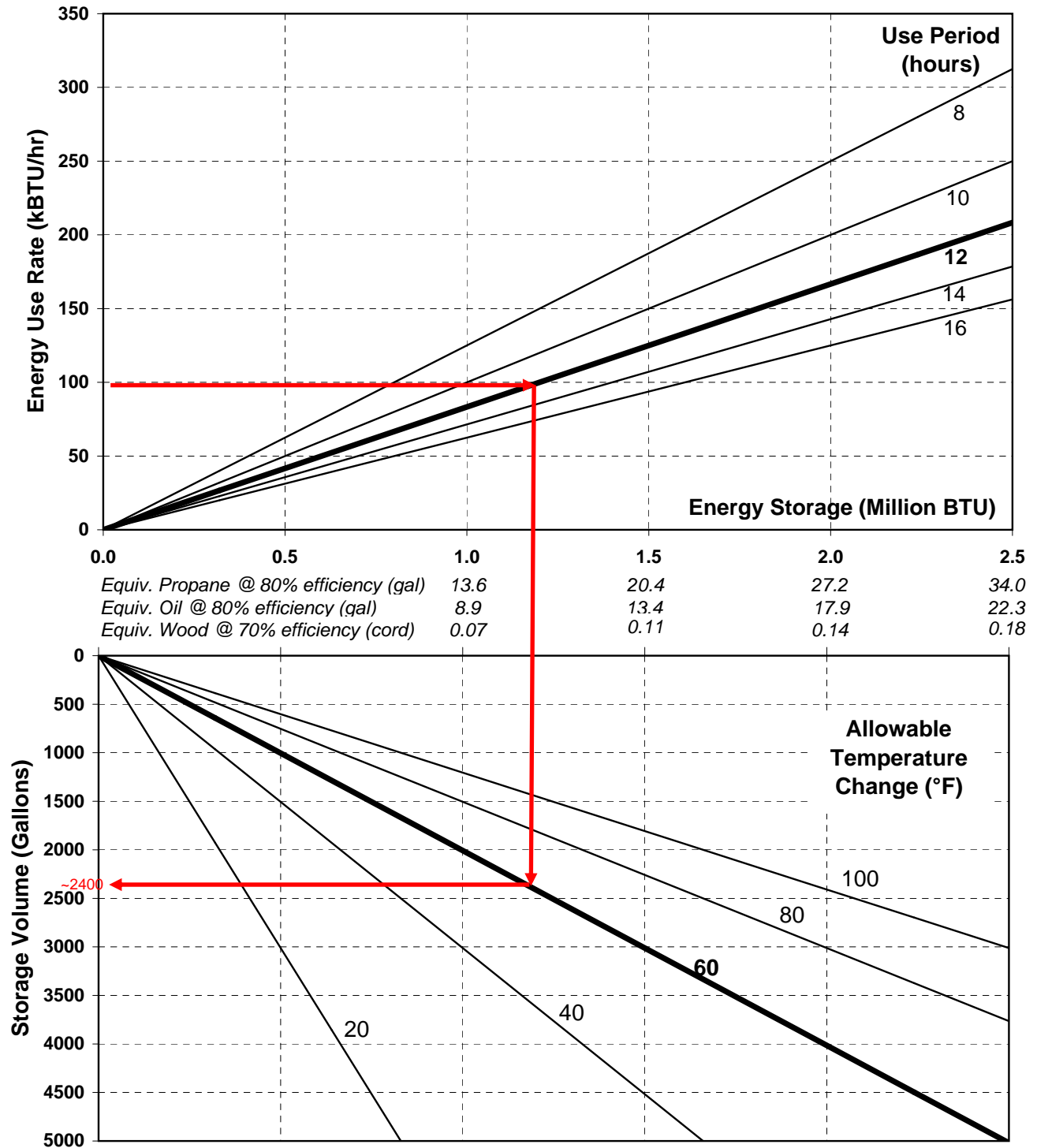


## Hot Water as Energy Storage



**Example:** Assume a heat duty of 100,000 BTU/hr (100 kBTU/hr) and a night time period of use of 12 hours. The corresponding energy storage required is approximately 1.2 Million BTU. If the water temperature is allowed to change 60 °F (e.g. from 180 °F to 120 degF) the water volume required is about 2400 gallons.