INDIRECT & LARGE STORAGE GAS WATER HEATERS  

**Indirect Gas Water Heaters**

1. Storage tank Manufacturer/Model No. ____________________
2. Boiler and Instantaneous Heater Manufacturer/Model No. ____________________
3. Storage tank insulation R-value: Tank _______  External _______  Total = _______  
4. Storage tank volume (gallons) _______  
5. Boiler AFUE or Instantaneous Water Heater Thermal (Recovery) Efficiency  \( \text{EFF} = \frac{\text{ARL} + JL}{0.98 \times \text{EFF}} + (PE \times 0.00876) \)  \( \text{BEU} = \) _______  

Large Storage Gas Heater\(^1\) (> 75,000 Btuh input)

1. Water Heater Manufacturer ____________________  
2. Water Heater Model No. ____________________  
3. Storage Tank Volume (gallons) VOL = _______  
4. Water Heater Thermal (Recovery) Efficiency (decimal fraction)  \( \text{EFF} = \) _______  
5. Adjusted Recovery Load (Mbtu/yr) (From Line 1e, DHW-1 for single family or Line 11b, DHW-2B for multi-family)  \( \text{ARL} = \) _______  
6. Standby Loss % (from appliance database - e.g., “2.7”)  \( \text{SBL\%} = \) _______  
7. Basic Energy Use:  \( \text{BEU} = \frac{\text{ARL} + \left(5.461 \times \text{SBL} \times \text{VOL}\right)}{\text{EFF} \times 100} \)  \( \text{BEU} = \) _______  

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\(^1\) The Domestic Hot Water Heating forms (DHW series) restrict the user to only one Large Storage Gas Heater per permitted space. In order to use more than one Large Storage Gas Heater the computer performance method must be used.