REQUEST FOR INFORMATION (RFI)

DRCI-17-2271

Food Waste Reduction Technologies

RESPONSE DEADLINE:

RFI responses are due by to Noon, Local Time on Monday, January 8, 2016

ADDRESS FOR RFI RESPONSES:

Ohio Department of Rehabilitation & Correction (ODRC) Attn: Yolanda Cooks, Project Manager 1 Office of Acquisitions and Contract Compliance 770 West Broad Street Columbus, Oh 43222

DRCI-17-2271 Date December 19, 2016 Page 2

TABLE OF CONTENTS

- Section One: Executive Summary
- Section Two: RFI Timelines and Requirements
- Attachment One: Summary of Institutional Food Waste
- Attachment Two: Institution Sample Menu

DRCI-17-2271 Date December 19, 2016 Page 3

Section One: Executive Summary

The Ohio Department of Rehabilitation and Correction, (ODRC) requests your response for information pertaining to technologies (i.e. pulpers) available to reduce food waste by volume, weight, and water content.

The primary intent of this document is to collect information about the variety of technologies available to grind and dehydrate food waste, thereby reducing the organic waste sent on to composting facilities or landfills. Responses to the RFI may assist in the development of a Request for Proposal (RFP) for appropriate food waste reduction technologies.

NOTE: A response to this RFI does NOT constitute a bid. However, information provided as a response to this RFI document may be used by the State of Ohio for further bidding opportunities and will ensure inclusion in any further bid opportunities. Information provided in response to the RFI will not become public record until after the official awarding of the RFP.

Section Two: RFI Timelines and Requirements

ODRC is interested in technologies to reduce food waste volume, weight, and water content at a number of institutions. Currently, these institutions are sending all food waste to a compost or landfill site. Other ODRC institutions have been able to implement pulper technologies to successfully reduce food waste volume as well as costs associated with transporting food waste to compost or landfill sites.

Based on experience with food pulpers currently in use at ODRC institutions, we are aware that our food waste tends to be slightly different than other traditional dining settings. This is likely due to the exclusion of some common items typically in food waste: no napkins, minimal grease, milk served in wax-coated cartons, no bones. A sample menu is also provided as an attachment.

All submissions should include the criteria below. Please take notice of the attached documentation regarding food waste audits at the institutions.

- 1. Describe the technology you recommend based on information provided in the attached documents.
- 2. Complete table based on initial range of values for daily waste.

DRCI-17-2271 Date December 19, 2016 Page 4

Initial Waste (lbs)	Suggested Technology	Reduction% (Tech efficiency)	Waste Reduction (Initial x Reduction %)	Annual Tons Reduction (x 365/2000)	x\$40/ton (Landfill Cost)	Technology Cost	Payback Period (Tech cost/Annual Landfill Cost)
75							
250							
500							
1000							
1500							
2000							
3000							

- 3. What is the maximum operating capacity of the technology (pounds of waste)?
- 4. How many hours per day is the equipment designed to be operated?
- 5. Describe the utility usage required to operate the technology and necessary run time to process the given food waste capacities. In other words, how long would it take the technology to process this much waste and how much energy and water would be used?
- 6. Describe the infrastructure (i.e. electrical outlet, drain, etc.) and physical space requirements needed for the technology.
- 7. Describe the typical maintenance required for initial set up of technology and for repairs.
- 8. What are the warranty options available for this technology?
- 9. What is the sample cost of the technology including installation and yearly maintenance and operation?
- 10. Is there a possibility for discount if more than one unit is purchased? If so, please provide discount details and sample costs.
- 11. Has this technology been installed in other correctional facilities? If so, where?
- 12. Has this technology been installed anywhere else in Ohio? If so, where?
- 13. Is there anything else we should know about your technology?

DRCI-17-2271 Date December 19, 2016 Page 5

FALL WINTER MEN'S MENU WEEK 1

A 1 ea			٦ ر 1 ea		S 4 s	4 ozw		100sc	2 s	R 1/2 C		2 3/4 C		D 3/4 C		DIET		2 sl	60 sc	1 ea	3/4 (C 3/4 C		L 1 ea		4 0ZW		_	7 1 C				у ш	R 1 C	8
Cookie Bar (1/54)	Ranch Dressing	Garden Salad	Fresh Fruit	Mustard	_	T. Bologna	Water	Garlic Margarine			OCCO E	Vegetable Blend	Dotini Daeta	Soy Italian/ Tomato Sauce	OR.	Hamburger (R,LP)		White Bread	Ketchup	Banana	Colesiaw	Pinto Beans	Rice	Oat Burger	SR.	Seasoned Turkey Patty			Coffee	Milk, Nonfat		1/5 <u>4</u>	Scrambled Erroe	Com Flakes Cereal	
1 ea		3/4 C	- ea	2 ea	4 si	4 ozw		100 sc	2 sl	1 ea	3/4 C		ĵ	1 ea		DIET			1 CL	į	7 0		10	1 ea		ea	~	7	2 7	2 C		100sc	2 ea	<u>1</u>	
Cookie Bar (1/54)		Coleslaw	Fresh Fruit	Mustard	White Bread	T. Salami	Water	Margarine	White Bread	Orange	Carrots	Rice (R.LP)	Cain Databas	BBQ Bean Patty	OR	Chicken Breast (R,LP)	Water		Cake w/ lcing (1/54)	Transfer of the con-	Diced Apples	Plain Noodles (R,LP)	Noodles w/ Tomato Sauce	Vegetarian Pizza	OR.	Whole Grain 1. Sausage & Cheese Pizza			Coffee	Milk, Nonfat	Ç	Margarine	Bakery Biscuit (1/54)	Com Grits	
1 ea	30 sc	3/4 C	ea	4 sl	1 pkt	4		1/2 C	2 ea	16 sc	30 sc	3/4 C] 	3/4 C		DIET			60 sc	2 s	1/20		10	1 ea		DIET	2 pkg	10	76 SC	DET	2 ea	DET	4 ozw	DIET	7
Cookie Bar (1/54)		ticks	Fresh Fruit	White Bread	Jelly	Peanut Butter	Water	White Bread (R,LP) Pineapple Canned in Juice		Salsa (No R, LP)	Ę.	Shredded Lettuce	Spanish Rice	Vegetarian Fajitas	Я	Turkey Patty (R,LP)			Mustard	White Bread	Applesauce	(X,LP)	1	Black Bean Burger	QR.	Turkey Patty (R,LP)	er.		Milk Nonfat	9		Scrambled Eqq (R.LP)	_ =	Toasted Oats (R,LP)	Didii FidNes
1 ea	30 sc	3/4 C	1 ea	2 ea	4 sl	4 ozw		60 sc	2 sl	1 ea		3/4 C	100	ea		DIET				1 ea	100sc	າ ea	3/4 C	10				2 pka	1 0		2 sl	30 sc	16 sc	DET	-
Cookie Bar (1/54)	Ranch Dressing	Garden Salad	Fresh Fruit	Mustard	White Bread	T. Ham	Water	Mustard	ă.		eans)	Vegetable Blend	Hash Brown Potatoes	Oat Burger		Chicken Breast (R,LP)	Water			Fudge Brownie (1/54)	Margarine		ns	Soy & Macaroni Casserole		Renal Beef Mac (R,LP)	L	Sweetener	Coffee	LP)	Wheat Bread		Peanut Butter HardRoiledFor (R 1 P MS)	Corn Grits(R,LP)	Caulical
1 ea		3/4 C	ea ea	2 ea	<u>4</u> s	4 ozw		100sc	2 sl	1 ea	30 sc	3/4 C	3	1 _C							1 ea	7,20	3/4 C	3/4 C		DIET	Ŀ	2 pkt	0 0	100 sc	DIET	2 sl	2 PET	1 _C	
Cookie Bar (1/54)		Coleslaw	Fresh Fruit	Mustard	White Bread	T. Bologna	Water	Margarine	White Bread	Banana	French Dressing	Garden Salad	Dage & Carrole	Soy Rice Casserole	OR.	Renal Beef & Rice (R,LP)	Water			_	Fresh Baked Cookie (1/54)	Apples		Soy Guiseppe	OR .	Hamburger (R,LP)		Sweetener	Milk, Nontat	Margarine	White Bread (R,LP)	Wheat Bread	Com Grits (R,LP) Hard Roiled Foo	u	
1 ea	30 sc	3/4 C	1 ea	2 ea	4 sl	4 ozw				100 sc	2 <u>s</u> l	1 ea	3/10		3/4 C	3/4 (100sc	2 si	1/20	3 1	10	1 ea		DIET		2 pkg	100		16 sc	100sc	2 ozw	2 ea	;
Cookie Bar (1/54)		icks	Fresh Fruit	Mustard	White Bread	T. Ham	Water			Margarine	White Bread	Banana	ā	:	Soy Italian/ Tomato Sauce	OR	Water		Margarine	White Bread	Applesauce	Parsiey Noodles (K,LP)	Mashed Potatoes	Gravy (No R. LP.V)	R	Chicken Breast (R,LP)		4	Milk, Norriat				Turkey Ham Scrambled Foos(R I P)	Pancakes (1/54)	
1 ea	30 sc	3/4 C	1 ea	2.ea	4 sl	4 ozw		100sc	2 sl	1/2 C		3/4 C	3/4C	;	DIET		_	100sc	30 sc	2 sl	1 ea	3/40	10	1 C		DIET		2 pkg	10	DET	2 sl	30 sc	DIFT	DIET	
Cookie Bar (1/54)	Ranch Dressing	· Garden Salad	Fresh Fruit	Mustard	White Bread	T. Salami	Water	Margarine	White Bread	Warm Cinnamon Apples	(carrots, cauliflower, broccoli)	Vegetable Blend	Soy Hash Potatoes	; ; ; ;	Pasta (R, LP)	Turkey Patty(R,LP)	Water	Margarine	Scratch Italian Dressing	White Bread	Orange	Garden Salad	Pinto Beans	Soy Rice Casserole	OR.	Renal Beef & Rice (R,LP)		Sweetener	Coffee	White Bread (R, LP)	Wheat Bread	Jelly	Peanut Butter Hard Boiled Egg (R. L.P. MS)	Corn Grits (R,LP)	Chanca

Week Begin on: October 30, 2016

DRCI-17-2271 Date December 19, 2016 Page 6

COONE DE (1754)
Cookie Bar (1/54)
1 ea Fresh Fruit
4 sl White Bread
T. Bologna
Water
0
2 sl White Bread
Scrat
3/4 C Com
1 C Soy Hash Potatoes
Ric
1 C TurkeyHam AuGratin Potatoes DIET Chicken Breast(R,LP)
Water
cake w/ iding (1/54)
(Carrots, Cauliflower, Broccoli
<u> </u>
z
vegetalian rizza
1 ea Whole Grain T. Sausage & Cheese Pizza
7 hvr — Amedicates
2 C Milk, Nonfat
100 sc Margarine
DIET Com Grits (R,LP)
Cheesy Com Grits
Fortified Orange Punch
THURSDAY

Week Begin on: November 6, 20

FALL WINTER MEN'S MENU WEEK 2

Michelle Tatmer BOLD

DRCI-17-2271 Date December 19, 2016 Page 7

0	Highlighte	Highlighted items are to be served to inmates with approved Diet Cards. Reference Diet Spread Sheets for all diet and portion size information.	tes with a	approved Diet Cards. Refe	rence Die	t Spread Sheets for all diet and	portion	size information.						
2		SUNDAY		MONDAY		TUESDAY		DAY		THURSDAY		FRIDAY		
Э,	10	Fortified Orange Punch 1 C Fortified Fruit Punch	10	Fortified Fruit Punch	10	Fortified Orange Punch	10	Fortified Fruit Punch	10	1 C Fortified Orange Punch	10	Fortified Fruit Punch	10	Fortified Ora
19	8				10	Bran Flakes	10	Oatmeal			1 C	Toasted Oats	<u>۱</u>	
r	R 1 C	Corn Flakes Cereal	10	Corn Grits	DIET	Toasted Oats (R,LP)	DET	Com Grits (R,LP)	10	Cheesy Com Grits	2 ea	Pancakes (2 fl. Oz. Pour) DIET	DIET	Com Grits
е	m		2 ea	Bakery Biscuit (1/54)	4 ozw	Bakery Biscuit (1/54) 4 ozw Scrambled Egg w/ T.Ham 16 sc	16 sc	Peanut Butter	DET	<u>F</u>	2 ozw	Turkey Ham	16 sc	Peanut
	130	Scrambled Ecos	3/1/2	3// C Brookfoot Grown		& Chasse (2 or T Ham)		& Cheese (2 oz T Ham) DIST HamBoiledEcn (B D MS) 2 oa Hard Boiled	200	3		Smambled Fone (R D) DIFT Hand Rolled For	7	Hami

FALL WINTER MEN'S MENU WEEK 3

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	1 ea	3/4 C 30 sc	2 68	4 8	4 ozw		ğ	, 1 e	100 sc	16 sc	3/4 C	DE 8	C		티	ń		틹	60 sc	2 sl	ea :	3/4 C		<u>, </u>	3/4 C		4 0ZW			2 pkt	ĉ	2 C	ŝ	1 2 0	3	10	-	3	ľ
Water	Cookie Bar (1/54)	Garden Salad Ranch Dressing	Mustard	White Bread	T. Bologna	Water	Wille Diead	Banana	Margarine	Cheese Sauce (No R,LP,V)	Broccoli	Parsiav Noodles (R P)	Vegetarian Chili	OR.	Hamburger (R,LP)	Chili Con Came	Water	White Bread (R, LP)	Tartar Sauce	White Bread	Orange	Camots	Noodles(R.LP)	Manager & Change	Soy Giuseppe	OR .	Oven Baked Fish Patty			Sweetener	Coffee	Milk, Nonfat	otionadi Cotice Case (1104)	Strained Eggs	Committed Ease	Com Flakes Cereal	Formied Clarige Fuller	Fortified Orange Durch	VACINIS
	1 ea	3/4 C	1 ea	4 8	4 ozw		<u></u>	2 ea	1/2 C	16 sc	3/4 C	DIET	3/4 C		DIET	3/4/5		1 ea	60 sc	2 sl		3/4 C	DET	1 ea		DIET	4 ozw			2 pkt	10	2 C		10065	2 ea	10	ā	3	7
Water	Cookie Bar (1/54)	Colesiaw	Mustard	White Bread	T. Salami	Water	vvnile bread	Flour Tortilla	Warm Cinnamon Apples	Salsa (No R,LP)	Shredded Lettuce	Spanish Rice	Vegetarian Taco Filing	OR.	Hamburger	Reef Burrito Filling	Water	Banana	Mustard	White Bread	(Carrots Cauliflower Broccoli	Vegetable Blend	Parsiev Noodles (R (P)	Soy Patty (Cold)	OR.	Chicken Breast (R,LP)	Turkey Bologna			Sweetener	Coffee	Milk, Nonfat	wai gain a	Margarine	Bakery Biscuit (1/54)	Corn Grits	ייסו שופט דיומוג דימוגטי	Fortified Enuit Dunch	MONDAY
	1 ea	3/4 C 30 sc	4 5	1 PK	41		7/2/	100 sc	2 sl	30 sc	3/4 C	3/4 C	3/4 C		DET	10		60 sc	2 sl	1/2 C	3/4 C			1 ea		DIET	2 ea	2 pkg	10	2 C	16 sc	DET	2 0		4 ozw	DIET	10	2	
Water	Cookie Bar (1/54)	Carrot/ Celery Sticks Ranch Dressing	White Bread	Jelly	Peanut Butter	Water	Peaches, Canned in Juice	Margarine	White Bread	Ranch Dressing	Garden Salad	Peas & Carrots	Soy Rotini Casserole	OR OR	Renal Beef Mac (R,LP)	Reef 7iti	Water	Ketchup	White Bread	Diced Apples	Green Beans	Pasta (R P)	Coney Pinto Beans	Oat Burger	OR	Turkey Patty (R,LP)	Turkey Hot Dogs	Sweetener	Coffee	Milk, Nonfat	Salsa (No R,LP)	White Bread (R,LP)	Flour Tortilla	Scrambled Eng (P P)	Scrambled Egg w/ I.Ham	Toasted Oats (R,LP)	Bran Flakes	Entified Orange Punch	THESDAY
	-1 ea	3/4 C 30 sc	2 ea	4 sl	4 ozw		1 ea C	28	30 sc	3/4 C	1 69 0	3/4/0	10		릵	3			60 sc	2 \$	100	3/4 C		2	1 ea		4 ozw		2 pkg	10	2 C	티	٥ <u>١</u>	30 1	16 sc		100	5	
Water	Cookie Bar (1/54)	Garden Salad Ranch Dressing	Mustard	White Bread	T. Ham	Water	Ranana	White Bread	French Dressing	Garden Salad	(Carrots, Peas, Green Beans)	Vegetable Riend	Soy Rice Casserole	OR .	Renal Beef Rice (R,LP)	Turkey Rice Brocki Cheese	Water		Ketchup	White Bread	Applesauce	Colesiaw	Pasta (R P)	BBO Bisto Bosso	Black Bean Burger	OR .	Hamburger		Sweetener	Coffee	Milk, Nonfat	White Bread (R, LP)	Wheat Bread	lelly	Peanut Butter	Com Grits (R,LP)	Oatmeal	Endified En it Dinch	WEDNESDAY
	1 ea	3/4 C	2 ea	4 sl	4 ozw			1/2 C	60 sc	2 sl	3/4 C	10		10	1 024	402				2 ozw	2 5	1 9	3/4.0	<u>,</u>	3/4 C		3/4 C		2 pkt	10	2 C	100 sc	2 1	2 0	3 [10	-	10	1
Water	Cookie Bar (1/54)	Colelsaw		White Bread	T. Bologna	Water		Diced Apples	Ketchup	White Bread	Pineapple Colesiaw	Cajun Potatoes		BBQ Bean Patty	OR OR	Seasoned Turkey B	Water		Peanut Butter Cookie	Fresh Baked Oatmeal	White Bread	Orange	Green beans	0	Soy Italian/ Tomato Sauce		Beef Stroganoff		Sweetener	Coffee	_	Margarine	White Bread	Wheat Bread	Com Gnts (K,LP)	Cheesy Com Grits	o cinitad Cianga i and ci	Fortified Orange Punch	THURSDAY
	1 ea	3/4 C 30 sc	2 ea	4 sl	4 ozw			100 sc	30 sc	2 sl	1 ea C	3/4 C		10	-	2		1 ea	60 sc	2 sl	1/2 C		3/4 C	1 ea		DIET	4 ozw		2 pkg	10	2 C	8	16.60	10065	MZ0 Z	2 ea	<u> </u>	10	
Water	Cookie Bar (1/54)	Carrot/ Celery Sticks Ranch Dressing	Mustard	White Bread	T. Ham	Water	-	Margarine	French Dressing	White Bread	Banana	Carrots		Soy Rice Casserole	OR OR	Turkey Fried Bice	Sugar Topping (1/54) Water	Chocolate Cake w/ Powdered	Mustard	White Bread	Warm Cinnamon Apples	(Carrots Cauliflower Broccoli)	Vegetable Blend	Oat Burger	OR.	Chicken Breast (R,LP)	Crispy Chicken Patty	-	Sweetener	Coffee	Milk, Nonfat	Q.H	Synin	Marrarine	Turkey Ham	Pancakes (2 fl. Oz. Pour)	Toasted Oats	Fortified Entit Plinch	FRIDAY
	1 ea	3/4 C 30 sc	2 ea	4 s	4 ozw		ea	100 sc	2 <u>s</u>	3/4 C	16 sc	<u>,</u>	11/2C		DIET	400			1 ea	1/2 C	2 5	3/4 C		2 0		DET	10		2 pkg	1 _C	20	DET :	2 6	3 5	38 86	DIET	<u></u>	100	1
Water	Cookie Bar (1/54)	Garden Salad Ranch Dressing	Mustard	White Bread	T. Salami	Water	Orange		White Bread	Peas & Carrots	Gravy (No R LP V)	Z C	Pinto Beans	OR.	Turkey Patty (R,LP)	Chinchy Country Pathy	Water		Fudge Brownie (1/54)	Applesauce	White Bread	Cabbage	Parsley Noodles (R P)	Soy Rice Casserole	OR	Renal Beef Rice (R,LP)	Beef Texas Hash		Sweetener	Coffee	Milk, Nonfat	White Bread (R, LP)	Wheat Bread		Peanut Butter	Com Grits (R,LP)	Oatmeal	Entified Orange Plinch	SATURDAY

t at Breakfast. #16 sc for Breakfast Gravy; #30 sc for eggs.
Michielle Text Truck RDD

Week Begin on: November 13, 2016