

Technical/Financial Progress Report for period 2FEB13 – 22JUN13

The Project: Protein From Waste and Local Crops

Objectives: To recycle certain of the island’s waste streams to manufacture a protein product that will lower the cost of feeding poultry and significantly improve the livelihoods of Grenada’s farmers. Outcomes anticipated in the first phase include the avoidance of putting noxious organic wastes in the local landfill, the solution of odor problems, providing a method for the disposing of used motor oil on an island that has no such facilities, and to help farmers retake the 95% of Grenada’s \$30 million poultry market that they have lost to cheap imports. Finally, in a second phase, to disseminate this highly replicable technology to the surrounding countries in the region who all have the same waste problems and prohibitively expensive imported feed costs.

Amount Expended thus far:

OAS: \$38,711

Co-financing: \$ 27,126

Executive Summary/Progress to Date: The following activities have been fully completed at this time [the end of month 5]: Procurement, Fabrication and Transit. Assembly will be completed by the end of month 6 and is 75% completed at this time. We are two months ahead of schedule. [See table below]

Work Plan																			
Activity	Output	Months												Responsible	Indicator	Budget			
		1	2	3	4	5	6	7	8	9	10	11	12			OAS Funds	Co-Financing	Total (US\$)	
1.1.																			
Procurement		X	X												J Aronson	receipts	9,000	16,150	25,150
Fabrication			X	X											R Davenport	receipts	28,800	5,450	34,250
Transit				X	X										J Aronson	receipts	7,100	4,150	11,250
Assembly					X	X	X	X							J Aronson	receipts	2,880	8,460	11,340
Testing								X	X	X					J Aronson	photos	2,220	5,175	7,395
First Production											X	X	X		J Aronson	photos	-0-	10,615	10,615
Total:																	50,000	50,000	100,000

Challenges and Difficulties:

Installing in the condenser cooling collector was much harder than anticipated creating a big cost and time overrun.

Logical Framework: No changes

Goals, Purposes and outputs: still to go

Activities [reported above]

Lessons Learned: For costs: add 10% next time

Next Steps: On 10 July, Robert Davenport flies in to see to the completion of Assembly and to commence Testing. He will be here for 3 weeks of working days [15].

In the revised budget that was provided as a response to OAS's follow on questions the following [OAS] line items have been fully expensed.

Hopper/Conveyor,	4,700
Vibratory Screen/Grinder,	3,900
Electric Auger/Elevator/spares,	5,950
Permanent Fuel Tank w/pump,	3,650
Condenser Sump Modifications,	2,600
Steam Cleaner	3,950
Shipping/Transport/Port Charges	5,800
Trucking US	350
Trucking/Crane Grenada	950

In addition:

\$2,960 out of \$4,880 for Salaries/Wages Assembly/Testing has been spent

\$3,901 out of \$8,000 for Salaries/Wages Fabrication/Davenport has been expended in Florida

Note: There have been several overages but they are not included in the funds above and will not be charged to OAS. In other words we are 2 months ahead of schedule and the money is exactly as proposed [no changes].

In the revised budget that was provided as a response to OAS's follow on questions the following [co-financing] line items have been fully expensed.

Feed Handling Equipment/Spares	3,024
Tools, Hoists, Spares, Etc	2,631
Catwalk, Stairs & Container mods	3,400
Travel	2,000

In addition:

\$15,099 out of \$33,120 for Salary/Aronson [in kind] has been spent

\$219 out of \$1,050 for Salt and Water Treatment has been spent

\$753 out of \$1,000 for Oxy Acetylene/Welding supplies has been spent

Complete Breakdown of Lead Budget Items [receipts available]

Hopper/conveyor Junk Yard Steel	(OAS)	700.00	A
2/11	Drum Liners HD	85.52 c	A
2/11	Band-it Drum liner bands	34.11 c	A
2/15	NTool casters, jack, cart	559.53 c	A
2/20	Florida Motor Motors	663.14 c	A
2/21	Grainger pulley drive stuff	188.79 c	A
2/22	Grainger roller chain	230.64 c	A
2/25	Grainger sprockets	93.77 c	A
2/27	machine work	60.00	A
3/1	machine shop	30.00	A
3/8	webster farm barrels [6]	73.83 c	A
	Davenport	760.67	
Share of general expenses [see below]		1,220.00	
Total		4,700.00	

Grinder Junk Yard Steel	(OAS)	100.00	B
2/13	Miami [plate] Magnet	216.51 c	B
2/20	tigertec grinder	1,051.00 c	B

2/20	Florida Motor Motors	331.57 c	B
2/25	Ace wood for frame	25.80 c	B
2/25	Thomas bearings rod	110.06 c	B
2/28	Thomas belts	84.70 c	B
	Davenport	760.36	
	Share of general expenses [below]	1,220.00	
	Total:	3,900.00	

	Elevator Junk Yard Steel (OAS)	700.00	C
2/19	ACE hdwr tools	64.01 c	C
2/19	Marcella gearbox	421.35 tgp 2097	C
2/20	Florida Motor Motors	663.14 c	C
2/20	McMaster Carr sprockets	58.70 c	C
2/21	Grainger pulley drive stuff	188.79c	C
2/22	Grainger roller chain	345.96 c	C
2/25	Grainger sprockets	187.54 c	C
3/5	jungle machine shop	260.00 c	C
	Davenport	1,460.51	
	Share of general expenses [below]	1,600.00	
	Total:	5,950.00	

	Fuel tank Junk Yard Steel (OAS)	700.00	D
2/5	couplings ACE	22.45	D
2/5	paint	55.71 c	D
2/10	Goggles paint tray WMart	10.14	D
2/10	Tarp & line WMart	24.46 c	D
2/20	Florida Motor Motors	331.57 c	D
3/1	Lowes plumbing	186.05 lowes	D
3/5	Grainger blue lock joint	12.93 c	D
3/6	Thomas HYD hoses	296.17 c	D
3/8	kraissl gaskets	45.34 c	D
	Davenport	1,080.18	
	Share of general expenses [below]	885.00	
	Total:	3,650.00	

	Condenser Sump Junk Yard Steel (OAS)	600.00	E
Lowes	25 X 2" Schedule 40 pvc pipe	450.00	E
2/11	ADRosier pipe hangers	11.17	E
2/12	ACE roof coat	14.97 c	E
2/13	Hughes 2" elbows	191.22 c	E
2/13	used rainbird	20.00	E

2/19	Lowes plumb & hdwr	190.63 c	E
2/26	Tuckers steel	293.08 c	E
2/28	Grainger SS mesh	153.50 c	E
Lowes	8 x 1" pvc schd 40	96.00 c	E
	Davenport	579.43	
Total:		2,600.00	

2/13	NTool pressure washer (OAS)	3,709.99 c	G
	Share of General expenses [below]	240.01	
Total:		3,950.00	

Lowes	40 X bags salt softener (TGP)	219.00	H
-------	-------------------------------	--------	---

2/6	oxy/acetyl + cart Airgas (TGP)	452.53 c	I
	Out of General expenses [below]	300.00	
Total:		752.53	

Feed Handling equipment/spares (TGP)

2/7	Lowes tools & HDWR	738.10 c	K
2/7	Impak, desiccant	66.32 c	K
2/7	gear oil/belts cooker	449.62 c	K
2/9	ACE Magnet gearbox	7.99	K
2/19	Thomas 85w-140	143.21 c	K
2/20	CES Transformer	296.15 c	K
2/21	Grainger selector switch	94.90 c	K
2/21	lowes plumb hdwr	311.64 c	K
2/26	Tuckers steel	293.08 c	K
3/5	ntool pwasher soap	86.28 c	K
3/5	ntool pwasher soap	15.88 c	K
3/5	ntool ladder blower	254.38 c	K
3/5	Grainger mirror	46.59 c	K
3/6	Fastenal tap & drill	38.24 c	K
3/8	lowes pvcboxes gloves discs	140.66 c	K
3/8	fastenal cooker thread rod	17.24 c	K
3/10	thomas tap & drill	23.64	K
Total:		3,023.92	

Tools Hoists Spares (TGP)

2/5	6 galv schedule 40 pipe	294.00	L
2/5	tools Northern Tool	228.91 c	L
2/7	Webster Motor&heater	967.29 c	L

2/7	Bacharach refill kit	118.61 c	L
2/9	Napa 2cycl lube/silicone	30.46	L
2/9	LDL chainsaw	302.90	L
2/11	Nor tool tools	95.37 c	L
2/25	parts cleaner	117.99 c	L
2/26	Tuckers steel	293.08 c	L
3/6	ntool cat oil & discs	34.94 c	L
3/6	tuckers steel	147.91 c	L
Total:		2,631.46	

Catwalk, Stairs & Top Container Mods (TGP)			
	Junk Yard Steel	354.00	M
2/11	Lowes plumb, insulation	491.30 c lowes	M
2/13	Lowes, materials & HDWR	446.92 c	M
2/26	Tuckers steel	293.08 c	M
	Erection/Grenada	800.00	
	Davenport	364.70	
	Share of general expenses [below]	650.00	
Total:		3,400.00	

Complete Breakdown of General Expenses [receipts available]

1/27/13	tire tube repair kit	4.32	gen
2/4	lunch Davenport	15.03 c	gen
2/6	thread cut oil Ace	14.43 c	gen
2/6	carb clean WMart	50.12 c	gen
2/6	lock tite WMart	8.15	gen
2/6	Grainger various	971.84 c	gen
2/7	Lowes tools & HDWR	369.05 c lowes	gen
2/8	ACE plumb/vise grip	27.27	gen
2/9	ACE grinder discs	35.44	gen
2/9	envelope & stamps WMart	10.21	gen
2/10	gas	28.00 c	gen
2/10	gas davenport	47.50 c	gen
2/11	gas davenport	85.00 c	gen
2/11	Airgas weld rod	85.48 c	gen
2/11	Airgas weldrod & gas	141.24 c	gen
2/12	Grainger, switch,pump	357.01 c	gen
2/13	Grainger drum switch	144.45 c	gen

2/13	Hughes rectorseal	14.24 c	gen
2/14	gas	34.00 c	gen
2/14	seals for motors	98.59 c	gen
2/15	ACE tools HDWR	58.64 c	gen
2/15	gas	85.00 c	gen
2/15	ACE HDWR	11.20 c	gen
2/15	auto parts paint w/rod	74.74 c	gen
2/16	ACE HDWR	3.93	gen
2/16	ACE HDWR	4.94	gen
2/16	Webster Farm HDWR	38.82 c	gen
2/16	gas	32.82 c	gen
2/16	Auto pts HDWR	68.08 c	gen
2/16	NAPA carb cleaner	2.13	gen
2/17	Lowes tools	64.72 c	gen
2/17	Lowes return	<15.38> c	gen
2/18	machine shop	60.00	gen
2/18	gas	37.00 c	gen
2/18	ACE plumb	4.81	gen
2/18	Thomas auto parts	36.12 c	gen
2/18	Bearings Benj & assoc	399.43 c	gen
2/19	Webster hdwr	6.08	gen
2/19	Webster hdwr & plumb	25.99	gen
2/19	Webster tools	26.20 c	gen
2/19	Webster bolts	10.94	gen
2/19	NAPA carb cleaner	8.52	gen
2/19	Airgas oxygen acetelyne	86.73 c	gen
2/19	gas	40.51 c	gen
2/20	Webster nuts & bolts	15.46 c	gen
2/20	Grainger Chain	33.85 c	gen
2/20	Florida Motor shipping	159.45 c	gen
2/21	gas	34.01 c	gen
2/21	Webster hdwr	3.34	gen
2/21	lowes plumb hdwr	103.88 c	gen
2/21	machine shop	60.00	gen
2/21	webster plumb	34.74 c	gen
2/21	ACE plumb	11.23	gen
2/21	webster hdwr	17.85	gen
2/21	WMart cleaning	7.00 partial	gen
2/21	CES gloves	12.84 c	gen
2/21	Grainger switches/floats	537.82 c	gen
2/22	WMart cleaning	13.00 c partial	gen

2/22	Webster plumb	7.78	gen
2/22	Webster hdwr	5.65	gen
2/22	Webster hdwr	8.86	gen
2/22	ACE hdwr paint	12.09	gen
2/22	gas	34.51 c	gen
2/22	ACE plumb	10.15	gen
2/22	Webster hdwr	2.24	gen
2/23	ACE plumb	2.67	gen
2/23	Webster hdwr	9.10	gen
2/23	Webster hdwr	26.55 c	gen
2/26	gas	90.02 c	gen
2/26	gas	48.50 c	gen
2/27	Webster bolt	1.50	gen
2/27	Webster hdwr	6.41	gen
2/27	Webster hdwr	14.78 c	gen
2/28	gas	33.00 c	gen
2/28	ace gloves bevel	23.94 c	gen
2/28	ace hdwr	.50	gen
3/1	ace tape	6.41	gen
3/1	Webster cut off wheels	16.00 c	gen
3/1	gas	56.00 c	gen
3/1	Air gas refund	<12.13> c	gen
3/2	Lowe's plumb and vac	60.89 c	gen
3/2	Lowe's refund	<38.78> credit	gen
3/2	Webster hdwr	2.99	gen
3/2	Webster hdwr	5.97	gen
3/3	gas	40.97 c	gen
3/4	Hbr freight sling winch	43.99 c	gen
3/4	Webster hdwr	25.86 c	gen
3/5	Webster hdwr	5.41	gen
3/5	ace plumb	10.49	gen
3/5	ace plumb	36.34 c	gen
3/5	airgas oxygen	15.82 c	gen
3/7	gas	35.01 c	gen
3/7	ace hdwr	24.04 c	gen
3/7	ace hdwr	5.91	gen
3/7	ace hdwr	15.30	gen
3/7	ace hdwr	18.86 c	gen
3/8	ace fasteners	4.43	gen
3/8	ace plumb	6.41	gen
3/8	ace plumbing	18.71 c	gen

3/8	ace pipe/plumb	15.26		gen
3/8	scale	500.00		gen
3/8	gas	85.00		gen
3/9	WMart tape	6.37	c	gen
3/11	gas	19.00	c	gen
3/11	tip, labor and forklift load out	273.00		gen
TOTAL general expense		6,400.09		