Cans (UBC)	56	1	\$62,580	\$107,280	\$108,353	\$109,436	\$110,531	\$111,636
STEEL/TIN	57	1	\$33,600	\$57,600	\$58,176	\$58,758	\$59,345	\$59,939
PET	58		\$61,180	\$104,880	\$105,929	\$106,988	\$108,058	\$109,139
HDPE NATURAL	59	l	\$119,725	\$205,243	\$207,296	\$209,369	\$211,462	\$213,577
HDPE COLOR	60	İ	\$63,350	\$108,600	\$109,686	\$110,783	\$111,891	\$113,010
3 MIX GLASS	61		(\$4,018)	(\$6,888)	(\$6,957)	(\$7,026)	(\$7,097)	(\$7,168)
MIX Plastic 3-7	62	1 	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Total Commodity Revenues	63	I	\$569,384	976,087	985,848	995,707	1,005,664	1,015,720
Revenues per Ton	64	, , ,	\$106.47	\$106.47	\$106.47	\$106.47	\$106.47	\$106.47
Total		1 1 		1 1 				
<u>I vuit</u> Mixed Paper	65	i I	\$38/ 580	\$650.280	\$665 872	\$672 522	\$670 257	\$686 040
	66	1 1 1	\$355,037	\$608.634	\$614 720	\$620,868	\$627.076	\$633 347
Aluminum Beverage Cans (UBC)	67	1	\$355,057 \$187,740	\$321.840	\$325.058	\$328,309	\$331 592	\$334,908
STEFI /TIN	68		\$94 500	\$162,000	\$163,620	\$165,256	\$166,909	\$168 578
PET	69		\$215 460	\$369 360	\$373 054	\$376 784	\$380 552	\$384 357
HDPE NATURAL	70	ļ	\$385 781	\$661 339	\$667.953	\$674 632	\$681 378	\$688 197
HDPE COLOR	71	l	\$202 720	\$347 520	\$350,995	\$354 505	\$358.050	\$361 631
3 MIX GLASS	72	İ	(\$13.083)	(\$22.428)	(\$22.652)	(\$22.879)	(\$23,108)	(\$23,339)
MIX Plastic 3-7	73	, 	(\$12,005)	\$0	(<u>\$2</u> ,052) \$0	(J=_,077) \$0	(J=2,100) \$0	(\$ <u>-</u> 0,005)) \$0
Total Commodity Revenues	74	i	\$1,812.73 <u>5</u>	3,107.545	3,138.621	3,170.007	3,201.707	3,233,724
Revenues per Ton	75	 	\$111.53	\$111.53	\$111.53	\$111.53	\$111.53	\$111.53
11	-							

May 2021 Commodity Rates (Curren	May 2021	Commodity	Rates	(Curren ⁻
----------------------------------	----------	-----------	-------	----------------------

				Usag	e Assumption	s & Projected	Rate Adjustm	ents
			Usage	1.00%	1.00%	1.00%	1.00%	1.00%
			Rate	0.00%	0.00%	0.00%	0.00%	0.00%
		CURB IT!	New Customers	750	750	750	750	750
	ļ	D 1 1	D 1 /	D 1	D ' / 1	D 1 1	D 1	D 1
		Budget FY 2020-21	Budget FY 2021-22	Projected FY 2022-23	Projected FY 2023-24	Projected FY 2024-25	Projected FY 2025-26	Projected FY 2026-27
Financial Metrics	ļ							
Processing Cost per Ton	76		\$221.72	\$122.20	\$124.62	\$127.09	\$129.61	\$132.17
Debt Service Cost per Ton	77		<u>\$70.94</u>	<u>\$46.77</u>	<u>\$51.70</u>	<u>\$57.44</u>	<u>\$56.94</u>	<u>\$56.36</u>
Total Cost per Ton	78		\$292.65	\$168.97	\$176.32	\$184.53	\$186.55	\$188.53
Commodity Revenue per Ton (MWA)	79		\$114.01	\$114.01	\$114.01	\$114.01	\$114.01	\$114.01
Commodity Revenue per Ton (DSM)	80		\$106.47	\$106.47	\$106.47	\$106.47	\$106.47	\$106.47
Commodity Revenue per Ton (Total)	81		\$111.53	\$111.53	\$111.53	\$111.53	\$111.53	\$111.53
	02		\$202.C5	¢1(0,07	¢176.22	¢104.52	¢106 55	¢100.53
10tal Cost per 10n Commodity Payonya per Tor (Total)	82 82		\$292.65 (\$111.52)	\$108.9/ (\$111.52)	\$1/0.32 (\$111.52)	\$184.55 (\$111.52)	\$180.33 (\$111.52)	\$188.55 (\$111.52)
Net Processing Cost per Ton	84		<u>(5111.55)</u> \$181.13	<u>(5111.33)</u> \$57.45	<u>(5111.33)</u> \$64.80	<u>(5111.33)</u> \$73.01	<u>(9111.33)</u> \$75.02	<u>(9111.33)</u> \$77.01
CUDD IT! Count	0=		00.220	100.000	100 020	101 500	102 220	102.000
CORD 11: Count	00 96		99,330 \$85.00	\$85.00	100,830	101,380	\$85.00	105,080
	00	#2 1 0	\$83.00	\$83.00	\$85.00	\$85.00	\$83.00 #2.21	\$83.00 #2.01
Curb It! Fee - Res Collection (non Fuel)	87	\$2.19	\$2.21	\$2.21	\$2.21	\$2.21	\$2.21	\$2.21
Curb It! Fee - Res Collection (Fuel)	88	\$0.52	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50
Curb It! Fee Pasidential (Total)	09	<u>\$0.74</u> \$3.45	\$1.10 \$3.80	\$3.80	\$1.10 \$3.80	\$1.10 \$3.80	\$3.80	\$3.80
Curb II: Fee Residential (Total)	90	\$5.45	\$5.89	\$5.69	\$3.09	\$3.09	\$3.09	\$3.09
Kevenues	01	¢12.500	¢1 010 725	¢2 107 545	¢2 129 (21	¢2 170 007	¢2 201 707	¢2 222 724
CLIPR IT! Revenues	91	\$12,500	\$1,812,735	\$3,107,545 \$4,671,734	\$3,138,021 \$4,706,744	\$3,170,007 \$4,741,754	\$3,201,707 \$4,776,764	\$3,233,724 \$4,811,774
City of Des Moines Revenues	92	\$5,800,000	1 381 590	\$7,071,734 \$2,368,440	\$2 392 124	\$2,416,046	\$7,770,704 \$2,440,206	\$7,611,774 \$2,464,608
Out of Area Revenues	94	\$0	\$0	\$2,500,440	\$0	\$0	\$2,440,200	\$2,404,000
Miscellaneous Recycing Revenues	95	\$22,350	\$27,000	\$27,000	\$27,000	\$27,000	\$27,000	\$27,000
Total Revenues	96	\$3,834,850	\$7,858,049	\$10,174,720	\$10,264,489	\$10,354,807	\$10,445,677	\$10,537,107
Year over Year % Change in Revenues	97	0.0%	0.0%	29.5%	0.9%	0.9%	0.9%	0.9%
Operating Expenses	98			3%	3%	3%	3%	3%
Personnel Expenses	99	\$61,676	\$1,518,250	\$1,563,798	\$1,610,711	\$1,659,033	\$1,708,804	\$1,760,068
Operating Expenses	100	\$1,105,445	\$1,159,667	\$887,603	\$914,231	\$941,657	\$969,907	\$999,004
CURB IT! Hauling Expenses	101	\$3,500,000	\$3,230,212	\$3,254,602	\$3,278,992	\$3,303,382	\$3,327,772	\$3,352,162
General & Administrative Expenses	102	\$243,307	\$925,850	\$953,626	\$982,234	\$1,011,701	\$1,042,052	\$1,073,314
Other Income & Expenses	103	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Total Expenses	104	\$4,910,428	\$6,833,978	\$6,659,627	\$6,786,168	\$6,915,773	\$7,048,535	\$7,184,548
Year over Year % Change in Expenses	105	0.0%	0.0%	-2.6%	1.9%	1.9%	1.9%	1.9%
Net Income (Loss)	106	(\$1,075,578)	\$1,024,071	\$3,515,093	\$3,478,322	\$3,439,034	\$3,397,143	\$3,352,559
Add: Depreciation	107	<u>\$0</u>	\$245,000	\$245,000	\$245,000	\$245,000	\$245,000	\$245,000
Revenue Available for Debt	108	(\$1,075,578)	\$1,269,071	\$3,760,093	\$3,723,322	\$3,684,034	\$3,642,143	\$3,597,559
Transfer to Debt Service	109	1,003,583	1,153,000	1,303,250	1,455,000	1,632,750	1,634,750	1,634,250
Bond Proceeds	110	(\$2,070,1(1)	¢116.071	¢0 456 940	¢0.000.000	¢2.051.204	¢2 007 202	¢1.0(2.200
Revenue Available for Capital	111	(\$2,079,161)	\$116,071	\$2,456,843	\$2,268,322	\$2,051,284	\$2,007,393	\$1,963,309
Capital & Equipment	112	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Surplus/(Deficit)	113	(\$2,079,161)	\$116,071	\$2,456,843	\$2,268,322	\$2,051,284	\$2,007,393	\$1,963,309
Canital Autoria	114	۵ ۶	¢0	\$0	02	02	\$ 0	02
Equinment	115	φU -	ъ0 -	- -	φ0 -	φ0 -	ъ0 -	φ0 -
Total Capital & Equipment	116	-	-	-	-	-	-	-

Low Commodity	Rates (Sinc	ce August 2016)
---------------	-------------	-----------------

				Usag	ge Assumption	s & Projected	Rate Adjustm	ents
			Usage	1.00%	1.00%	1.00%	1.00%	1.00%
			Rate	8.25%	0.00%	0.00%	0.00%	0.00%
		CURB IT	! New Customers	750	750	750	750	750
		Budget	Budget	Projected	Projected	Projected	Projected	Projected
	į	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Net Price (Includes Transportation Cost)	İ			l				
Mixed Paper	34		\$ 2.25	\$2.25	\$2.25	\$2.25	\$2.25	\$2.25
OCC	35		\$35.50	\$35.50	\$35.50	\$35.50	\$35.50	\$35.50
Aluminum Beverage Cans (UBC)	36		\$840.00	\$840.00	\$840.00	\$840.00	\$840.00	\$840.00
STEEL/TIN	37		\$80.35	\$80.35	\$80.35	\$80.35	\$80.35	\$80.35
PET	38		\$90.00	\$90.00	\$90.00	\$90.00	\$90.00	\$90.00
HDPE NATURAL	39		\$450.20	\$450.20	\$450.20	\$450.20	\$450.20	\$450.20
HDPE COLOR	40		\$120.00	\$120.00	\$120.00	\$120.00	\$120.00	\$120.00
3 MIX GLASS	41		(\$25.00)	(\$25.00)	(\$25.00)	(\$25.00)	(\$25.00)	(\$25.00)
MIX Plastic 3-7	42		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	I			l				
Net Commodity Revenues								
Metro Waste Waste Authority	į			İ				
Mixed Paper	43		\$11,309	\$19,386	\$19,580	\$19,776	\$19,973	\$20,173
OCC	44		\$80,017	\$137,172	\$138,544	\$139,929	\$141,328	\$142,742
Aluminum Beverage Cans (UBC)	45		\$70,560	\$120,960	\$122,170	\$123,391	\$124,625	\$125,871
STEEL/TIN	46		\$16,311	\$27,962	\$28,241	\$28,524	\$28,809	\$29,097
PET	47		\$36,540	\$62,640	\$63,266	\$63,899	\$64,538	\$65,183
HDPE NATURAL	48		\$63,028	\$108,048	\$109,128	\$110,220	\$111,322	\$112,435
HDPE COLOR	49		\$18,480	\$31,680	\$31,997	\$32,317	\$32,640	\$32,966
3 MIX GLASS	50		(\$32,375)	(\$55,500)	(\$56,055)	(\$56,616)	(\$57,182)	(\$57,754)
MIX Plastic 3-7	51		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Total Commodity Revenues	52		\$263,870	452,348	456,871	461,440	466,054	470,715
Revenues per Ton	53		\$24.19	\$24.19	\$24.19	\$24.19	\$24.19	\$24.19
City of Des Moines	1							
Mixed Paper	54		\$5,576	\$9,558	\$9,654	\$9,750	\$9,848	\$9,946
OCC	55		\$34,045	\$58,362	\$58,946	\$59,535	\$60,130	\$60,732
Aluminum Beverage Cans (UBC)	56		\$35,280	\$60,480	\$61,085	\$61,696	\$62,313	\$62,936
STEEL/TIN	57		\$8,999	\$15,427	\$15,581	\$15,737	\$15,895	\$16,054
PET	58		\$14,490	\$24,840	\$25,088	\$25,339	\$25,593	\$25,849
HDPE NATURAL	59		\$28,363	\$48,622	\$49,108	\$49,599	\$50,095	\$50,596
HDPE COLOR	60		\$8,400	\$14,400	\$14,544	\$14,689	\$14,836	\$14,985
3 MIX GLASS	61		(\$14,350)	(\$24,600)	(\$24,846)	(\$25,094)	(\$25,345)	(\$25,599)
MIX Plastic 3-7	62		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Total Commodity Revenues	63		\$120,802	207,089	209,160	211,251	213,364	215,497
Revenues per Ton	64		\$22.59	\$22.59	\$22.59	\$22.59	\$22.59	\$22.59
Total				1				
<u>1 Utat</u> Mixed Doper	65		¢16 001	\$78 044	¢20.222	\$20 526	¢20.021	\$20,110
	66		\$10,00 4 \$114,062	\$20,944	\$29,233	\$29,520	\$29,621	\$202.472
Aluminum Bayaraga Cons (UBC)	67		\$114,002	\$195,554	\$197,409	\$199,404	\$201,439	\$203,473
STEEL /TIN	69		\$105,040 \$25,210	\$101,440	\$103,234 \$12,000	\$103,007 \$11 761	\$100,930 \$11 701	\$100,007 \$15 151
DET	00 60		\$23,310 \$51,020	\$43,389 \$97,400	\$43,023 \$00.255	944,201 \$90 229	944,704 \$00 121	\$01.022
	70		\$31,030 \$01,201	\$156 670	\$150,222	907,230 \$150,910	\$70,131 \$161 117	\$162 021
HDPE COLOR	71		\$71,371 \$76 880	\$150,070	\$120,230 \$16 511	\$17,019 \$17,006	\$101,417 \$17.176	\$105,051 \$47.051
3 MIX GLASS	72		φ20,000 (\$46 725)	(\$80,100)	¢+0,541 (\$80 001)	(\$81 710)	۵+/,+/۵ (\$ <u>8</u> 2 527)	(\$82,257)
MIX Plastic 3-7	73		(0+0,723) ¢A	(#80,100) ¢∩	(#00,901) ¢A	(401,/10) ¢n	(402,327) ¢A	(40 <i>3,332)</i> ¢n
Total Commodity Revenues	74		<u>ታሀ</u> \$38/1 671	650/127	666 031	<u>90</u> 672 601	<u>90</u> 679 /19	686 212
Revenues per Top	75		\$72.67	\$72.67	\$72.67	\$72,671	\$72.67	\$23.67
	15		φ23.07	φ23.07	φ23.07	φ23.07	φ23.07	φ23.07

				Usag	e Assumption	s & Projected	Rate Adjustm	ents
			Usage	1.00%	1.00%	1.00%	1.00%	1.00%
			Rate	8.25%	0.00%	0.00%	0.00%	0.00%
		CURB IT!	New Customers	750	750	750	750	750
	1	Budget	Budget	Projected	Projected	Projected	Projected	Projected
		FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
<u>Financial Metrics</u>								
Processing Cost per Ton	76		\$221.72	\$122.20	\$124.62	\$127.09	\$129.61	\$132.17
Debt Service Cost per Ton	77		<u>\$70.94</u>	<u>\$46.77</u>	<u>\$51.70</u>	<u>\$57.44</u>	<u>\$56.94</u>	<u>\$56.36</u>
Total Cost per Ton	78		\$292.65	\$168.97	\$176.32	\$184.53	\$186.55	\$188.53
Commodity Revenue per Ton (MWA)	79		\$24.19	\$24.19	\$24.19	\$24.19	\$24.19	\$24.19
Commodity Revenue per Ton (DSM)	80		\$22.59	\$22.59	\$22.59	\$22.59	\$22.59	\$22.59
Commodity Revenue per Ton (Total)	81		\$23.67	\$23.67	\$23.67	\$23.67	\$23.67	\$23.67
Total Cost per Ton	82		\$292.65	\$168.97	\$176.32	\$184.53	\$186.55	\$188.53
Commodity Revenue per Ton (Total)	83		(\$23.67)	<u>(\$23.6</u> 7)	<u>(\$23.6</u> 7)	<u>(\$23.6</u> 7)	<u>(\$23.6</u> 7)	<u>(\$23.6</u> 7)
Net Processing Cost per Ton	84		\$268.99	\$145.31	\$152.66	\$160.87	\$162.88	\$164.87
CURB IT! Count	85		99,330	100,080	100,830	101,580	102,330	103,080
Des Moines Rate per Ton	86		\$85.00	\$92.01	\$92.01	\$92.01	\$92.01	\$92.01
Curb It! Fee - Res Collection (non Fuel)	87	\$2.19	\$2.21	\$2.21	\$2.21	\$2.21	\$2.21	\$2.21
Curb It! Fee - Res Collection (Fuel)	88	\$0.52	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50
Curb It! Fee - Res Processing	89	\$0.74	<u>\$1.18</u>	\$1.28	\$1.28	\$1.28	\$1.28	\$1.28
Curb It! Fee Residential (Total)	90	\$3.45	\$3.89	\$4.21	\$4.21	\$4.21	\$4.21	\$4.21
Revenues			:					
MRF Recycling Revenue	91	\$12 500	\$384 671	\$659 437	\$666.031	\$672 691	\$679 418	\$686 212
CURB IT! Revenues	92	\$3.800.000	4.636.724	\$5.057.152	\$5.095.051	\$5,132,949	\$5.170.847	\$5.208.746
City of Des Moines Revenues	93	\$2,000,000	1.381.590	\$2,563,836	\$2,589,475	\$2.615.369	\$2.641.523	\$2,667,938
Out of Area Revenues	94	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Miscellaneous Recycing Revenues	95	\$22,350	\$27,000	\$27,000	\$27,000	\$27,000	\$27,000	\$27,000
Total Revenues	96	\$3,834,850	\$6,429,986	\$8,307,425	\$8,377,556	\$8,448,010	\$8,518,789	\$8,589,896
Year over Year % Change in Revenues	97	0.0%	0.0%	29.2%	0.8%	0.8%	0.8%	0.8%
Operating Expenses	98			3%	3%	3%	3%	3%
Personnel Expenses	99	\$61,676	\$1,518,250	\$1,563,798	\$1,610,711	\$1,659,033	\$1,708,804	\$1,760,068
Operating Expenses	100	\$1,105,445	\$1,159,667	\$887,603	\$914,231	\$941,657	\$969,907	\$999,004
CURB IT! Hauling Expenses	101	\$3,500,000	\$3,230,212	\$3,254,602	\$3,278,992	\$3,303,382	\$3,327,772	\$3,352,162
General & Administrative Expenses	102	\$243,307	\$925,850	\$953,626	\$982,234	\$1,011,701	\$1,042,052	\$1,073,314
Other Income & Expenses	103	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Total Expenses	104	\$4,910,428	\$6,833,978	\$6,659,627	\$6,786,168	\$6,915,773	\$7,048,535	\$7,184,548
Year over Year % Change in Expenses	105	0.0%	0.0%	-2.6%	1.9%	1.9%	1.9%	1.9%
Net Income (Loss)	106	(\$1,075,578)	(\$403,993)	\$1,647,798	\$1,591,389	\$1,532,237	\$1,470,254	\$1,405,349
Add: Depreciation	107	\$0	\$245,000	<u>\$</u> 245,000	<u>\$2</u> 45,000	<u>\$2</u> 45,000	<u>\$2</u> 45,000	<u>\$2</u> 45,000
Revenue Available for Debt	108	(\$1,075,578)	(\$158,993)	\$1,892,798	\$1,836,389	\$1,777,237	\$1,715,254	\$1,650,349
Transfer to Debt Service	109	1,003,583	1,153,000	1,303,250	1,455,000	1,632,750	1,634,750	1,634,250
Bond Proceeds	110	(00.070.1(1)	(01 211 002)	Ø500 540	¢201 200	¢144 407	000 504	¢16000
Revenue Available for Capital	111	(\$2,079,161)	(\$1,311,993)	\$389,348	\$381,389	\$144,487	\$80,504	\$16,099
Capital & Equipment	112	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Surplus/(Deficit)	113	(\$2,079,161)	(\$1,311,993)	\$589,548	\$381,389	\$144,487	\$80,504	\$16,099
Capital Outlays	114	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	115							
Total Capital & Equipment	116	-	-	-	-	-	-	-

				Usag	e Assumption	s & Projected	Rate Adjustm	ents
			Usage	1.00%	1.00%	1.00%	1.00%	1.00%
			Rate	-9.50%	0.00%	0.00%	0.00%	0.00%
		CURB IT	[! New Customers	750	750	750	750	750
		Budget	Budget	Projected	Projected	Projected	Projected	Projected
		FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Not Duine (In charles Transmouthties Cost)		<u></u>		i I				
Net Price (Includes Transportation Cost)	24		¢ 22.70	\$22.70	\$22.70	\$22.70	\$22.70	\$22.70
	34 25	I I I	φ 52.19 Φ96.45	\$32.79 \$96.45	\$32.19 \$96.15	\$32.19 \$96.15	\$32.19 \$96.15	\$32.19 \$86.45
Aluminum Powerego Cong (LIPC)	35	1	\$00.43 \$1 194 26	\$00.43 \$1 194 26	\$00.43 \$1 194 26	\$00.43 \$1 194 26	\$00.43 \$1 194 26	\$00.43 \$1 194 26
STEEL /TIN	30	 	\$1,104.20 \$172.21	\$1,104.20 \$172.21	\$1,104.20 \$172.21	\$1,104.20 \$172.21	\$1,104.20 \$172.21	\$1,104.20 \$172.21
SIEEL/IIN DET	3/		\$1/2.51 \$252.19	\$1/2.51	\$1/2.51 \$252.19	\$1/2.51 \$252.19	\$1/2.51 \$252.19	\$1/2.51 \$252.19
FEI HIDE NATUDAI	20		\$233.10 \$259.65	\$233.18	\$255.16	\$255.18 \$259.65	\$255.16 \$259.65	\$255.10
IDPE NATURAL	39	ĺ	\$030.03 \$254.55	\$030.03 \$254.55	\$030.03 \$254.55	\$030.03 \$254.55	\$030.03 \$254.55	\$030.03 \$254.55
ADPE COLOR	40		\$354.55	\$354.55	\$334.33	\$334.33	\$334.33	\$354.55
3 MIX GLASS	41	1	(\$12.07)	(\$12.07)	(\$12.07)	(\$12.07)	(\$12.07)	(\$12.07)
MIX Plastic 3-/	42		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Not Commodity Poyonyos		1						
Net Commodity Revenues		1		1				
Metro waste waste Authority	42		¢1/4 010	¢202.545	¢205 271	\$200 225	¢201 107	¢204.010
Mixed Paper	43	l	\$104,818	\$282,545	\$285,371	\$288,225	\$291,107	\$294,018
	44		\$194,854	\$334,036	\$337,376	\$340,750	\$344,158	\$347,599
Aluminum Beverage Cans (UBC)	45	1 	\$99,478	\$170,534	\$172,239	\$173,961	\$175,701	\$177,458
STEEL/TIN	46	1	\$34,978	\$59,963	\$60,562	\$61,168	\$61,780	\$62,397
PET	47		\$102,793	\$176,216	\$177,978	\$179,758	\$181,555	\$183,371
HDPE NATURAL	48	1	\$120,211	\$206,076	\$208,136	\$210,218	\$212,320	\$214,443
HDPE COLOR	49		\$54,601	\$93,602	\$94,538	\$95,483	\$96,438	\$97,402
3 MIX GLASS	50	Ì	(\$15,629)	(\$26,793)	(\$27,061)	(\$27,332)	(\$27,605)	(\$27,881)
MIX Plastic 3-7	51	1	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Total Commodity Revenues	52	1	\$756,104	1,296,178	1,309,140	1,322,231	1,335,453	1,348,808
Revenues per Ton	53	i 	\$69.33	\$69.33	\$69.33	\$69.33	\$69.33	\$69.33
City of Des Moines		1		i I				
Mixed Paper	54	! 1	\$81,261	\$139,305	\$140.698	\$142,105	\$143.526	\$144.961
OCC	55	1	\$82,904	\$142,121	\$143.542	\$144,978	\$146.427	\$147.892
Aluminum Beverage Cans (UBC)	56	1	\$49,739	\$85,267	\$86,119	\$86.981	\$87.850	\$88.729
STEEL/TIN	57		\$19,298	\$33,083	\$33,414	\$33,748	\$34,085	\$34 426
PET	58		\$40,763	\$69,879	\$70,578	\$71,283	\$71,996	\$72,716
HDPF NATURAL	59	ĺ	\$54,095	\$92 734	\$93,661	\$94 598	\$95 544	\$96 499
HDPE COLOR	60	1 	\$24,819	\$42 546	\$42,972	\$43,401	\$43,835	\$44 274
3 MIX GLASS	61	1	(\$6,928)	(\$11.876)	(\$11,995)	(\$12,115)	(\$12,236)	(\$12,358)
MIX Plastic 3-7	62	1	(\$0,520) \$0	\$0	\$0	\$0	\$0	(\$12,556)
Total Commodity Revenues	63		\$345 951	593.059	598 989	604979	611.029	$617\ 139$
Revenues per Ton	64	1	\$64.69	\$64.69	\$64.69	\$64.69	\$64.69	\$64.69
Revenues per ron	••	<u> </u>	<i>\\</i> 01.09	\$0 H.05	<i>QOINO</i>	<i>QOINO</i>	<i>QOINO</i>	\$0 HO
<u>Total</u>				l				
Mixed Paper	65	İ	\$246,079	\$421,850	\$426,069	\$430,330	\$434,633	\$438,979
OCC	66		\$277,758	\$476,157	\$480,919	\$485,728	\$490,585	\$495,491
Aluminum Beverage Cans (UBC)	67	r I	\$149,217	\$255,800	\$258,358	\$260,942	\$263,551	\$266,187
STEEL/TIN	68	1 1 1	\$54,277	\$93,046	\$93,976	\$94,916	\$95,865	\$96,824
PET	69	1	\$143,555	\$246,095	\$248,556	\$251,041	\$253,552	\$256,087
HDPE NATURAL	70		\$174,306	\$298,810	\$301,798	\$304,816	\$307,864	\$310,942
HDPE COLOR	71		\$79,420	\$136,148	\$137,509	\$138,884	\$140,273	\$141,676
3 MIX GLASS	72	l	(\$22,557)	(\$38,669)	(\$39,056)	(\$39,446)	(\$39,841)	(\$40,239)
MIX Plastic 3-7	73	İ	\$0	İ \$0	\$0	\$0	\$0	\$0
Total Commodity Revenues	74	1 	\$1,102,055	1,889,237	1,908,129	1,927,210	1,946,482	1,965,947
Revenues per Ton	75	I	\$67.80	\$67.80	\$67.80	\$67.80	\$67.80	\$67.80
· · · · · · · · · · · · · · · · · · ·								

				Usag	e Assumption	s & Projected	Rate Adjustm	ents
			Usage	1.00%	1.00%	1.00%	1.00%	1.00%
			Rate	-9.50%	0.00%	0.00%	0.00%	0.00%
		CURB IT!	New Customers	750	750	750	750	750
		Budget	Budget	Projected	Projected	Projected	Projected	Projected
		FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Financial Metrics								
Processing Cost per Ton	76		\$221.72	\$122.20	\$124.62	\$127.09	\$129.61	\$132.17
Debt Service Cost per Ton	77		<u>\$70.94</u>	<u>\$46.77</u>	<u>\$51.70</u>	<u>\$57.44</u>	<u>\$56.94</u>	<u>\$56.36</u>
Total Cost per Ton	78		\$292.65	\$168.97	\$176.32	\$184.53	\$186.55	\$188.53
Commodity Revenue per Ton (MWA)	79		\$69.33	\$69.33	\$69.33	\$69.33	\$69.33	\$69.33
Commodity Revenue per Ton (DSM)	80		\$64.69	\$64.69	\$64.69	\$64.69	\$64.69	\$64.69
Commodity Revenue per Ton (Total)	81		\$67.80	\$67.80	\$67.80	\$67.80	\$67.80	\$67.80
Total Cost per Ton	82		\$292.65	\$168.97	\$176.32	\$184.53	\$186.55	\$188.53
Commodity Revenue per Ton (Total)	83		(\$67.80)	(\$67.80)	(\$67.80)	(\$67.80)	(\$67.80)	(\$67.80)
Net Processing Cost per Ton	84		\$224.85	\$101.17	\$108.52	\$116.73	\$118.75	\$120.73
CURB IT! Count	85		99,330	100,080	100,830	101,580	102,330	103,080
Des Moines Rate per Ton	86		\$85.00	\$76.93	\$76.93	\$76.93	\$76.93	\$76.93
Curb It! Fee - Res Collection (non Fuel)	87	\$2.19	\$2.21	\$2.21	\$2.21	\$2.21	\$2.21	\$2.21
Curb It! Fee - Res Collection (Fuel)	88	\$0.52	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50
Curb It! Fee - Res Processing	89	\$0.74	\$1.18	\$1.07	\$1.07	\$1.07	\$1.07	\$1.07
Curb It! Fee Residential (Total)	90	\$3.45	\$3.89	\$3.52	\$3.52	\$3.52	\$3.52	\$3.52
Revenues								
MRE Recycling Revenue	91	\$12 500	\$1 102 055	\$1 889 237	\$1 908 129	\$1 927 210	\$1 946 482	\$1 965 947
CURB IT! Revenues	92	\$3 800 000	4 636 724	\$4 227 920	\$4 259 604	\$4 291 288	\$4 322 972	\$4 354 656
City of Des Moines Revenues	93	\$5,000,000	1,381,590	\$2.143.438	\$2,164.873	\$2,186,521	\$2.208.387	\$2.230.470
Out of Area Revenues	94	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Miscellaneous Recycing Revenues	95	\$22,350	\$27,000	\$27,000	\$27,000	\$27,000	\$27,000	\$27,000
Total Revenues	96	\$3,834,850	\$7,147,369	\$8,287,594	\$8,359,605	\$8,432,019	\$8,504,841	\$8,578,073
Year over Year % Change in Revenues	97	0.0%	0.0%	16.0%	0.9%	0.9%	0.9%	0.9%
Operating Expenses	98			3%	3%	3%	3%	3%
Personnel Expenses	99	\$61,676	\$1,518,250	\$1,563,798	\$1,610,711	\$1,659,033	\$1,708,804	\$1,760,068
Operating Expenses	100	\$1,105,445	\$1,159,667	\$887,603	\$914,231	\$941,657	\$969,907	\$999,004
CURB IT! Hauling Expenses	101	\$3,500,000	\$3,230,212	\$3,254,602	\$3,278,992	\$3,303,382	\$3,327,772	\$3,352,162
General & Administrative Expenses	102	\$243,307	\$925,850	\$953,626	\$982,234	\$1,011,701	\$1,042,052	\$1,073,314
Other Income & Expenses	103	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Total Expenses	104	\$4,910,428	\$6,833,978	\$6,659,627	\$6,786,168	\$6,915,773	\$7,048,535	\$7,184,548
Year over Year % Change in Expenses	105	0.0%	0.0%	-2.6%	1.9%	1.9%	1.9%	1.9%
Net Income (Loss)	106	(\$1,075,578)	\$313,391	\$1,627,967	\$1,573,437	\$1,516,246	\$1,456,306	\$1,393,526
Add: Depreciation	107	\$0	\$245,000	<u>\$245</u> ,000	<u>\$245,000</u>	<u>\$245,000</u>	<u>\$245,000</u>	<u>\$245,000</u>
Revenue Available for Debt	108	(\$1,075,578)	\$558,391	\$1,872,967	\$1,818,437	\$1,761,246	\$1,701,306	\$1,638,526
Transfer to Debt Service	109	1,003,583	1,153,000	1,303,250	1,455,000	1,632,750	1,634,750	1,634,250
Bond Proceeds	110		/* - * · · · · ·	A = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F = F =			A	* * -
Revenue Available for Capital	111	(\$2,079,161)	(\$594,609)	\$569,717	\$363,437	\$128,496	\$66,556	\$4,276
Capital & Equipment	112	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Surplus/(Deficit)	113	(\$2,079,161)	(\$594,609)	\$569,717	\$363,437	\$128,496	\$66,556	\$4,276
				÷ .	÷ -	÷ .	÷ .	± -
Capital Outlays	114	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	115		-		-		-	
Total Capital & Equipment	116	-	-	-	-	-	-	-
Metro Waste Authority Residential Recycling (40) & MRF (45)

High	Commodity	Rates	(Since	August 201	6)
------	-----------	-------	--------	------------	----

				Usage Assumptions & Projected Rate Adjust				ents
			Usage	1.00%	1.00%	1.00%	1.00%	1.00%
			Rate	-40.00%	0.00%	0.00%	0.00%	0.00%
		CURB IT	[! New Customers	750	750	750	750	750
		Budget	Budget	Projected	Projected	Projected	Projected	Projected
		FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Net Price (Includes Transportation Cost)		l		l				
Mixed Paper	34	l	\$95.00	\$95.00	\$95.00	\$95.00	\$95.00	\$95.00
OCC	35		\$170.50	\$170.50	\$170.50	\$170.50	\$170.50	\$170.50
Aluminum Beverage Cans (UBC)	36		\$1,620.00	\$1,620.00	\$1,620.00	\$1,620.00	\$1,620.00	\$1,620.00
STEEL/TIN	37		\$300.00	\$300.00	\$300.00	\$300.00	\$300.00	\$300.00
PET	38		\$380.00	\$380.00	\$380.00	\$380.00	\$380.00	\$380.00
HDPE NATURAL	39	1	\$1,900.40	\$1,900.40	\$1,900.40	\$1,900.40	\$1,900.40	\$1,900.40
HDPE COLOR	40		\$905.00	\$905.00	\$905.00	\$905.00	\$905.00	\$905.00
3 MIX GLASS	41	1	(\$7.00)	(\$7.00)	(\$7.00)	(\$7.00)	(\$7.00)	(\$7.00)
MIX Plastic 3-7	42		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Net Commodity Revenues								
Metro Waste Waste Authority	42		¢ 477 470	¢010.5 0 0	\$0 0 (705	\$924.072	¢0.42.222	0051 755
Mixed Paper	43	l	\$4//,4/0	\$818,520	\$826,705	\$834,972	\$843,322	\$851,/55
	44		\$384,307	\$658,812	\$665,400	\$672,054	\$6/8,//5	\$685,562
Aluminum Beverage Cans (UBC)	45		\$136,080	\$233,280	\$235,613	\$237,969	\$240,349	\$242,752
STEEL/TIN	40		\$60,900	\$104,400	\$105,444	\$106,498	\$107,563	\$108,639
PET LIDDE NATURAL	4/	1 1 1	\$154,280	\$264,480	\$267,125	\$269,796	\$272,494	\$275,219
HDPE NATURAL	48	1	\$200,030	\$450,090	\$400,057	\$405,204	\$409,910	\$4/4,015
ADPE COLOR	49		\$139,370	\$238,920	\$241,309	\$245,722	\$240,100	\$248,021
5 MIX GLASS MIX Directio 2, 7	5U 51		(\$9,005)	(\$15,540)	(\$15,695)	(\$15,852)	(\$10,011)	(\$10,1/1)
Total Commodity Payanuas	51		\$1 600 308	$\frac{90}{2758068}$	<u>30</u> 2 786 558	2 814 423	2 842 567	2 870 003
Revenues per Ton	53		\$1,009,398	\$147 57	\$147.57	\$147 57	\$147.57	\$147 57
	00	1	φ117.57	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	φ117.57	<i>Q</i> 111131	φ117.57	<i></i>
City of Des Moines								
Mixed Paper	54	İ	\$235,410	\$403,560	\$407,596	\$411,672	\$415,788	\$419,946
OCC	55		\$163,510	\$280,302	\$283,105	\$285,936	\$288,795	\$291,683
Aluminum Beverage Cans (UBC)	56	1 	\$68,040	\$116,640	\$117,806	\$118,984	\$120,174	\$121,376
STEEL/TIN	57		\$33,600	\$57,600	\$58,176	\$58,758	\$59,345	\$59,939
PET	58	I I I	\$61,180	\$104,880	\$105,929	\$106,988	\$108,058	\$109,139
HDPE NATURAL	59	1	\$119,725	\$205,243	\$207,296	\$209,369	\$211,462	\$213,577
HDPE COLOR	60	 	\$63,350	\$108,600	\$109,686	\$110,783	\$111,891	\$113,010
3 MIX GLASS	61		(\$4,018)	(\$6,888)	(\$6,957)	(\$7,026)	(\$7,097)	(\$7,168)
MIX Plastic 3-7	62		\$ <u>0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	1 221 502
Preserves yes Ter	63		\$/40,/9/	1,269,937	1,282,637	1,295,463	1,308,418	1,321,502
Revenues per 1 on	64		\$138.52	\$138.52	\$138.52	\$138.52	\$138.52	\$138.52
<u>Total</u>		İ		İ				
Mixed Paper	65	ĺ	\$712,880	\$1,222,080	\$1,234,301	\$1,246,644	\$1,259,110	\$1,271,701
OCC	66		\$547,817	\$939,114	\$948,505	\$957,990	\$967,570	\$977,246
Aluminum Beverage Cans (UBC)	67	i I	\$204,120	\$349,920	\$353,419	\$356,953	\$360,523	\$364,128
STEEL/TIN	68		\$94,500	\$162,000	\$163,620	\$165,256	\$166,909	\$168,578
PET	69	1 1 1	\$215,460	\$369,360	\$373,054	\$376,784	\$380,552	\$384,357
HDPE NATURAL	70		\$385,781	\$661,339	\$667,953	\$674,632	\$681,378	\$688,192
HDPE COLOR	71		\$202,720	\$347,520	\$350,995	\$354,505	\$358,050	\$361,631
3 MIX GLASS	72		(\$13,083)	(\$22,428)	(\$22,652)	(\$22,879)	(\$23,108)	(\$23,339)
MIX Plastic 3-7	73		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Total Commodity Revenues	74		\$2,350,195	4,028,905	4,069,194	4,109,886	4,150,985	4,192,495
Revenues per Ton	75		\$144.59	\$144.59	\$144.59	\$144.59	\$144.59	\$144.59

Metro Waste Authority Residential Recycling (40) & MRF (45)

r

				Usag	e Assumption	s & Projected	Rate Adjustm	ents
			Usage	1.00%	1.00%	1.00%	1.00%	1.00%
			Rate	-40.00%	0.00%	0.00%	0.00%	0.00%
		CURB IT!	New Customers	750	750	750	750	750
	i	Budget	Budget	Projected	Projected	Projected	Projected	Projected
		FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27
Financial Matrics		11202021	11202122	11202220	11202021	11202120	11202020	11202027
Processing Cost per Top	76		\$221.72	\$122.20	\$124.62	\$127.09	\$129.61	\$132.17
Debt Service Cost per Ton	70		\$70.94	\$122.20	\$51.70	\$57.44	\$56.94	\$56.36
Total Cost per Ton	79		\$70.34 \$202.65	\$168.07	\$176.22	\$ <u>97.44</u> \$194.52	<u>\$30.94</u> \$186.55	\$30.30 \$199.52
	/0		\$292.03	\$100.97	\$170.52	\$164.55	\$180.55	\$100.55
Commodity Revenue per Ton (MWA)	79		\$147.57	\$147.57	\$147.57	\$147.57	\$147.57	\$147.57
Commodity Revenue per Ton (DSM)	80		\$138.52	\$138.52	\$138.52	\$138.52	\$138.52	\$138.52
Commodity Revenue per Ton (Total)	81		\$144.59	\$144.59	\$144.59	\$144.59	\$144.59	\$144.59
Total Cost per Ton	82		\$292.65	\$168.97	\$176.32	\$184.53	\$186.55	\$188.53
Commodity Revenue per Ton (Total)	83		<u>(\$144.59)</u>	<u>(\$144.59)</u>	<u>(\$144.59)</u>	<u>(\$144.59)</u>	<u>(\$144.59)</u>	<u>(\$144.59)</u>
Net Processing Cost per Ton	84		\$148.06	\$24.38	\$31.73	\$39.94	\$41.96	\$43.94
CURB IT! Count	85		99,330	100,080	100,830	101,580	102,330	103,080
Des Moines Rate per Ton	86		\$85.00	\$51.00	\$51.00	\$51.00	\$51.00	\$51.00
Curb It! Fee - Res Collection (non Fuel)	87	\$2.19	\$2.21	\$2.21	\$2.21	\$2.21	\$2.21	\$2.21
Curb It! Fee - Res Collection (Fuel)	88	\$0.52	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50
Curb It! Fee - Res Processing	89	\$0.74	\$1.18	\$0.71	\$0.71	\$0.71	\$0.71	\$0.71
Curb It! Fee Residential (Total)	90	\$3.45	\$3.89	\$2.33	\$2.33	\$2.33	\$2.33	\$2.33
Revenues			:					
MDE Decueling Devenue	01	\$12,500	\$2 250 105	\$4.028.005	\$4.060.104	\$4 100 886	\$4 150 085	\$4 102 405
CUPB IT! Devenues	02	\$12,500	4 636 724	\$2,803,041	\$7,007,174	\$7,845,053	\$7,866,050	\$2,887,065
City of Des Moines Pevenues	03	\$5,000,000	1 381 500	\$1,421,064	\$2,624,047	\$1,449,627	\$1,464,124	\$2,887,005 \$1,478,765
Out of Area Pevenues	93	02	1,381,390	\$1,421,004	\$1,435,275	\$1,449,027	\$1,404,124	\$1,478,705
Miscellaneous Recycing Revenues	95	\$22,350	\$27,000	\$27,000	\$27,000	\$27,000	\$27,000	\$27,000
Total Devenues	96	\$3 834 850	\$8 395 500	\$8,280,010	\$8 355 516	\$8.431.566	\$8 508 167	\$8 585 324
Ver over Ver % Change in Devenues	90	\$5,85 4 ,850	\$8,595,509 0.0%	\$0,200,010 1 4%	\$8,555,510 0.0%	\$0, 4 51,500	\$8,508,107	\$0,303,324 0.0%
		0.070	0.070	-1.7/0	20/	20/	20/	20/
Operating Expenses	98		.	3%	3%	3%	3%	3%
Personnel Expenses	99	\$61,676	\$1,518,250	\$1,563,798	\$1,610,711	\$1,659,033	\$1,708,804	\$1,760,068
Operating Expenses	100	\$1,105,445	\$1,159,667	\$887,603	\$914,231	\$941,657	\$969,907	\$999,004
CURB IT! Hauling Expenses	101	\$3,500,000	\$3,230,212	\$3,254,602	\$3,278,992	\$3,303,382	\$3,327,772	\$3,352,162
General & Administrative Expenses	102	\$243,307	\$925,850	\$953,626	\$982,234	\$1,011,701	\$1,042,052	\$1,073,314
Other Income & Expenses	103	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Total Expenses	104	\$4,910,428	\$6,833,978	\$6,659,627	\$6,786,168	\$6,915,773	\$7,048,535	\$7,184,548
Year over Year % Change in Expenses	105	0.0%	0.0%	-2.6%	1.9%	1.9%	1.9%	1.9%
Net Income (Loss)	106	(\$1,075,578)	\$1,561.531	\$1,620,383	\$1,569.348	\$1,515,793	\$1,459.632	\$1,400,777
Add: Depreciation	107	\$0	\$245.000	\$245.000	\$245.000	\$245.000	\$245.000	\$245.000
Revenue Available for Debt	108	(\$1,075,578)	\$1,806,531	\$1,865,383	\$1,814,348	\$1,760,793	\$1,704,632	\$1,645,777
Transfer to Debt Service	109	1,003,583	1,153,000	1,303,250	1,455,000	1,632,750	1,634,750	1,634,250
Bond Proceeds	110							
Revenue Available for Capital	111	(\$2,079,161)	\$653,531	\$562,133	\$359,348	\$128,043	\$69,882	\$11,527
Capital & Equipment	112	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Surplus/(Deficit)	113	(\$2,079,161)	\$653,531	\$562,133	\$359,348	\$128,043	\$69,882	\$11,527
Capital Outlays	114	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	115							
Total Capital & Equipment	116	-	-	-	-	-	-	-

Metro Waste Authority Board

Monthly Board Meeting

June 16, 2021

AGENDA ITEM 17

ITEM:

Approval of Internet and Security Hardware for the Material Recovery Facility.

SUMMARY:

Metro Waste Authority received bids for the internet hardware and security system for the interior and exterior monitoring of the MRF. RSM and Communication Innovators submitted are current vendors for services on site, thus MWA staff requested a bid from both companies.

DISCUSSION POINTS:

RSM submitted a bid for \$126,959 for internet hardware. Communication Innovators submitted a bid for \$85,596 to furnish and install the security system.

STAFF RECOMMENDATION:

Staff recommends approval of the internet and security hardware for the MRF with a combined cost of \$212,555.

BUDGET REQUIREMENTS:

The internet and security hardware are budgeted in the FY 21/22 budget. The funds are available in the Capital Equipment Fund.

ATTACHMENTS:

- RSM Quote
- Communication Innovators Quote

CONTACTS:

Leslie Irlbeck, deputy director, 515-323-6501

112 of 143

RSM US Product Sales LLC U.S Headquarters Chicago, Illinois 60606 United States

Quotation (Open)

Date May 24, 2021 07:55 AM CDT

Expiration Date 06/23/2021

Modified Date May 24, 2021 09:25 AM CDT

Doc # 60529 - rev 1 of 1

Description Cisco Catalyst 9120AXE 9120AXI 3YR 60529

SalesRep Lefman, Ron (P) 888-678-5536

Customer Contact

Etienne, Joel (P) 5153236506 (F) (515) 2449477

jet@mwatoday.com

Customer

Metro Waste Authority (MetroWasteAuthority) Etienne, Joel 300 E. Locust St., Ste. 100 Des Moines, IA 50309 United States (P) (515) 2440021 (F) (515) 2449477

RSM

Ship To Metro Waste Authority Etienne, Joel 300 E. Locust St. Ste. 100 Des Moines, IA 50309 United States (P) 515-323-6506 jet@mwatoday.com

#	Description	Qty	Unit Price	Total
1	Cisco Catalyst 9120AXE Wireless access point - 802.11ac Wave 2, Bluetooth 5.0, 802.11ax - 802.15.4, Bluetooth, Wi-Fi - Dual Band	27	\$799.00	\$21,573.00
2	Cisco Smart Net Total Care Extended service agreement - replacement - 8x5 - response time: NBD 3YR	81	\$65.00	\$5,265.00
3	Cisco Digital Network Architecture Essentials Term License (5 years) - for P/N: C9115AXE-EWC-E-RF, C9115AXI-K-RF, C9120AXI-EWC-B-RF, C9120AXP-EWC-E, C9130AXI-Z	27	\$253.00	\$6,831.00
4	Cisco Aironet 4-Element Patch Self-Identifying Antenna - 6 dBi (for 2.4 GHz), 6 dBi (for 5 GHz) - directional - outdoor, indoor - for Catalyst 9120AXE, 9120AXP	27	\$518.00	\$13,986.00
5	Cisco Catalyst 9120AXI Wireless access point - 802.11ac Wave 2, Bluetooth 5.0, 802.11ax - 802.15.4, Bluetooth, Wi-Fi - Dual Band	9	\$754.00	\$6,786.00
6	Cisco Smart Net Total Care Extended service agreement - replacement - 8x5 - response time: NBD 3YR	27	\$62.00	\$1,674.00
7	Cisco Digital Network Architecture Essentials Term License (5 years) - for P/N: C9115AXE-EWC-E-RF, C9115AXI-K-RF, C9120AXI-EWC-B-RF, C9120AXP-EWC-E, C9130AXI-Z	9	\$253.00	\$2,277.00
8	Cisco Catalyst 9300 Network Essentials - switch - L3 - managed - 48 x 10/100/1000 (UPOE) - rack-mountable - UPOE (822 W)	2	\$7,434.00	\$14,868.00
9	Cisco SMARTnet Solution Support Extended service agreement - replacement - 8x5 - response time: NBD 3YR	6	\$814.00	\$4,884.00
10	Cisco Config 1 Secondary Power Supply Power supply - hot-plug / redundant (plug-in module) - 80 PLUS Platinum - AC 115-240 V - 1100 Watt - for Catalyst 3850- 48F-E, 3850-48F-L, 3850-48F-S	2	\$1,279.00	\$2,558.00
11	Cisco StackWise 480 Stacking cable - 1.6 ft - for Catalyst 3850-24, 3850-48	2	\$68.00	\$136.00
12	Cisco StackPower Power cable - 1 ft - for Catalyst 3750X-12, 3750X-24, 3750X-48	2	\$64.00	\$128.00
13	Cisco Digital Network Architecture Essentials Term License (3 years) - 48 ports - for P/N: C9300-48H-E, C9300-48UB-E, C9300-48U-E, C9300-48UN-E, C9300-48UXM-E, C9300-DNA-E-48=	2	\$716.00	\$1,432.00

# Description	Qty	Unit Price	of 143 Total
14 Cisco SOLN SUPP SW SUBC9300 DNA Essentials 3YR	6	\$51.00	\$306.00
15 Cisco Catalyst 9300 Series Network Module Expansion module - 10 Gigabit SFP+ x 8 - for Catalyst 9300	2	\$1,484.00	\$2,968.00
16 Cisco Rugged SFP SFP (mini-GBIC) transceiver module - GigE - 1000Base-LX, 1000Base-LH - LC single-mode - 1310 nm - for Cisco 3270, 3270 Rugged Integrated Services Router Card; Catalyst ESS9300 Embedded Series	16	\$760.00	\$12,160.00
17 Cisco Integrated Services Router 1121X Router - 8-port switch - GigE - WAN ports: 2	1	\$1,233.00	\$1,233.00
18 Cisco Solution Support Extended service agreement - replacement - 8x7 - response time: next day 1YR	1	\$189.00	\$189.00
19 Cisco Security Smart License - for 1100 Series C1161X-8P, C1161X-8PLTEP; Integrated Services Router 1121	1	\$438.00	\$438.00
20 Cisco Application Experience License - Cisco Smart Licensing	1	\$303.00	\$303.00
21 Cisco Rack mounting kit - for 1100 Series C1161X-8P, C1161X-8PLTEP; Integrated Services Router 1121	1	\$68.00	\$68.00
22 Cisco Wireless cellular modem - 4G LTE Advanced - for Integrated Services Router 1101, 1111, 1112, 1113, 1116, 1117, 1118	1	\$544.00	\$544.00
23 Cisco Catalyst 9200L Network Essentials - switch - L3 - 24 x 10/100/1000 + 4 x Gigabit SFP (uplink) - rack-mountable	4	\$652.00	\$2,608.00
24 Cisco Solution Support Extended service agreement - replacement - 8x5 - response time: NBD 3YR	12	\$141.00	\$1,692.00
25 Cisco Config 5 Secondary Power Supply Power supply - hot-plug / redundant (plug-in module) - AC 100-240 V - 125 Watt - for Catalyst 9200L	4	\$989.00	\$3,956.00
26 Cisco SOLN SUPP SW SUBC9200L Cisco DNA Ess 3YR	12	\$27.00	\$324.00
27 Cisco Catalyst 9124AXI Wireless access point - Bluetooth 5.0 - Bluetooth, Wi-Fi 6 - 2.4 GHz, 5 GHz	4	\$1,545.00	\$6,180.00
28 Cisco Solution Support Extended service agreement - replacement - 8x5 - response time: NBD 3YR	12	\$106.00	\$1,272.00
29 Cisco Digital Network Architecture Essentials Term License (3 years) - for P/N: C9115AXE-EWC-E-RF, C9115AXI-K-RF, C9120AXI-EWC-B-RF, C9120AXP-EWC-E, C9130AXI-Z	4	\$119.00	\$476.00
30 Cisco SOLN SUPP SW SUBAironet CISCO DNA Ess 3YR	12	\$10.00	\$120.00
31 APC Smart-UPS X SMX2000LVNCUS UPS (rack-mountable / external) - AC 120 V - 1.8 kW - 1920 VA - Ethernet 10/100, RS-232, USB - output connectors: 10 - 4U - black - TAA Compliant - for P/N: AR106SH6, AR109SH6, AR112SH6, AR3006, AR3006SP, AR3103, AR3103SP, AR3106, AR3106SP	5	\$1,917.00	\$9,585.00
32 APC Basic Rack-Mount PDU Power distribution strip (rack-mountable) - AC 120 V - 2.4 kW - input: NEMA L5-20 - output connectors: 10 (NEMA 5-20) - 1U - 19" - 12 ft - black - for P/N: AR109SH4, SCL400RMJ1U, SCL500RMI1UC, SCL500RMI1UNC, SMTL1000RMI2UC, SMTL750RMI2UC	1	\$139.00	\$139.00

Subtotal: \$126,959.00

Notes Consultant: Kelly Christians

Priority Next Day (10:30am) - Next Day - Two Day - Ground

Printed Name:

Date:_____

PO # If required:

TO ORDER: Return this signed product quote to the consultant you are working with or fax to Purchasing @ 877.281.9587 or email to: crcpurchasing@rsmus.com

Prices are subject to change and do not include shipping, applicable taxes, site preparation, or installation assistance. Client will be notified of price or product changes.

On receipt of this signed quote, your order will be processed. Please do not pay from this quote, an invoice will be issued against your net terms and applicable sales tax will be applied. All sales are final.

For subscription licensing, unless stated otherwise, customer will be billed for the number of contracted licenses at the unit price of the subscription(s) noted above. Billed monthly with 12-month unit price guarantee.

This quote (Product Quote) for the above-described hardware/software/software service/managed service/application/equipment (each individually a Product and collectively, the Products) and each such Product is subject to the terms and conditions set forth in the applicable master services agreement (MSA) by and between RSM US LLP (formerly known as McGladrey LLP) (RSM) and the Customer identified above (Client) and, if applicable, as amended by RSM and Client in an amendment/addendum to such MSA or in a work order, task order, or statement of work (Statement of Work) issued thereunder with respect to such Product(s). If any support, configuration, implementation, installation, deployment, or other consulting services are to be provided by RSM to Client in conjunction with this Product Quote and/or such Product(s), such services are subject to the terms set forth in such MSA and/or the applicable Statement of Work.



Prepared for:	Prepared by: Cody J. McCormick
Judy Mendenhall	Account No.: 5625
Metro Waste Authority	Phone: 515.244-0021
300 East Locust Street	Job: Metro Waste - MRF Facility Revised 6/10/21
Suite 100	
Des Moines, IA 50309 U.S.A.	

Quantity	Item ID	Description	иом					
Vide	o Surveillance							
1.00	Labor-900-s	Labor Video Surveillance						
6	01048-001	Axis P3807-Pve Outdoor Network Dome 180						
2	0886-001	Axis P3227-Lve Dn Dome Ik10 Out Vf 3.5-10MM						
9	01500-001	Axis P3719-PLE Quad HD x4 sensors						
9	01513-001	Axis T94N01D Pendant Kit Wall Mount						
9	5504-821	Axis T91d61 Wall Mount						
7	5017-641	Axis T91A64 Corner Bracket for Axis Q6032-E						
17	XPP-PLUS-DL	Milestone Xprotect Pro + Device License						
17	Y3XPPPLUSDL	Milestone 3 Year Care Plus Xprotect Pro + Device License						
1	R1.5D-32T-S	Seneca Dat Balto R1.5d 1Ru 32tb Ser19						
17	Per Cable Drop	Per Cable Drop						
1	MISC. MATERIAL	Material						
Acce	ess Control							
1.00	Labor-900-s	Labor-900						
1	S2-NN-E2R-WM	S2 Securit Network Node Blade for 2 Readers						
3	S2-ACM	Securit Access Control Extension Blade 2 Reader 4 Input & 4 Output						
1	S2-SUSP-EXP	Renewal S2 2 Year Term						
1	S2-MNP	S2 Micronode Plus						
8	SY-40NKS-00-00000 0	HID Signo 40 reader, Wall mount, 13.56mHz &125kHz, OSDP/Wiegand, Pigtail, Mobile Ready, BLE						
6	DS160	Bosch request to Exit Pir Grey						
6	GRI-199-12WG-B	REC 1" Dia 3/4"+ Wide GAP Dpdt Brown						
6	MC-180-W	Gri George Door Channel Magnet U.L. Fire Rated White						
2,000	Access- 112110-04-1RL	Access Contol Cable Yellow 1 RI						
1	AQC1822GY1000	West Penn Access Control Composite Cable Indoor/Outdoor						
4.00	Material-900-S	Lock Allowance						

				^{116 of 143} Quote
			No.:	39510
			Date	e: 6/10/2021
Quantity	Item ID	Description	UOM	
100	S2-2000HPGGMN-S9 96045B	S2 iClass Card		
1	MISC. MATERIAL	Material		
			Your Price:	\$85,596.00
			Total:	\$85,596.00
Prices are	e firm until 9/8/20	D21 Terms: Net 20		
Prepare	d by: Cody J. McC	Cormick, cmccormick@gotoci.com	Date: 6	/10/2021
PROJECT S Project Title	COPE STATEMENT e: Metro Waste Autho	ority – MRF Facility Date Prepared: 6/10/21		
Product Sco Communica access Con	ope Description: ation Innovators will f trol system. This sys	furnish and install an extension to the current Milesto stem will meet the needs expressed during project d	one Video surveillance s esign meeting and provi	ystem and S2 ded plans. The

system additions will consist of 17 new cameras and 8 new card readers. Video surveillance cameras will all be Axis Communications and will utilize the latest firmware for a secure connection to Milestone. Access control will be all S2 and use HID card readers.

Project Deliverables:

- 1. Installation of 17 new Axis cameras.
 - a. 9 ea. Axis P3719-PLE per plan
 - b. 6 ea. Axis P3807-PVE per plan
 - c. 2 ea. Axis P3227-LVE per plan
- 2. Installation of a new Milestone server with 17 Licenses to support new cameras.
- 3. Installation of 17 New Cat 6 cables to support new cameras.
- 4. Configuration of all devices in Milestone.
- 5. Installation of 8 new access control locations per plan.
 - a. Access control includes Card Reader, Lock, REX, and Status Switch
- 6. Work with Metro Waste on programming and commissioning of devices.

Project Acceptance Criteria:

1. The new Security installation is configured and accepted by customer.

Project Exclusions:

- 1. Active network components including open network ports to connect devices.
- 2. Pathways to camera and access control locations to be completed by others.
- 3. If cameras are over length (300 ft.), then Fiber will need to be provided for an additional cost.
- 4. Any other systems work not listed above.

Project Constraints:

- 1. Network connectivity between all network locations.
- 2. Network ports are supplied by others
- 3. No PoE network ports available

Project Assumptions:

1. All work to be completed during normal business hours 7:00 a.m. to 3:30 p.m. Monday through Friday

Accepted by: __

Date:

Disclaimer

Duration of Quote and Agreement

This quote is valid until _______. If written acceptance of the terms hereof is not faxed to Communication Innovators, Inc. or postmarked and mailed to Communication Innovators, Inc. on or before said date, this Quote is void and Communication Innovators, Inc. shall not be bound by the terms hereof. Communication Innovators, Inc. will start the project on or about . Communication Innovators, Inc. reasonably expects to complete the project on or about

By signing below, Communication Innovators, Inc. agrees to faithfully perform and be fully bound by the terms hereof if Owner timely accepts same.

Communication Innovators' Inc. By______ Authorized Corporate Representative Date

By signing below, Owner acknowledges he/she/it has read and understands the terms of this Quote, and further expressly agrees to timely pay the quoted price set forth above in accordance with the terms hereof and to otherwise be fully bound by all terms of this Quote and Agreement and Owner acknowledges that he/she/it freely and voluntarily enters into this Quote and Agreement. (Corporate Name of Owner)

Ву_____

Thank you for the opportunity to quote this project.

Offices in: PLEASANT HILL, IA,

FAX #: Pleasant Hill, IA - 515-262-7896, Fax: 515-262-7896

If you choose to pay by Credit Card, there will be a 3% processing/handling fee.

The information provided in this document is proprietary and cannot be shared without prior approval from Communication Innovators and the customer listed above.

118 of 143

Metro Waste Authority Board

Monthly Board Meeting

June 16, 2021

AGENDA ITEM 18

ITEM:

Approval of Wizard and Scale for the Material Recovery Facility (MRF).

SUMMARY:

Metro Waste Authority received a bid from JA King for two scales and a bid from Waste Works for four Wizards for the two scales at the MRF.

DISUCSSION POINTS:

JA King submitted a bid for \$200,638 for two scales which Waste Works submitted a bid for \$77,325.86 for four Waste Wizards, will be tied to the two scales. Both vendors have a long history in working at other Metro Waste Authority facilities. Technology is consistent with software throughout the agency used for reporting and data analysis.

STAFF RECOMMENDATION:

Staff recommends approval of the two scales and four Waste Wizards for the MRF totaling \$277,966.86.

BUDGET REQUIREMENTS:

The two scales and four Waste Wizards are budgeted in the FY 21/22 budget. The funds are available in the Capital Equipment Fund.

ATTACHMENTS:

- JA King Quote
- Waste Wizard Quote

CONTACTS:

Cassie Riley, community relations manager, 515-323-6502

Proposal for New Truck Scales

Metro Waste Authority Material Recovery Facility Communication Thru ISG

508 E. Locust St. | Des Moines, IA 50309

ATTENTION Erik Pingel, ISG Project Coordinator

QUOTATION NUMBER DES-55269

DATE February 19, 2021 (Proposal expires 4-30-21)

PROPOSED BY Brad Johnson | Brad.Johnson@jaking.com | (515) 650-0191 Kevin Evans | Kevin.Evans@jaking.com | (515) 494-3583

Application Background:

MWA working with ISG is in need of two new 80' X 11' concrete deck truck scales to weigh Inbound & Outbound trucks at their new Material Recovery Facility in Grimes, Iowa.

Our Solution:

J.A. King is proposing two Mettler Toledo Model 7531 80' X 11' Concrete Deck Truck Scales.



J.A. King, working with the ISG team, would like to thank you for this opportunity to submit this proposal. With our location in Des Moines, we are closely located to be able to provide MWA with World Class Customer Service as we have provided in the past many years, combined with a quick response time, and expert technical scales training. We look forward to your favorable approval.

Brad Johnson & Kevin Evans Brad.johnson@jaking.com Kevin.evans@jaking.com

Mettler Toledo 7531 80' X 11' Concrete Deck Truck Scale

Equipment:

- Mettler Toledo Model 7531 80' X 11'
- 200,000 lb. Scale Capacity. Thick concrete deck supported by heavy duty I-beams. The structures main I-beams form Integral sides rails that help guide trucks onto the scale safely
- Two Printers TMU590
- Mettler Toledo Model IND780 weighing terminal with Drive Software
- Two Matco SBL4 remote display and display pole
- 10 year warranty POWERCELL PDX Load Cells & Strikeshield Lightning Protection warranty which both include 100% coverage of replacement parts, labor & travel time and mileage
- Homerun cable and Loadcell cable additional cost TBD (will be a add on cost) as need more information on site layout

Cost for (2) Scales Equipment Only\$154,938.00

Regarding Construction as requested we are showing two options for you to determine: Note: Site to be prepped by others per prior ISG conversation.

Construction option 1:

- JA King Construction Crew will do base foundation, setting the scales, and pouring the Deck, footings and scale foundation.
- We are responsible for providing excavation equipment
- Form and pour 4 ea. Wash out slabs between piers.
- Form and pour 2 ea. 10' long concrete approaches level with the scale (required by IA W&M) with turn down edges where no base material is exposed
- Pad for Remote Display Pole.
- Crane for setting scale decks.
- Additional ramp will be billed at \$TBD additional cost if requested.

Construction Total for (2) scales......\$95,000.00

Construction option 2:

• Foundation work done by others; and JA King does Setting the Scales, Pouring the Deck, crane

Construction Total for (2) scales......\$45,700.00

Installation & Calibration

Qty. (2) Calibration of all new equipment.....Included in cost of scale

- Wire test and calibration of scale
- Placing in Service with the State of Iowa
- Start up
- Mettler Toledo Authorized Installation Personnel

Delivery

Qty. (2) Vehicle Scales and Equipment Delivery.....Included in cost of scale

- Scale Delivery via 3rd Party Flatbed
- Applicable Shipping Permits
- Lead time: 5-7 Weeks from Receipt of deposit

Total Investment with Construction Option 1......\$249,938

Total Investment with Construction Option 2......\$200,638

Customer Responsibilities:

- Customer is responsible for all electrical, conduits and cutoff switches
- Customer is responsible for clearing out area for truck turn around.
- Customer is responsible for installation of all conduits and all 115 V.A.C.
- The customer will provide 115 V.A.C. power service for use by J.A. King's Contractor while constructing the foundation and/or installing the scale.
- The above listed pricing is based on excavating in virgin soil or dirt. Any removal of concrete, soil cement, asphalt, etc... will be an additional fee.
- The above listed pricing is based on a standard variable footer foundation as provided by Mettler Toledo. Any deviations to this foundation per the customer will be an additional fee.
- Customer responsible for any buried treasure costs if identified during process

Standard Terms of Agreement

Terms and Conditions: This proposal includes agreement to J.A. King's Standard Terms and Conditions found in the attached Exhibit A section of this document.

Payment Terms:

- 30% of the total quoted project cost, less installation, set-up, and training costs, is due at the time of order.
- 60% of the total quoted project cost, plus any agreed-to customer ordered changes since the time of order, is due before shipment.
- The remaining 10% of the project cost, plus installation, set-up, and training is due upon the completion of the installation and will be invoiced with Net 30 day payment terms.

Customer Approval:

Ship To:	Bill To:	
Address:	Address:	
Approved by (print):		
Signature:		_ Date:
PO # (if using one):		

Exhibit A: Standard Terms & Conditions

Performance

- Foundation will be constructed in accordance with drawings furnished by scale manufacturer.
- Construction to begin as soon as practical after receipt of purchase order and layout of area or as agreed upon by J.A. King and the Purchaser.
- This proposal is based upon the performance of job site work during our regular working days and regular working hours unless otherwise noted.
- If overtime work is performed for any reason other than make-up for delays in progress due to fault on our part, Purchaser agrees to reimburse J.A. King at the applicable overtime labor rates for that time.

<u>Access</u>

- This proposal is based upon free and unobstructed access to the site and with all electrical power and water necessary for our use in performing the work provided by J.A. King at the site.
- If delays are experienced by J.A. King in the course of the work, because of any lack, neglect, or failure of Purchaser or Purchaser's contractors (other than those Contracted by J.A. King directly) to meet their obligations, Purchaser agrees to pay J.A. King for expenses incurred as a result of these delays.
- A man lift, if required for safe installation of peripherals, is to be supplied by others.

Concrete and Forms (IF APPLICABLE)

- All necessary concrete and reinforcing for walls and footings, as well as, concrete for deck and corrugated metal forms for deck, will be provided unless otherwise specified in this quotation.
- All forms and miscellaneous lumber will be supplied by J.A. King, and will remain property of J.A. King.
- A drain will be provided (if applicable) through wall or floor of pit for connection to sump pump.
- Laying of additional tile or connection to sewer, etc. is the responsibility of others.
- Others supply sump pump unless otherwise specified.
- Price does not include (unless specified) any removal or replacement of existing asphalt or concrete.

Soil Conditions and Removal (IF APPLICABLE)

- Removal of previous foundations, or rock formations and relocation of existing utilities will be considered extra work unless otherwise noted.
- Saw cutting and demolition of existing paving materials, pre-grading of site and final grading, and repair of paving courses will not be included unless noted and discussed.
- Price is based on firm soil conditions with a minimum soil bearing (see checklist).
- If other conditions are encountered, there will be an extra charge.
- The purchaser must provide any testing to determine soil capacity.
- If additional fill, additional depth, pilings or other soil preparations must be performed to obtain adequate soil bearing, it will be at the expense of others.

Backfill (IF APPLICABLE)

- This proposal is based upon use of backfill (if done by J.A. King) from earth removed during excavation.
- If this earth is not suitable, or if the purchaser for any reason requires other backfill, purchaser will at his own expense, procure the necessary fill material and deliver to the job site.
- The purchaser will pay for any transportation of soil more than 50 yards from job site.
- Backfill to scale walls does not include any tamping or compacting of earth.
- As much back filling as possible will be done by the crew while at the job site.
- If settling occurs after crew has completed job, it will be the Purchaser's responsibility to provide additional backfilling.
- Purchaser will be responsible at his own risk and expense to provide shoring of any structures, roadways, railroad tracks, etc., which may be endangered by the excavation.
- J.A. King assumes no responsibility for dangers occurring as a result of failure to adequately protect the same.

<u>Labor</u>

- Price includes all necessary labor for construction of foundation and installation of scale, including traveling and expenses.
- Unloading of the scale is included.
- Upon delivery of scale at job site, purchaser shall suitably protect equipment and make it accessible for installation by J.A. King at his own risk and expense.
- Price is based upon use of nonunion field labor.
- If use of union labor is necessary, purchaser shall reimburse the extra cost to J.A. King.

Completion and Delays

- Any time estimate is not a guarantee of completion date and is subject to revision without liability to J.A. King.
- If it becomes necessary in our judgment to adjust this completion due to production or construction material shortages or for the purpose of orderly reconciliation or conflicts in manufacturing, or job site work scheduling or for other reasons, we may do so without liability.
- It is also understood that we shall not be responsible for any delay or default by reason or causes beyond our control, including, but not limited to acts of God, acts of public enemy, acts of federal, state, or local government in their various capacities, fires, floods, inclement weather, epidemics, quarantine restriction, strikes, lockouts, embargoes, car shortage, or delays of subcontractors or supplies due to such causes, or by reason of underground soil conditions or destruction.
- J. A. King reserves the right to alter prices as a result of any of these conditions.

Utilities

- The Purchaser will provide 115 V.A.C. power service for use by J.A. King's Contractor while constructing the foundation and/or installing the scale.
- Buyer will bear any utility costs while on job site.
- Security provisions must be made for all switches, outlets and valves to prevent use by unauthorized personnel.
- When a full electronic scale or mechanical levers with electronic controls are to be installed, it will be the purchaser's responsibility to provide a "clean" regulated 120 V.A.C. +/- 10%, single phase, 60 Hz, at the point of instrument location. It shall be a separate line with no other load, no more than 3 ohms resistance to true ground, and no more than 0.1 V.A.C. between ground and neutral.
- No conduit is included unless otherwise specified, however, a stub-out nipple will be provided (if applicable) through the foundation for connection of the home run conduit.

Permits, Insurance, and Taxes

- J.A. King carries adequate property damage and Workman's Compensation insurance to cover activities while working on-site.
- Purchaser shall be responsible for obtaining and paying for necessary building permits.
- Any bonds, city, state or federal taxes must be added to the quoted price.
- J.A. King will furnish all necessary bonds required to operate in the state where the scale is to be located.



Provides Accurate, Reliable Weights at Low Cost for Over-The-Road Vehicles



METTLER TOLEDO I-Beam Weighbridge Truck Scales

POWERCELL® Load Cells Are Used to Ensure Accurate Weights, Reliable Service

Over-The-Road I-Beam Concrete Deck Product Matrix



Knock down design provides easy shipping

Model	Profile	Width	Length	CLC	Capacity	Cell Type	Duty Cycle	Finish	NTEP COC #
7531	19.5"	10' or 11'	10' to 160'	60,000 lb	200,000 lb*	22.5t POWERCELL	Commercial	Standard	<mark>92-204</mark>
7541	32"	10'	10' to 160'	60,000 lb	200,000 lb*	22.5t POWERCELL	Commercial	Standard	90-046



Two Truckmaster vehicle scale models give you a choice that will meet your exact application needs. Choose the model 7531 for above ground installation or the model 7541 for installation in a pit. Both designs incorporate our POWERCELL® digital transducer technology, the proven ruggedness of a beam structure, and the durability of a reinforced concrete deck for unbeatable long-term accuracy and reliability.

The model 7531 incorporates the main girders as integral side rails for a strong, cost-effective aboveground design. With its 8" thick concrete deck, supported by wide flange main beams, this Truckmaster scale easily handles the heaviest over-the-road traffic without the need for a pit.

The model 7541 installs flush in a pit and is ideal for sites where overhead clearance or restricted space is a concern. Its versatile design allows it to be easily adapted to accept grain dumps or to be installed in existing pits.

The steel reinforced concrete deck is contained within a 6" C-channel deck frame supported by wide flange beams. Depending upon the length of the scale, one or two manholes are provided for easy access to the foundation.

Approvals

TRUCKMASTER scales meet or exceed requirements in accordance with the National Institute of Standards and Technology (NIST) Handbook 44. The Certificate of Conformance (CoC) is identified in the product matrix. These scales have also received Factory Mutual System approval for use in hazardous areas when used with other approved METTLER TOLEDO hazardous area devices.

ISO 9001 This product was developed, produced and



tested in a METTLER TOLEDO facility that has been audited and registered according to international (ISO 9001) quality standards.

For questions on I-beam concrete deck truck scales and technical matters, call your authorized METTLER TOLEDO distributor. Or visit our website: www.mt.com.





M	ettler toledo	Australia Austria	(61) 3 9644 5700 (43-1) 604 1980	(61) 3 9645 3935 (43-1) 604 2880	Korea Malaysia	(82-2) 518-2004 (60-3) 703 2773	(82-2) 518-0813 (60-3) 703 8773	Internet www.mt.com
US/	A & Canada	Belgium	(32-2) 334 0211	(32-2) 378 1665	Mexico	(52-5) 547 5700	(52-5) 541 2228	
190	0 Polaris Parkway	Brazil	(55-11) 421 5737	(55-11) 7295-1692	Netherlands	(31-344) 638363	(31-344) 638390	
Colu	umbus, Ohio 43240	China (Industrial)	(86-519) 6642040	(86-519) 6641991	Norway	(47-22) 30 44 90	(47-22) 32 70 02	Specifications subject to change without notice.
TEL.	. (800) 786-0038	China (Systems)	(86-21) 6485-0435	(86-21) 6485-3351	Poland	(48-22) 651 9232	(48-22) 42 20 01	© 1999 Mettler-Toledo, Inc.
		Croatia	(385-1) 660 3009	(385-1) 660 2189*	Russia	(7-095) 921 9211	(7-095) 921 6353	are trademarks of Mettler-Toledo, Inc.
FAX	(614) 438-4900	Czech Republic	(420-2) 254962	(420-2) 24247583	Singapore	(65) 778 6779	(65) 778 6639	Printed on recycled paper and is recyclable.
1700	(014) 430-4900	Denmark	(45-43) 27 08 00	(45-43) 27 08 28	Slovak Republic	(421-7) 525 2170	(421-7) 525 2173	Printed in USA.
		France	(33-1) 30 97 17 17	(33-1) 30 97 16 16	Slovenia	(38-6) 6123-57 64	(38-6) 6127-4575*	
Hea	adquarters	Germany	(49-641) 50 70	(49-641) 52951	Spain	(34-3) 223 2222	(34-3) 223 0271	15M0599 TRUCK SCALES
860	6 Greifensee	Hungary	(36) 1257 7030	(36) 1256 2175	Sweden	(46-8) 702 50 00	(46-8) 642 45 62	199-TR03187.0E
SWI	zenand	India	(91-22) 857-0808	(91-22) 857-5071	Switzerland	(41-1) 944 45 45	(41-1) 944 45 10	
TEL.	(41-1) 944 22 11	Italy	(39-2) 333321	(39-2) 356-2973	Taiwan	(886-2) 579-5955	(886-2) 579-5977	
FAX	(41-1) 944 30 60	Japan	(81-6) 949-5901	(81-6) 949-5944	Thailand	(66-2) 719 6480	(66-2) 719 6479	
		Kazakhstan	(7-3272) 50 63 69	(7-3272) 60 88 35	United Kingdom	(44-116) 235 7070	(44-116) 236 6399	
							*Ack for EAV	



REV	CHANGE	8Y	DATE	SCALE .02
A	UPDATED REBAR LENGTHS	JEB	9/28/98	
8	ITEM 30 WAS TN201244, ITEM 35 QTY WAS 8	DAH	2/2/99	DRN JEB APPD US
C	STANDARDIZED NOTES, UPDATED DETAIL VIEWS	MT	03/21/00	TITLE 7531KD, B, 80' X 11', GENERAL LAYOUT AND KOP
0	REPLACED POWERCELL (ITEM#9) WITH MTX	MEB	02/26/08	
				UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES, AND DIMENSIONAL TOLERANCES ARE: FOACTIONAL DECIMAL ANCH AR
				*1/32 .XX ±.02 ±.5° TC203666 PEV D

TC203666-1

TC100495-4

*15476400A

TA203616

TA203617

TB203631

	CHANGE	nan ang kanang kang kang kang kang kang	BY	DATE	SCALE .02	ARTTICO TAICA		
	11'-4 1/2"	1094	** MANI NUMBEH DEMENDO UN INE ITRE UN FINION.					
СК З'-6" 117		117	* LETTER PREFIX REPRESENTS PRODUCT REVISION LEVEL.					
11'-2" 1279				711155521///////////////////////////////	MAJOR BI	LL OF MATERIAL	94692	
	9'-5" 865		[SCORE	
	LENGIH	NG1	TTEM	I RTY	PART NUMBER	DESCRIPTION	eolohite	
× 1/2		110	1	5	TB203624-00B	20'X11' MAIN BEAM, END, LEFT	0400	
			2	2 .	TB203625-00B	20'X11' MAIN BEAM, END, RIGHT	Repa	
			3	1	TB203622-00A	20'X11' MAIN BEAM, MID, LEFT		
STM A-615 GRADE 60)			4	1	TB203623	20'X11' MAIN BEAM, MID, RIGHT	2000	
=T.)	900		5	1	TB203630	20'X11' MAIN BEAM, MID, LEFT, TBAF	i i	

9

8

7

-6

10

BT1

QUANTITY

51

3355



1770-1270-1270-1270-1270-1270-1270-1270-				
41	2	TN203217	LUBRICANT, LOADCELL-RECEIVER	
40	12	MZ0901030062	5/8" FLAT WASHER F436	
39	4	MZ0901020066	5/8-11 HEX NUT GR8 ZN	
38	4	MZ0901010506	5/8-11 X 1-3/4 HHCS A-325 ZN	
37	4	TA200357-3	SLOTTED SHIM 22 GA (.031)	
36	4	TA200357-2	SLOTTED SHIM 16 GA (.062)	
35	4	TA200357-1	SLOTTED SHIM 11 GA (.125)	
34	38	TN203216	ANCHOR BOLTS	
33	1	TN203056	CONNECTOR DIELECTRIC COMPOUND	
32	1	TB202627	CONNECTOR CLEANER	
31	1	**	TOUCHUP PAINT KIT	
30	30	MZ0901030111	3/4" PLAIN WASHER ZINC PLATED	
29	10	MZ0904000063	Ø1/2 X 1-1/2 LG. ROLL PIN	
28	10	TA203619	LOAD CELL BASE PLATE	
27	2	TA201886-2	EMT CONDUIT ASSEMBLY, 141" LONG	
26	4	TA203669	SIDE BUMPER BRACKET ASSY.	
25	. 10	TA200814	LOWER RECEIVER	
24	6	TA200801-3	SIDE SHIM 16 GA	
23	6	TA200801-2	SIDE SHIM 11 GA	
22	6	TA200801-1	SIDE SHIM 1/4	
21	10	TA200764	UPPER RECEIVER	
20	10	TA200712-3	RECEIVER SHIM 7 GA	
19	20	TA200712-2	RECEIVER SHIM 16 GA	
18	20	TA200712-1	RECEIVER SHIM 11 GA	
17	6	MZ0901050006	TIE ROD 1 1/4-7 X 24	
16	98	MZ0901030109	1" WASHER F436 ZN	
15	12	MZ0901030015	1 1/4 FLAT WASHER	
14	24	MZ0901020068	1 1/4-7 HEX NUT	
13	50	MZ0901020062	1-8 HEX NUT GR8 ZN	
12	50	MZ0901010505	1-8 X 3 HHCS GR8 ZN	
11	14	MZ0901010239	10-32 X 3/4 SS SCREW	
10	10	TN203705	BOOT (WITH MTX LOAD CELL)	
ITEM	GTY	PART NUMBER	DESCRIPTION	
	fantalistanon yn de fan de fan de fan de fan de fan de fan de fan de fan de fan de fan de fan de fan de fan de	KIT OF PA	RTS: TC203666-1	

INSTALLATION KIT

CROSS BEAM END

CROSS BEAM MIDDLE

MTX LOAD CELL 25mt CAPACITY

20'X11' MAIN BEAM, MID, RIGHT, TBAR

WIRING KIT

N/aste	WORKS
vvaoce	

Carolina Software, Inc. Phone: 910-799-6767 - Fax: 910-799-1177 PO Box 3097 - Wilmington, NC - 28406 www.wasteworks.com Page 1 of 2 WasteWIZARD

Proposal # ER44267

WasteWORKS for Solid Waste Management			
Estimate for WasteWIZARD kiosk (stainless)(keypad entry)			
For: Metro Waste, IA			Updated
Erik Pingel			3/12/2021
erik.pingel@ISGinc.com <erik.pingel@isginc.com></erik.pingel@isginc.com>			
Castion 4 WestsWIZADD Caffuers and Hardware			
Section 1 - Wastewizard Software and Hardware -	Linit Price	Otv	Ext Drice
WasteWORKS-SQL Additional Site License (includes Sync)	\$4 950 00	Q(y) 1	\$4 950 00
WasteWORKS Support is \$300/quarter	\$ 1,000100	-	\$ 1,000.00
WasteWIZARD License	\$3,000.00	4	\$12,000.00
WasteWIZARD Support and Maintenance is \$100/quarter/lane (\$400/quarter tota	al)		
(WasteWIZARD Kiosk Hardware(Stainless model))			
Keypad with backlit display	\$677.05	4	\$2,708.20
Sun Shield for Keypad	\$325.87	4	\$1,303.48
Proximity Card Reader	\$575.87	0	\$0.00
Proximity Cards	\$6.02	0	\$0.00
Digi PortServer TS 4 port server device (one for each box)(printers/scales)	\$699.00	4	\$2,796.00
Digi PortServer TS 2 port server device (connect scales to network)	\$575.50	2	\$1,151.00
IP Intercom System- Base Station, Controller and Door Mounted Remote	\$1,732.50	4	\$6,930.00
WasteWORKS PLC Controller for Red/Green Klosk lights and gate	\$587.50	4	\$2,350.00
Relay for Gate	\$100.00	4	\$400.00
Stainless Steel 20x20x12 enclosure	\$1,386.96	4	\$5,547.84
Electric Heater/Fan for Enclosure 200W (with Inermo/Hygrostat)	\$450.00	4	\$1,800.00
Custom white powder coated steel 20x20x12 enclosure	\$1,386.96	0	\$0.00
Electric Fan with Fliter for Enclosure	\$450.00	0	\$0.00 \$0.00
Salvanized Flanges for mounting (box and noor nange) (in needed)	\$79.50 ¢950.00	0	00.00¢
Swing-Away Hood: 4 sided	\$850.00 ¢625.00	4	\$3,400.00 \$3,500.00
Swillg-Away Hood Post	\$025.00 ¢2.000.00	4	\$2,500.00
Build Wizard box and install components	\$2,000.00	4	\$6,000.00
Kinsk ticket printer (Telpar)	\$787.50	4	\$4,000.00 \$3,150.00
Printer Shroud	\$125.00	4	\$500.00
Inside Serial Printer (Star TS700)	\$586.67		\$1 173 34
Shipping (hardware to shop from vendors- and to job site)	\$3,000.00	1	\$3,000.00
(Subtotal Section 1- Vendor Software and Hardware Cost)			\$67,659.86
Section 2: Optional WasteWORKS Vision (may be added later)			
(Optional WasteWORKS Vision)(Support is \$50/lane/quarter (total: \$100))			
WasteWORKS Vision Image Capture Software (per lane)	\$1,000.00	2	\$2,000.00
WasteWORKS Vision Camera (outdoor, vari-focal, bullet camera)	\$499.00	4	\$1,996.00
WasteWORKS Vision Video Server (converts video signal to IP)	\$427.50	4	\$1,710.00
Totals - Optional WasteWORKS Vision Image Capture System (single came	ra)		\$5,706.00
Section 2: Installation and Training			
Remote Assistance	\$990.00	4.00	\$3,960.00
On-site installation & training	\$990.00	0.00	\$0.00
Meals and lodging per diem	\$200.00	0.00	\$0.00
Mileage	\$0.545	0	\$0.00
(Subtotal Section 3 - Installation and Training Cost)			\$3,960.00
Grand Totals - WasteWIZARD Installed		=	\$77,325.86

Page 2 of 2

OPTIONAL:

Additional training days @ \$990/day plus per diem, if needed

Terms: Payment in full for hardware due in advance- prior to placement of order.

Mileage/Airfare will be billed at actual (if applicable)

We will install the newest version of WasteWORKS for Windows on your computers (if applicable)

We will provide training for all applicable WasteWORKS functions (if applicable)

We will assist with connection between scale and computer(s) if needed

Prices do not include shipping or sales tax, if any Does not include prices for any additional hardware that may be needed

This is an estimate.

Installation and training to be invoiced upon completion.

We will install PCAnywhere for data transfer and dial-up support. (if needed/may be provided by customer) Software is not custom.

Software is not custom.

Customer to provide PC's to spec including any network connections required.

Customer to provide adequate UPS protection for all powered devices.

(WasteWIZARD)

Box Mounting and Wiring

WasteWIZARD comes standard with keypad interface for vehicle identification.

We will provide drawings and specs for WasteWIZARD box mounting.

Customer (or other contractor (scale company/electrician)) to provide for mounting and wiring of WasteWIZARD enclosures. Customer (or other) to provide protective bollards to protect WIZARD box (if not installed in standard Swing-Arm system) WasteWIZARD Box(es) to be mounted by customer prior to installation date Recommended WasteWIZARD Mounting - *Site study should be conducted for precise placement, based on average vehicle height of

of main automation population. Customer or contractor responsible selection appropriate mounting location. Documentation provided with general specifications for mounting. See accompanying documents.

(the following is standard connectivity for WasteWIZARD. The County should provide electrical to box and network connectivity to the desired mounting area)

Customer (or other) to provide (separate) electrical and data conduits for WIZARD (EACH box)- to include:

- Electrical (each lane): 20 Amp/120V Service to power connection. See inside of door for connection diagram.

- Customer to provide fiber connection to each Wizard box. (Fiber) Media converter required for fiber connections. Customer to provide fiber terminations (ST) in WasteWZARD box and in scale house (customer to provide fiber swith in scale house).

- Intercom: IP intercom provided. Dedicated IP required.
- Switch/Media converter provided with WasteWIZARD enclosure. Customer to provide terminations.

Lane Control and Vision Notes

Customer or other responsible for installing and mounting gates(if any) and power/wiring for gate equipment. Customer or other responsible for running gate wires and making connections to Wizard box. WasteWORKS Vision is intended as a WasteWORKS enhancement. Carolina Software cannot guarantee that every transaction will be accompanied with one or more stored WasteVision pictures and cannot guarantee that the photo captured provides detailed images of every driver or license plate. WasteWORKS Vision provides printed warnings for 'off-line' cameras.

Carolina Software will provide replacements for any 'dead on arrival' hardware. All warranties for hardware are provided by the manufacturer. Warranty and support information provided on existing WasteWORKS License Agreement. All hardware is brand new, tested, and pre-configured by Carolina Software (where applicable.)

		Shipping Address:	
Approved by:			
Title			
Date	PO Number		

Metro Waste Authority Board

Monthly Board Meeting

June 16, 2021

Agenda Item 19

ITEM:

Approval of the Build Agreement with Split Rock Studios for the Material Recovery Facility (MRF) Education Center exhibits.

SUMMARY:

Following Metro Waste Authority's Design Agreement for exhibit partnership, we are at the next phase of exhibit creation, which is the build agreement. The scope of work for this next and final phase is pre-production, production, installation, and warranty.

DISCUSSION POINTS:

The exhibits will highlight commodities, demonstrate the impact of contamination, and display the process of accurate sorting and resale of commodities. The exhibit was designed and will be built in order to:

- Provide a hands-on destination for learning
- Appeal to a broad range of audiences
- Offer a variety of ways to learn
- Reinforce recycling guidelines and promote accurate recycling habits
- Make recycling education approachable
- Provide value to educators across Iowa
- Extend our general passion for education

STAFF RECOMMENDATION:

Staff recommends approval of the build agreement with Split Rock Studios to finalize exhibit design for a total of \$228,055.00

BUDGET REQUIREMENTS:

The Education Center at the MRF is a budgeted project in FY 21-22 Capital Expenses.

ATTACHEMENT:

Build Agreement for the MRF Education Center Exhibits

CONTACT:

Chelsie Oxenford, business marketing coordinator, 515-323-6508

AGREEMENT

THIS AGREEMENT is entered into this 25th day of June, 2021 between Metro Waste Authority, hereinafter referred to as "Owner," and Sommerville-Wilson, Inc. d/b/a Split Rock Studios, St. Paul, Minnesota, hereinafter referred to as "SRS."

Owner agrees to engage SRS, and SRS hereby accepts such engagement from Owner, to pre-produce, fabricate, and install the Education Center Exhibits at 4105 SE Beisser Drive, Grimes, IA 50111, as described in the "Scope of Work", Attachment "A", upon the following terms and conditions.

1. Pre-Production, Production Shipping and Installation.

Upon approval by the Owner, SRS shall commence pre-production, then production of the Exhibit. The Exhibit shall include all components identified within approved line-item estimate at end of Design Development. Pre-production, production, installation will be supervised by SRS project managers and the lead builder, who may engage subcontractors as deemed necessary and appropriate. All Exhibit production work is exclusive to SRS and will be performed by SRS employees except as appropriate. Installation of the Exhibit as described in Attachment A shall be undertaken by SRS under the supervision of its own personnel.

Upon performance of the production and installation, SRS shall provide the Owner with a complete set of construction drawings, maintenance and cleaning instructions, and product information. Production and installation shall be completed in accordance with the "Project Schedule", Attachment "B", as modified during the project. See Attachment "A" for scope of work.

2. <u>Title.</u>

Title to all work and any materials incorporated therein shall pass to the Owner upon delivery to the Owner or upon payment, whichever occurs first. Title to partially completed work shall pass at the time of any payment by the Owner for the percentage of work completed as of the date of such payment. SRS shall, at the request of the Owner, execute such instruments as may be reasonably necessary to effectuate these terms.

3. Warranties.

SRS hereby provides warranties as follows:

- a. SRS warrants a one (1) year guaranty of workmanship from the date of substantial completion of installation for all exhibits and mechanical devices supplied as a part of this Agreement.
- b. SRS warrants that the materials and equipment furnished pursuant to this Agreement will be of high quality, free from defects, and new unless otherwise required or permitted, that the work will conform to the requirements of all contract documents, and will be of such quality so as to pass without objection by the museum community as fit for use as museum exhibits.

- c. SRS warrants that its services will be in compliance with the requirements of all regulatory authorities with jurisdiction to prescribe and enforce standards or regulations with respect to the project and with all applicable local, state, and federal laws, statutes, ordinances, codes, orders, rules, and regulations.
- d. SRS warrants that it will deliver any and all Exhibit work designed and fabricated pursuant to this Agreement in safe condition, and free of liens or encumbrances.
- e. If applicable, electronics will be covered by the warranties provided by the original manufacturer of such equipment. SRS will assign each such Manufacturer's warranty to the Owner.

SRS warranties <u>do not</u> cover normal maintenance, cleaning, lubrication or normal wear and tear of the Exhibit, nor damage resulting from abuse, improper maintenance, or operation of the Exhibit by the Owner nor by casualty, vandalism, "Acts of God" or conduct of unrelated third parties.

The natural character of materials used in new exhibit construction can cause various changes, primarily shrinkage and minor cracking. These do not represent a defect in materials or workmanship. During the course of seasonal changes, relative amounts of moisture evaporate from the materials and minor settlement or shrinkage can occur. This is normal and usually slight in nature and SRS cannot be held responsible for the building humidity control or levels.

4. Price and Payment.

In consideration of services undertaken by SRS and described in this Agreement, Owner shall remit payment in the sum of \$228,055 exclusive of sales tax, allocable pursuant to the "Cost Breakdown" as set forth in Attachment "C" incorporated herein by reference.

Terms of Payment shall be as described in the "Payment Schedule" as set forth in Attachment "D." Payments shall be remitted by the Owner to SRS within 30 days of receipt of billing by the Owner. Further detail regarding pricing for this contract can be found in the "Cost Breakdown", Attachment "C". SRS certification for payment shall constitute a representation that the work has progressed to the point indicated, that to the best of knowledge, information, and belief, the quality of work is in accordance with contract documents, and that all lien waivers and certificates required have been furnished in proper form.

SRS requires that all invoices (excluding shipping and installation) be paid in FULL prior to Installation.

5. Late Payment.

All invoices are due net-30 as of the invoice date. The Parties agree that if the Owner fails to make any payments set forth in the contract, a late payment penalty will be charged at the rate of 1.5% per month, imposed immediately after payment is due.

6. Change Orders.

The Owner may request changes in the work after the production phase has begun, including deletions, additions, or revisions, which fall within the general scope of the Agreement. Upon consultation and mutual agreement by the parties, the contract price and completion schedule shall be adjusted accordingly and equitably. Change orders shall be memorialized by written form signed by authorized representatives of both parties. SRS shall have no authority to unilaterally initiate changes in the work after the production phase of the project has begun without prior approval of the Owner. Any additional work related to this contract is exclusive to SRS unless mutually agreed upon.

7. Termination.

The Owner shall allow commencement of design development, production, and installation phases contingent upon the Owner's approval of work submitted by SRS at the conclusion of each precedent phase. The Owner shall be authorized to terminate this Agreement at the end of any phase if the Owner determines for cause that approval should not be granted. In each instance, SRS shall be promptly compensated for all work performed and undertaken in performance of this Agreement and for its costs and expenses occasioned by such termination.

8. Project Coordination.

SRS shall incorporate and coordinate its work with that of any Architect and/or Builder, as appropriate, as designated by the Owner, and agrees to use its best efforts to cooperate and reasonably coordinate their activities with those of the Architect and/or Builder as necessary to effectuate completion of the project work.

9. Subcontractors.

SRS, at its option, may use one or more subcontractors to complete any of its production obligations under the Agreement. SRS shall submit the identity of any subcontractor to the Owner. SRS shall prepare all subcontracts or documents for subcontractor's use as necessary.

10. Relationship of Parties.

SRS shall be considered an independent contractor in connection with this Agreement and shall not be deemed an employee. SRS shall have the authority to act on behalf of the Owner only to the extent provided in this Agreement unless otherwise modified by written consent.

11. Access to Site.

SRS shall be provided access to the site at intervals appropriate to the stage of installation and the status of the project work. The total number of visits to the site shall not be limited in number; it is the intention of the parties that SRS shall make as many such visits as are required to fulfill the responsibilities of SRS hereunder. The Owner shall take all reasonable precautions to provide work premises of a safe and sound condition with a minimization of hazards to life and property, and the Owner shall provide appropriate premises insurance and other indemnity for the protection of SRS, its personnel, and its contract work. During installations SRS anticipates working 12 hours a day and 7 days a week. Exhibit furniture installation

including casework, graphics, AV, and artifacts will commence when the client has Certificate of Occupancy.

12. Project Delay.

The Owner shall discharge all responsibilities including progress review, access to site, delivery of approvals, timeliness of payment and related obligations, so as not to occasion delay to SRS. Any such delays shall extend the deadline for completion by a like period of time and potentially increase the contract sum commensurate with costs, expenses, and compensatory, consequential, and economic damages, including, but not limited to, a storage rate of \$1.00 per square foot a month and transportation costs and fees, occasioned by such delay. Storage rate can change based on storage availability within SRS' facility. SRS will not be held liable for damage of fully fabricated or crated exhibits stored at SRS, or outside of SRS, due to any Owner delay(s) out of SRS' control.

13. Exclusivity of Obligations.

SRS shall not obligate the Owner for the payment of any money or for the performance of any obligation without the Owner's prior written consent. The Owner shall have no contractual or employment relationship with any consultants, subcontractors, employees, or others who may be hired or used by SRS in performance of the work pursuant to this Agreement.

14. Arbitration.

The Owner and SRS agree that, in the event of any disputes concerning the performance of this Agreement and/or interpretation of its terms, and upon demand by either party hereto, any such dispute shall be submitted to arbitration in accordance with the American Arbitration Association at its offices in Des Moines, Iowa or elsewhere upon the mutual consent of the parties.

15. Insurance.

SRS shall procure and maintain appropriate insurance coverage in the form of commercial general liability, worker's compensation, employer's liability, and automobile public liability as appropriate. The Owner shall provide and maintain All Risk Builder's Risk Property Insurance for coverage upon the project site in structure in which SRS work is to be installed in an amount equal to 100% of the insurable value thereof. Any proceeds of such insurance shall be payable jointly to the Owner and SRS as their interests may appear. The Owner and SRS waive all rights against each other with respect to damage or casualty covered by such insurance, except for such rights as they may have to proceeds of the insurance.

16. Representations of SRS.

SRS represents to the Owner that it is not in default under any law or ordinance, or under any Order of any Court or federal, state, municipal, or other governmental department, commission, board, bureau, agency or instrumentality wherever located; its operations are in compliance with all applicable laws, permits, and ordinances, and there are no claims, actions, suits, or proceedings pending, or threatened, against or affecting SRS or any shareholder thereof, at law or in equity, or before any governmental agency, which might result in any material adverse change in the financial condition or business of SRS or which would question the validity of propriety of this Agreement or any of the actions to be taken in accordance with this Agreement.

17. Image Release.

In the event that Split Rock Studios, its agents, and employees would like to reproduce project photographs and/or videos for the purpose of publication, promotion, advertising or trade, in any manner or in any medium. Split Rock Studios must receive permission from Metro Waste Authority and the organization's legal representatives for all instances relating to said images or video.

18. Miscellaneous.

The Owner and SRS, respectively, bind themselves, their partners, successors, assigns, and legal representatives to the other party to this Agreement and to the partners, successors, assigns, and legal representatives of such other party to this Agreement with respect to all covenants of this Agreement. Neither party to this Agreement shall assign, sublet, or transfer (by operation of law or otherwise) any interest in this Agreement without the prior written consent of the other, nor shall SRS assign any monies due or to become due under this Agreement without the prior written consent of the Owner. Any assignments without such prior written consent shall be void.

19. Communication.

Day-to-day communications between SRS and Owner will be between Mike Otis, SRS's Project Manager and Chelsie Oxenford and Sarah Borzo of Metro Waste Authority.

20. Formal Approvals.

Contracts and/or written and electronic approvals shall be returned and signed in a timely manner by the Owner's representative, Leslie Irlbeck.

21. Approvals.

Written and/or electronic approvals, by the Owner, of design submittals, details, images, text, construction drawings and all other elements related to the services and deliverables being provided by SRS within the terms of this contract are required within five (5) business days following each formal design phase (i.e. SD1, SD2, DD1, DD2, Pre-Production) submittal, unless otherwise negotiated between Owner and SRS. Failure to notify SRS in writing of any issues or complaints within the time periods provided herein shall be deemed an approval by the Client and SRS. Each graphic and construction drawing submittal will have an allowance of two rounds of review (one round to request edits, one round to confirm edits have been made); subsequent reviews/submittals may be subject to additional costs.

22. Accounts Payable / Invoicing Information.

Company Name:	Metro Waste Authority			
Address:	300 E. Locust Street Suite 100, Des Moines, IA 50309			
Phone number:	(515) 244-0021			
AP contact:	Joel Etienne			
Email AP Contact:	accounting@mwatoday.com			
Can we email invoices: YES				
Sales tax exempt*: YES				

*If your organization is exempt from paying state sales tax, please submit a Sales Tax Exemption Certification with the signed contract as SRS is required to have one on file. A letter from the IRS stating that your organization is exempt is not acceptable.

23. Complete Agreement.

This Agreement represents the entire and integrated agreement between the Owner and SRS and supersedes all prior negotiations, representations, or agreements, either written or oral. This Agreement may be amended only by a written instrument signed by both the Owner and SRS.

24. Force Majeure.

Neither party shall be held liable or responsible to the other party nor be deemed to have defaulted under or breached this Agreement for failure or delay in fulfilling or performing any term of this Agreement to the extent, and for so long as, such failure or delay is caused by or results from causes beyond the reasonable control of the affected party including but not limited to global pandemic, fire, floods, embargoes, acts of war, acts of terrorism, insurrections, riots, civil commotions, strikes, lockouts or other labor disturbances, acts of God, omission or delay in acting by any governmental authority or other party.

WHEREFORE, the parties have executed this Agreement on the date above written.

SOMMERVILLE-WILSON, INC. D/B/A SPLIT ROCK STUDIOS

Ву	Isaiah Boehlert	Date:
14	Dursidant	
Met	ro Waste Authority, OWNER	
Ву		Date:
lts		

Attachment "A" Scope of Work

Split Rock Studios will provide Pre-Production and Production/Installation services for the Education Center exhibits at 4105 SE Beisser Drive, Grimes, IA 50111. We will warranty the finished exhibits for one year from the date of completion.

Pre-Production

- 1. Complete all design and content revisions required for production
- 2. Acquire permissions and high-resolutions scans for images to be used in exhibit
- 3. Detailed schedule
- 4. Review exhibit space and document any problems affecting exhibit installation
- 5. Layout all graphic production files and generate printed proofs as needed; inspect for content errors and technical quality
- 6. Production color and material samples provided
- 7. Shop drawings with production details for all exhibit structures including technical specifications
- 8. AV technical drawings, if applicable
- 9. Development of specialty items

* All construction drawings will be submitted electronically via PDF. If physical printed and bound books are requested, SRS can supply up to 5 copies for a fee of \$500 per submittal. *

Production

- 1. Output and mount final production graphics
- 2. Fabricate all elements based on approved construction drawings, including artifact cases, panels, walls, platforms, information desks, benches, audiovisual kiosks, etc.
- 3. Fabricate custom elements such as natural history models, topographic maps, cast human figures, taxidermy, custom artifact mounting hardware, and mechanical interactive exhibits with exhibit structures
- 4. AV and interactive programs move into production (filming, programming) and post-production, if applicable
- 5. Acquire AV hardware; install AV software; test system operation
- 6. Progress photos of exhibits during production
- 7. Perform ongoing supervision of subcontractors, if applicable
- 8. Host site visits at SRS for on-site review meetings by client
- 9. Perform ongoing coordination for building modifications with client, architect, and GC through drawings, meetings, discussions, templates, etc.

Installation

- 1. Finish any remaining, minor building prep work
- 2. Deliver exhibits; set up staging area for unloaded exhibit elements
- 3. Project Manager and Designer provide on-site art direction as necessary
- 4. Install all large structures, such as platforms, walls, cases, large graphic panels, and murals
- 5. Install smaller graphics, AV equipment, models, interactive exhibits

- 6. Clean work site of debris and dust, clean artifact cases, install artifacts, perform all other conservation requirements, and seal cases
- 7. Aim and adjust exhibit lighting fixtures
- 8. Walk-through inspection of completed exhibits
- 9. Develop punch-list
- 10. Supply interim maintenance manual and train staff in exhibit operation and maintenance
- 11. Correct punch-list items

Close-out Warranty

- 1. Contractor submits closeout package including:
 - i. Warranty information from SRS
 - ii. Graphic production digital files
 - iii. "As-built" production drawings
 - iv. Final written materials
 - v. Copy of maintenance manuals

Attachment "B" **Project Schedule**

Subject to change Schedule based on a signed contract by July 5, 2021

PRODUCTION AND INSTALLATION PHASE	July 23 – November 15
Pre-Production	July 23 – October 8, 2021
Client approves all graphic files for production	October 8, 2021
Production	August 23, 2021 – November 12, 2021
Installation	November 15 2021

*All deliverable dates are dependent on the timely return of client feedback and completion of prerequisite deliverables. **Project Schedule is subject to change based on modifications to scope of work.

Attachment "C" Cost Breakdown

Metro Waste Authority Education Center Exhibits

\$39,000.00
\$60,580.00
\$35,675.00
\$62,800.00
\$30,000.00
\$228,055.00

Clarifications and Exclusions

¹ Final schedule of values will be provided at the end of the Design Development phase ² All prices include pre-production, shipping, and installation costs

³ These prices are allowances and what we believe represent a target budget to meet and exceed your expectations for educational interpretive displays

Attachment "D" Payment Schedule

PRE-PRODUCTION, PRODUCTION, & INSTALLATION PHASE

\$3,900.00 10% down payment upon start of Pre-Production

Schedule of Values will be provided upon start of Pre-Production. Pre-Production and production will be billed monthly upon percent complete.