

High Strength Waste Receiving Analysis

	*Scenario 1	**Scenario 2	***Scenario 3
Total Annual Costs (Debt Service + O&M)	(\$51,255)	(\$51,255)	(\$51,255)
Projected Annual Tipping Revenue	\$56,680	\$42,510	\$56,680
Projected Annual Natural Gas Savings	\$41,369	41369	48091
Annual Increase in Revenue	\$46,794	\$32,624	\$53,516
Payback Years	9.2	13.2	8.1
*Scenario 1 assumes \$.02/g tipping fee and NG savings of 80% of metered values *Scenario 2 assumes \$.015/g tipping fee and NG savings of 80% of metered values **Scenario 3 assumes \$.02/g tipping fee and NG savings of 93% of metered values			

HSW Volume Received, gal/wk	54,500
Solids Content of HSW, mg/L	10,000
Digestable Content of HSW, %	80%

Receiving Station Construction Cost	\$431,000
Annual Debt Service	\$26,967

Operation and Maintenance Costs

	Hours/Week	\$ per hour	\$ per week	Annual Cost
Labor	5	\$34	\$170	\$8,840
Annual Electricity	\$345	(\$195 pumping, \$50 lighting, \$100 HVAC)		
Disposal Costs				
	\$/Per Gallon	Volume, gal	Annual cost	
<i>Contract Hauling and Disposal</i>	\$0.0350	141,700	\$4,960	
<i>Dewatering</i>			\$1,200	
<i>Centrate Treatment</i>	\$0.0035	2,692,300	\$9,288	
		Total	\$15,448	

Revenues

Tipping Fees	Ave. Gallon/wk	Rev. at \$.015/g	Rev. at \$.020/g
	54,500	\$42,510	\$56,680

Natural Gas (NG) Savings Savings estimated on actual metered gas usage. Only 7% of natural gas is utilized by equipment that could not use biogas.