

POOL WATER HEATING SYSTEM COMPARISON CHART

All systems are to are assumed to have a peak capacity of 3,000,000 BTU per hour, and will meet pool water heating load requirements of 8,640,000,000 BTU over the course of one year

	OPTION 1	OPTION 2	OPTION 3
	Description		
	New natural-gas fired 3MBH pool heater with 97% efficiency proposed by the pool contractor to replace the older heater.	Four (4) new 300kW all-electric pool heaters at 97% efficiency, with new 1400amp 480v Electrical service upgrade.	New 350kW Heat Pump Chiller unit requiring a new 600amp 480v Electrical service upgrade, with new back-up natural-gas fired 3MBH boiler.
	Annual Power/Fuel Requirements		
Power		2,610,556 kWh	738,182 kWh
Nat. Gas	89,072 Therms		13,732 Therms
	Power/Fuel Rates		
Power			
Nat. Gas			
	Annual Power/Fuel Costs		
Power			
Nat. Gas			
	TOTAL Annual Power/Fuel Costs		
	Added Capital Costs and Project Costs		
	\$0.00	\$47,386	\$495,782
	Equipment priced in Base Estimate and Project Budget	Equipment cost differential and electrical service upgrade	Equipment cost differential and electrical service upgrade