$$W = \int \rho(\mathbf{x})\Phi(\mathbf{x})\, d^3x = \frac{\epsilon_0}{2}\int |\mathbf{E}|^2\, d^3x$$ Energy to bring charges from ∞ (4.83)

$$W = \frac{1}{2}\int \mathbf{E}\cdot\mathbf{D}\, d^3x$$ Energy stored in electric field (4.89)

$$\Delta W = -\frac{1}{2}\int_{V_1} \mathbf{P}\cdot\mathbf{E}_0\, d^3x$$ Dielectric placed in $\mathbf{E}_0$ (4.93)

$$W = \frac{1}{2}\int \mathbf{J}\cdot\mathbf{A}\, d^3x = \frac{1}{2\mu_0}\int |\mathbf{B}|^2\, d^3x$$ Energy to ramp current from zero (4.83)::(5.149)

$$W = \frac{1}{2}\int \mathbf{H}\cdot\mathbf{B}\, d^3x$$ Magnetic energy in fields (4.89)::(5.148)

$$\Delta W = \frac{1}{2}\int_{V_1} \mathbf{M}\cdot\mathbf{B}_0\, d^3x$$ Energy to place permeable object in $\mathbf{B}_0$ (4.93)::(5.150)