

Class 5 Capital Cost Estimate for Wastewater Solids Alternatives FOG Receiving Alternative 1 - Hydronic Separation Albany County, NY					
Item	Unit Costs		Quantity	Class 5 Total	Notes
FOG Receiving Building	\$	200 /square foot	4000 SF	\$800,000	Butler Building
FOG/Septage Drivebay	\$	125 /square foot	1700 SF	\$212,500	Butler Building Shell - no Insulation
Preliminary Screening System		\$405,000 /unit	1 unit	\$405,000	Vendor quote - two FOG Receiving
Installation		30% of equipment costs		\$121,500	
Pumps to Decant Tanks		\$10,000 /unit	2 unit	\$20,000	Redundant. Assumes 5-10 HP pump
Conical Decant Tanks (20,000 gal)		\$100,000 /unit	3 unit	\$300,000	Vendor Estimate
Installation		40% of equipment costs		\$120,000	
Pumps to Separation System		\$10,000 /unit	2 unit	\$20,000	Redundant. Assumes 5-10 HP pump
FOG Hydronic Separation System		\$900,000 /unit	1 unit	\$900,000	Vendor Quote (installed)
Automation, Connectivity, Storage, and Integration		\$350,000 /lump sum	1 LS	\$350,000	Vendor Quote
Additional Boiler (Auxiliary Heating)		\$100,000 /unit	1 unit	\$100,000	Vendor Estimate
Subtotal A				\$3,300,000	
Misc. Demolition		5% of "A"		\$165,000	
Civil		5% of "A"		\$165,000	
Yard Piping		5% of "A"		\$165,000	
Electrical, Instrumentation & Controls		30% of major mechanical equipment		\$433,500	
Subtotal B				\$4,200,000	
Startup and Construction Sequencing		2% of "B"		\$84,000	
Construction Easements		0% of "B"		\$0	No Easement Necessary
General Conditions		15% of "B"		\$630,000	
Contractor Overhead and Profit		15% of "B"		\$630,000	
Sales Tax		0% of equipment and supplies		\$0	Tax Exempt
Bonds and Insurance		2.5% of "B"		\$105,000	5,
Subtotal C Construction Costs				\$5,600,000	
Planning and Permitting		lump sum		\$20,000	
Engineering		10% of total construction costs		\$560,000	
Construction Management		10% of total construction costs		\$560,000	
Subtotal Project Costs				\$6,800,000	
Estimating Contingency (includes market factor contingency)		30% of subtotal Project Costs		\$1,680,000	
Total Project Cost				\$8,500,000	