

## Incinerator Comparison Table

Company	ENERWASTE	ADVANCED COMBUSTION SYSTEMS (ACS)	CROCHET EQUIPMENT
Location	Bellingham, Washington	Bellingham, Washington	Louisiana
Phone/Contact	(360) 738 1254 Jerry Dewig	1(800) 445 0243 Mike	(225) 927-2019 Ronnie Crochet
Model/Size	2.5 ton/day BOS	CA-750 (750 lbs/hr)	CEC Model 1030
Shipping	\$12,000 fob Washington	\$12,000 fob Washington	\$18,000 fob Louisiana
Other installations in AK	Ft. Greely has a 4T system with auto ash removal, Egegik has a 3.5 ton/day system	Glacier Bay NPS, Tuntutuliak, Kotzebue, Ketchikan.	Sand Point
Construction requirements	Can be installed outside on a cement pad or in a building structure	Should be installed on a cement pad, preferably in a building or shelter, even if it's just a roof	Should be installed outside, no building, on flat ground, no cement pad needed
Other installations in AK	Ft. Greely has a 4T system with auto ash removal, Egegik has a 3.5 ton/day system	Glacier Bay NPS, Tuntutuliak, Kotzebue, Ketchikan.	Sand Point
Incinerator cost with basic attachments, foundation and shelter	Incinerator unit \$169,000 Feed conveyor \$18,000 Waste oil burner \$15,000 Ash removal system \$30,000 Concrete pad & shelter \$30,000 (e)	Incinerator unit \$159,797 Automatic loader \$43,564 Ash removal system \$42,964 Waste oil burner \$6,115 Maintenance platform \$10,000 Concrete pad & shelter \$30,000(e)	Incinerator unit \$280,500 (cost all-inclusive), pad and shelter are not needed.
On-site training and install costs	5 day set-up and training included. \$500/day +expenses for extra days basic attachment install. Total estimated at \$4000	\$1250/day for set-up and training. # of days depends on attachments being installed. Min 5 days, max 15 days. Total: estimated at \$10,000	Cost includes free on-site tech set-up, inclusive
Total costs (inc. basic attachments, shelter, setup)	\$278,000, excluding generator	\$304,440, excluding crane rental, generator	\$298,500
Equipment to transport & set-up at Landfill	Forklift or small crane, flatbed to transport	Large forklift, 50 ton crane, flatbed	Flatbed, forklift and small crane (10-15 ton)
Skilled and local labor for set-up	Elec/plumber needed	Electrician and plumber for a few days for hook up.	Same.
Burn Cycle	24 hr cycle	Continuous burn	3 to 4 hours burn time for 2-4 days of waste
How often need to burn	Daily	Daily	Every 2-4 days
Operation	Low. 1-2 hours per day	High. Need to load on a continuous basis.	Low. Requires a small period for start up time and an auto timer will shut-off unit.
Fuel Usage	<b>35 to 65 gal per day</b> or 245 to 455 gallons per week, depending on operation temp and batch size. Up to 25% of fuel can be used oil but bulk of our used oil is used for heating elsewhere.	Average fuel usage is 6.6 gal/hr (unit would run 5-6 hrs daily ,using <b>33-40 gallons per day</b> or 231-280 gallons per week). Up to 25% of fuel can be used oil, but bulk of our used oil is used for heating elsewhere.	15 gallons of fuel to burn 4 days of waste (i.e. An average of <b>2 gallons per day</b> or 14 gallons per week
Electrical hookup required?	No, but generator cannot replace fuel use, so additional to fuel to what is listed above is needed.	No, but generator cannot replace fuel use, so additional to fuel to what is listed above is needed.	No. Generator can be used, for similar costs were electrical hookup available.
Electricity Usage	Avg power used: 64kw/day	Avg power used: 28 kw/day	Avg power used: 28 kw/day
Overall	Lowest emissions, low operation, but extremely high fuel consumption.	Lowest emissions, but must burn daily with continuous staff involvement, and extremely high fuel consumption.	Low emissions, lowest operation, high flexibility with frequency of burning, very low fuel consumption, can be converted to all electrical.