Io Extractor Comparion

LUNA TECHNOLOGIES

				Luna Tech IO Extractor		Bizzy Bee
				2 units	4 units	Beest (4x)
Operating Cost	Consumables		$/mo	11,813	23,625	66,300
	Electricity		$/mo	3,912	7,824	535
	Labor		$/mo	10,500	21,000	58,800
	Total Monthly Operating Cost		**$/mo**	**$26,224**	**$52,449**	**$125,635**
Operations	Daily Operating Hours		hrs	20	20	20
	Days per Week		days	5	5	5
	Target Capacity		**lbm/day**	**600**	**1200**	**320**
Equipment Cost	Cost		$	$349,000	$349,000	$90,000
	Number of Extraction Units Required		units	2	4	4
Equipment Performance	Average Throughput per skid (dry trim)		lbm/hr	15	15	4
	Total Throughput (dry trim)		lbm/hr	30	60	16
Consumables	Extraction Solvent Waste		lbm/lbm	0.15	0.15	0.15
	Solvent Cost		$/lbm	$6.25	$6.25	$6.25
	Consumable Cooling Medium			n/a	n/a	Liquid CO_2
	Consumable Cooling Cost		$/lbm	n/a	n/a	$8.93
	Total Consumable Cost		**$/lbm**	**$0.94**	**$0.94**	**$9.87**
Electricity	Electricity Cost		$/kWhr	0.1769	0.1769	0.1769
	Process Cooling (per skid)		kW	20.7	20.7	0.0
	Process Heating (per skid)		kW	4.4	4.4	1.8
	Solvent Pump (per skid)		kW	1.0	1.0	0.0
	Compressed Air (per skid)		kW	0.2	0.2	0.0
	Total Electricity		**$/lbm**	**$0.31**	**$0.31**	**$0.08**
Labor	Extractor Labor Rate		$/hr	20	20	20
	Extractor FTE		FTE	0.5	1	4
	Production Assistant Labor Rate		$/hr	15	15	15
	Production Assistant FTE		FTE	1	2	4
	Extraction Labor		$/lbm	$0.33	$0.33	$5.00
	Production Assistant Labor		$/lbm	$0.50	$0.50	$3.75
	Total Labor		**$/lbm**	**$0.83**	**$0.83**	**$8.75**

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