E.g.: Energy stored in an inductor: Consider a 10 m radius size coil. 30 ft. height.

$$\begin{split} L = & \, \mu_o n^2 \pi R^2 \cdot \ell = 4 \pi \times 10^{-7} (1000)^2 \, 3(10)^2 \cdot 30 \\ = & \, 1 \cdot 2 \times 10^4 \, \, H \end{split}$$

$$v_L = \left(\frac{1}{2}^2 \times 10^6\right) (100)^2 = 10^2 \text{ M.J.}$$

My house used 1800 kwh x 3600 s = 6.5×10^6 J/month. Therefore the above stored energy will last for 12 months.