



Addendum #3

June 4, 2024

Mecklenburg County, North Carolina

Solicitation # 487 – MRF Operations

SUBMITTAL DATE: JUNE 14, 2024, 3:00 PM EST

Notice to Bidders: This Addendum #3 forms a part of the Contract Documents and modifies the original Bidding Documents dated April 15th, 2024, as noted below:

- This Addendum revises the Interim/C&D MRF Operations Proposal (RFP) and MRF Operations Qualifications (RFQ) by including the Responses to Bidder Questions.

All Vendors shall acknowledge receipt of this Addendum #3 in the space provided on the Proposal Form. Failure to do so may subject the bidder to disqualification.

RESPONSE TO QUESTIONS

Interim MRF

1. Can you provide the complete quote and equipment list from the manufacturer? We are looking for specifics on the following:

- Number of headcounts required to operate the system per manufacturer's specifications.

Based on the planned system equipment, the expected headcount for sorters is 14. Proposers shall develop their own headcount for managers, supervisors, equipment operators, maintenance staff, and laborers.

- Material flow diagram for the system per manufacturer's specifications. We are interested in understanding throughput and capture rate, by grade, for each material type.

See attached Bulk Handling System Equipment Process Flow diagram. The design throughput is 40 tons per hour. The attached table titled "2310 Mecklenburg County" provides the recovery percentages for recyclable materials. OCC, Ferrous & Non-Ferrous materials are sorted by equipment. All other recyclable materials are manually sorted.

- Any recovery rate guarantees or estimates, by grade, provided by the manufacturer.

The attached table titled "2310 Mecklenburg County" provides the recovery percentages for recyclable materials. The rates provided in the table should be considered estimates, not guarantees.

2. Can you provide the model and make for the baler(s) included in the system?

Fully Refurbished Marathon TR12W 200HP Wide Box 2 Ram Baler. See attached summary of baler specification requirements.

3. Is there a material handler included in the system?

The County will provide the material handler (equipment), please include operator in your proposal.

4. Does the facility include a fire rover system?

The County is currently evaluating the potential installation of a Fire Rover system. No decision has been made at this time.

5. When the Interim MRF transitions to a C&D MRF, can the County confirm who would be responsible for any expense and downtime to convert the system and operations from single stream to C&D?

The County will be responsible for the equipment modifications required to convert the system from single-stream recyclables to C&D material.

Metrolina MRF

6. Can you provide the complete quote and equipment list from the manufacturer? We are requesting specifics on the following:
 - Number of headcount required to operate the system per manufacturer's specifications.
 - Throughput of the system per manufacturer's (Van Dyk's) specifications. The diagram provided indicates 40tph, but we want to verify if this is the case.
 - Any recovery rate guarantees or estimates, by grade, provided by the manufacturer.

In reference to the RFQ submission, the County is expecting qualifications-based responses. The full system details will be shared with the successful proposer.

7. Can you provide the quantity and models for the baler(s) included in the system?

The existing Bollegraaf HBC120S baler and IBC TR-12-T75 2-Ram baler will be utilized in the retrofitted MRF.

8. Can you provide a list including the make and model of any other equipment included in the system that would be the responsibility of the vendor to maintain? Such as air compressors, scales, residue compactors, fire mitigation, etc.

In addition to the processing equipment, the vendor will be responsible for maintaining the air compressor system, balers, and compactors. For the purposes of the RFQ response, vendors shall demonstrate experience operating and maintaining MRFs with similar equipment.

9. Does the facility include a fire rover system?

The County is currently evaluating the potential installation of a Fire Rover system. No decision has been made at this time.

10. Can you provide the transportation and disposal cost/ton for residue currently being paid at the Metrolina MRF?

This question concerns the RFQ, for which we expect qualification-based responses. The successful proposer will receive system details. The transportation and disposal cost for April 2024 averaged \$53/ton.

11. Page 41 In operational responsibilities #13, it is listed that the contractor must notify the County of a breakdown or outage notice within one hour of the incident. MRFs, like any industrial facility, occasionally have work stoppages occur due to equipment malfunctions caused by tangles or other problematic materials in the sorting equipment, etc. For this reason, short stoppages are common but part of normal course of business in the MRF, leading MRFs to run at 90-95% uptime.
- Due to the routine nature of these incidents, could the County clarify what would merit alerting the County within the hour or further define breakdown and outages?

Breakdowns and outages refer to notification of incidents resulting in plant downtime that would impact the ability of the facility to continue to receive material.

12. Page 59. Proposal Bond Form. Could the County consider amending the Proposal Bond form to say specifically that the Performance Bond will be annually renewable? Based on our conversations with surety agents, this is standard in the market.

With the understanding that the County desires continuous bond coverage, an annually renewed instrument will satisfy this requirement.

13. Regarding the County's Addendum #2. Based on the County's answer to question #5 regarding two electronic submittals – one with confidential information and one without – could the County be specific as to how these documents will be different?

For instance, should the non-confidential document be the same as the confidential document, just with redacted sections? Or should the non-confidential document have any trade secrets wholly removed?

The electronic submittals shall include the following two separate files: one file containing non-confidential information, and the 2nd file containing any confidential information. For the non-confidential document please clearly identify where you have removed confidential information by stating "this information" or "additional information is provided in the confidential document".

14. Regarding the County's Addendum #2: Based on the County's answers to questions regarding the loose OCC produced at the Interim MRF, we understand that the County is responsible for marketing the loose OCC at the Interim MRF.

Yes, the County will market the loose OCC.

15. If the only OCC that is being baled is what falls to the floor between "trailer transfers", then is the Interim MRF / C&D MRF envisioned to be a transfer station? We are wondering why the material would stay on a trailer instead of running through the system?

The interim MRF facility will be used for separation and processing of OCC directly into trailers, without baling. This was a design compromise to enable this interim MRF with its space limitations, to handle a volume normally processed in a larger facility. This process still captures some of the value of the OCC by delivering this unbaled OCC to local markets.

16. Based on the County's answer to question #1 regarding the \$10M in operating capital: Could the County be more specific about the goal of the risk or finance team for this requirement in addition to a \$2.5M performance bond and a parent company guarantee?

The goal is to contract with an entity with sufficient financial substance and operating resources.

Could the County provide more guidance on what may be an acceptable mix of assets to provide in lieu of \$10M in operating capital that would satisfactorily mitigate any perceived risk? Additional understanding of the root goal would help us craft the best alternative.

The goal can be demonstrated by net worth, working capital, access to lines of credit or similar metrics or mechanisms.

Questions about the model contract:

17. Section 1.01, There is a sentence fragment at the end of this section (immediately above the Article II heading). Can the County confirm there is not wording missing that was intended to be included in this Agreement?

This should read:

"Week" means a period commencing Sunday at 12:01 AM and ending midnight of the following Saturday.

18. Disputes are to be resolved in a court of law. Is the County waiving its sovereign immunity?

At no time does the County waive its sovereign immunity, however, if and to such an extent as a Court of law may determine sovereign immunity is not applicable, then **Section 6.02 Rights Preserved** of the “model” agreement references actions available to the parties if they are unable to find dispute resolution through the mechanisms listed in **Section 6.01 Disputes** of the agreement.

19. Section 15.01(a). An Uncontrollable Circumstance must continue for 6 months before a party may terminate this agreement. That seems like a long time in the event of a governmental action, court order, major disruption in power or other utility supply, etc. Can this period be shortened? Understood if this is up for negotiation as other terms are in the model contract.

Section 15.01 references multiple (7) mechanisms available to the parties related to termination. There will be an opportunity for negotiation of this section for the successful proposer.

20. Please confirm the PORTABLE LOADING RAMP shown on the drawing is being supplied by the County.

Yes, the County will provide the ramp.

21. Please confirm your expected materials to be recovered and marketed from the C&D operation?

For the purposes of this RFP, the expected materials are clean large wood, large metals, aggregate, MRP, aluminum, gypsum, and small wood. Gypsum or small wood may be replaced by OCC depending on the available quantities.

22. Please confirm inbound for C&D will be dry and or wet waste?

Receipt of C&D can be weather dependent, it is the County’s intent that the facility receives only processable loads.

23. Please confirm if the County composting site will be the main outlet for wood and other organic waste?

The County’s current compost facilities only accepts yard waste at this time, wood and other organics would need to go to appropriate end use facility.

24. Please confirm billing of processing hours continues even during downtime for transportation issues, if the site is maintaining labor for processing while waiting for transportation?

The Vendor will be compensated per the contract, it is the County's assumptions that sorters will be redirected toward housekeeping during periods of minimal transportation delays.

25. Does the county have a long-term need for crushed glass for road base?

Not currently.

26. Who is responsible for accounting, procurement of and maintaining of maintenance related parts.?

For the interim MRF the County will be responsible for the items noted above, vendor will be responsible for maintaining the inventory.

27. Will the county be providing fire extinguishers as part of the fire prevention plan?

Yes

28. Will the county provide office furniture and break tables for the site?

No. The selected vendor will be responsible for providing furniture, break tables, and lockers.

29. Contractor will provide supplies, please confirm Initial baler hydraulic tank will be filled by the county.

Yes, the initial baler hydraulic tank will be filled by the County.

30. This is a follow up question to question 14 on addendum 2. Please confirm baler hopper height and wide for appropriate equipment sizing.

Baler hopper height is approximately 7'4" and the length is approximately 10'.

Attachments:

TPH
40

2310 Mecklenburg County

Material Name	RFP Comp.	Total TPH	Recovery Percent	Recovered Tons
OCC	22.60%	9.04	80%	7.23
ONP	6.70%	2.68	0%	0.00
Office Paper/Mag	7.80%	3.12	0%	0.00
Gable Top/Aseptic	0.40%	0.16	0%	0.00
Mixed Paper/Kraft	10.00%	4	0%	0.00
Non-Recyclable Paper	1.00%	0.4	20%	0.08
PET Bottle	6.10%	2.44	13%	0.31
PET Containers/Packaging	0.80%	0.32	0%	0.00
HDPE Color	2.80%	1.12	24%	0.27
HDPE Natural	1.40%	0.56	32%	0.18
Mixed Bottles 3-7 Non #6	1.30%	0.52	0%	0.00
EPS Foam #6	0.50%	0.2	0%	0.00
Film & Flexible Packaging	2.00%	0.8	0%	0.00
Mixed Rigid Bulky	0.90%	0.36	95%	0.34
Non-Recyclable Rigid Plastic	1.20%	0.48	90%	0.43
Recyclable Glass	6.40%	2.56	98%	2.51
Non-Recyclable Glass	0.20%	0.08	98%	0.08
Ferrous Containers	1.70%	0.68	96%	0.65
Aluminum Cans UBC	2.40%	0.96	96%	0.92
Other Metals	1.20%	0.48	95%	0.46
Food	1.90%	0.76	40%	0.30
Compostable Fibers	2.20%	0.88	5%	0.04
Other Organics	0.10%	0.04	25%	0.01
Re-Usable Textiles	0.60%	0.24	0%	0.00
Non-recyclable Textiles	0.40%	0.16	0%	0.00
Leather & Rubber	0.20%	0.08	0%	0.00
HHW	0.50%	0.2	0%	0.00
Electronics	0.60%	0.24	90%	0.22
Wood	0.20%	0.08	0%	0.00
Other C&D	0.20%	0.08	20%	0.02
Fines	14.00%	5.6	98%	5.49
Diapers	0.40%	0.16	0%	0.00
Other Bulky or Composite	1.30%	0.52	0%	0.00
Totals:		40		19.53

Recyclable Tons: 29

0.488365

48-50% Diversion and 65% Recyclables Recovery

19.53 Tons Recovered out of 40 Tons Processed = 48.8%

19.53 Tons Recovered out of 29 Recyclable Tons = 67.3%



SYSTEMS

3592 WEST 5TH AVENUE
EUGENE, OR 97402
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THIS DRAWING, WITH THE
DESIGNS, IDEAS AND
DETAILS SHOWN HEREON
IS THE PROPERTY OF:
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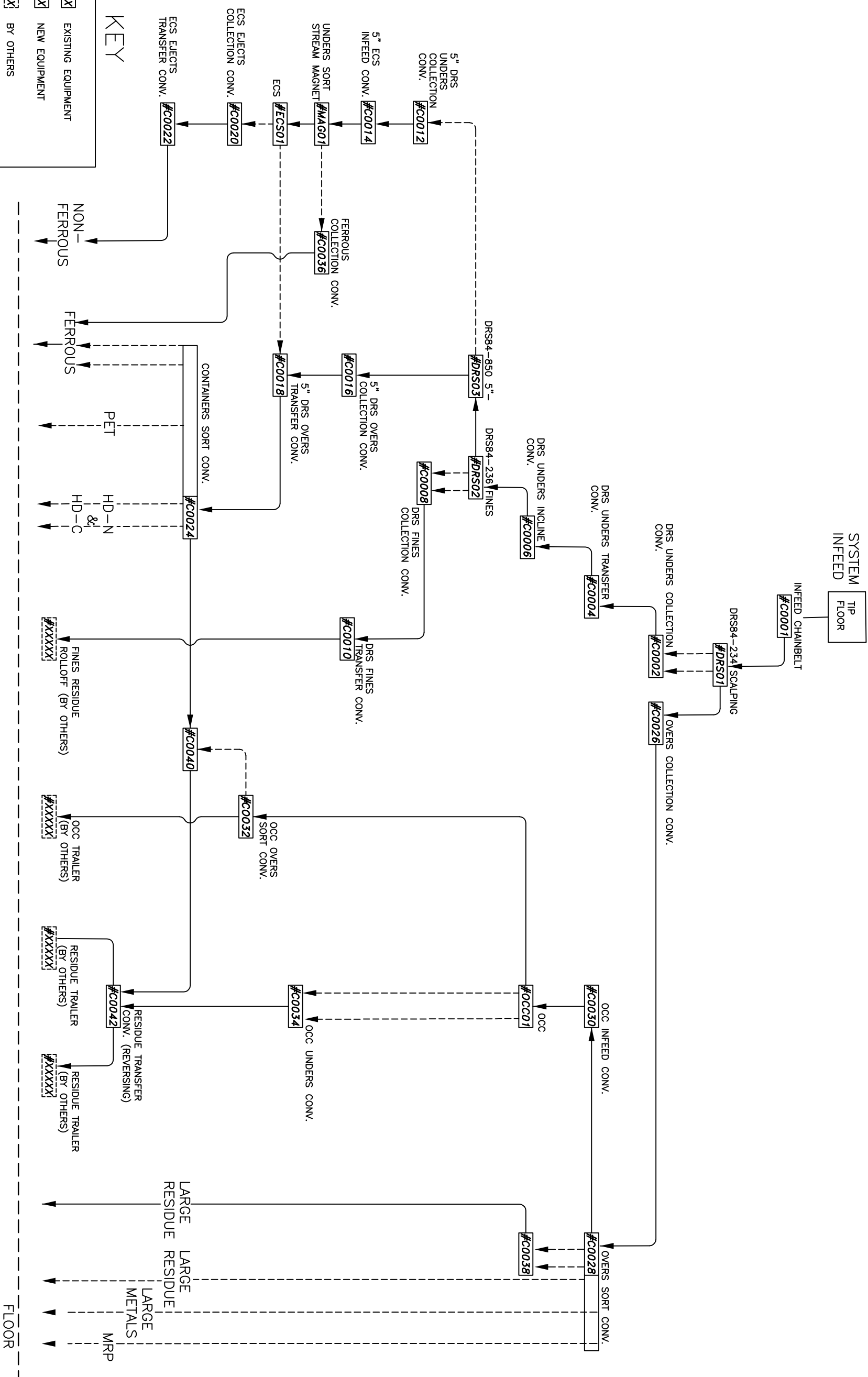
A0	ISSUED FOR REVIEW	FH	8/10/2023
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PROJECT#: 2310
AREA#: NA
EQUIP#: NA
SERIAL#: NA
MODEL#: NA
WEIGHT: 1bmass

DRAWING TITLE:
EQUIPMENT PROCESS FLOW DIAGRAM

CLIENT: METROLINA MRF RETRO RPF

LOCATION: MECKLENBURG COUNTY - NC



KEY

#XXXXXX EXISTING EQUIPMENT

#XXXXXX
NEW EQUIPMENT

BY OTHERS

 MATERIAL FLOW

CHUTE FLOW

A	EQUIPMENT PROCESS FLOW
1	SCALE: NTS



60 Andrea St. Baxley, Ga. 31513
amservicegroup1@gmail.com
Phone: (912) 278-4146

To: Mecklenburg County NC
From: Matt Vaughn
Re: Marathon 2 Ram Baler
Date: March 31, 2023

Thanks for the opportunity to quote:

Marathon TR12W 200HP Wide Box 2 Ram Baler

480 Volt 60 HZ 3 Phase
3000 PSI Hydraulic System
2-100 HP Main Motors
12" Main cylinder 395,841lbs force 240 psi face pressure
10" Eject cylinder
Vertical bale separation door cylinder
Oversize bale door
All cylinders refurbished
15 HP cooling/tier system
5 micron filtration
58" x 102" Charge Box opening
Fully relined



Accent 470 Wire Tier
New Control System (Panel components, PLC, Touch screen, remote troubleshooting)
Fully Automatic Operation

**Lead time 10-12 weeks ARO*

**30-day parts and labor warranty*

Marathon Baler FOB Baxley GA.....

50% Deposit/40% Due prior to shipping/10% After Installation

Customer's Responsibility:

Hydraulic oil, Tier wire, Incoming Power, Lifting equipment (crane and forklift)

Bulk OCC	15-20 T/hr
Solid Waste	27-32 T/hr
Newsprint	20-25 T/hr
Al. Cans	9-14 T/hr
Steel Cans	24-29 T/hr
Plastic	7-12 T/hr
Non-ferrous	15-20 T/hr