

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2024-159
Item to be Scouted	Manure Biochar
Days to be scouted	30
Response Due By	07/21/2024
Description	In search of biochar created from dairy manure to combine with our treatment technology.
Notify Requester Immediately	Yes
State item to be used in	Arizona

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	Past supplier no longer available
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Requires dairy manure to undergo heat treatment either through pyrolysis or gasification process to create biochar. May need higher heat temperatures or holding times than normal process depending on equipment used.
Provide dimensions / size / tolerances / performance specifications for the item	Must have final moisture content below 5.6%
List required materials needed to make the product, including materials of product components	Dairy cow manure
Are there applicable certification requirements?	No
Are there applicable regulations?	Yes
Details	Must abide by air quality regulations for safely processing manure into biochar.
Are there any other standards, requirements, etc.?	Yes
Details	End product must meet requirement of having certain moisture percentage and remain consistent with all batches produced.
NAICS 1	
NAICS 2	
Additional Technical Comments	Heating temperature applied can impact the final product. Preferred heat applied is above 700 C.

Section 4: Business Information

Estimated potential business volume	Immediate need for 2 tons. Estimate potential business volume for 2024 is 10 to 20 tons, 2025 is 40 tons, and 2026 is 60 tons.
Estimated target price / unit cost information (if unavailable explain)	TBD - Previous supplier provided manure biochar as a sample. Requested product is different than what is currently available for biochar.
When is it needed by?	Immediate
Describe packaging requirements	Can be produced gradually and sent in supersacks.
Where will this item be shipped?	Phoenix, Arizona

Additional Comments

Is there other information you would like to include?