EMC WATER EATER
Energy Cost Worksheet

Use the following formula to determine the energy costs to evaporate one gallon of water with each EMC Water Eater model. Actual evaporation rates and energy costs will vary depending upon the composition of the waste stream.

MODEL 85E (Electric)

The Model 85E electric thru-floor heaters use 11.4 Kilowatts/Hour of electricity. Assuming an *average* evaporation rate of 5 Gallons per Hour:

11.4 Kilowatts per Hour / 5 Gallons per Hour Evaporation = 2.3 Kilowatts per Gallon Evaporated
2.3 Kilowatts per Gallon Evaporated **X** $._____ (Your Cost per Kilowatt Hour) =
$._____ ENERGY COST PER GALLON EVAPORATED

MODEL 125E (Electric)

The Model 125E immersion heaters use 27.0 Kilowatts/Hour of electricity. Assuming an *average* evaporation rate of 12 Gallons per Hour:

27.0 Kilowatts per Hour / 12 Gallons per Hour Evaporation = 2.2 Kilowatts per Gallon Evaporated
2.2 Kilowatts per Gallon Evaporated **X** $._____ (Your Cost per Kilowatt Hour) =
$._____ ENERGY COST PER GALLON EVAPORATED

MODEL 120G (Gas)

The Model 120G uses 200,000 BTU/Hour. Assuming an *average* evaporation rate of 12 Gallons per Hour (Auto Fill Mode)

200,000 BTU/Hour = 1.9 Therms / Hour
$_____(Your Cost per Therm) **X** 1.9 Therms = $_____ Energy Cost per Hour
$_____ Energy Cost per Hour / 12 Gallons per Hour Evaporation =
$._____ENERGY COST PER GALLON EVAPORATED

MODEL 240G (Gas)

The Model 255G uses 285,000 BTU/Hour. Assuming an *average* evaporation rate of 18 Gallons per Hour (Auto Fill Mode):

285,000 BTU/Hour = 2.7 Therms / Hour
$_____(Your Cost per Therm) **X** 2.7 Therms = $_____ Energy Cost per Hour
$_____ Energy Cost per Hour / 18 Gallons per Hour Evaporation =
$._____ENERGY COST PER GALLON EVAPORATED

MODEL 375G (Gas)

The Model 375G uses 400,000 BTU/Hour. Assuming an *average* evaporation rate of 40 Gallons per Hour (Auto Fill Mode):

400,000 BTU/Hour = 3.8 Therms / Hour
$_____(Your Cost per Therm) **X** 3.8 Therms = $_____ Energy Cost per Hour
$_____ Energy Cost per Hour / 40 Gallons per Hour Evaporation =
$._____ENERGY COST PER GALLON EVAPORATED