



Third step is to use the above information and the system voltage (11000 V) to find the current flow (Amps) that must be supplied by the generators on line to meet demand.

$$\text{Current flow} = \frac{\text{Real power (W)}}{\text{voltage (V)} \times \text{p.f.}}$$

$$\text{Current flow} = \frac{56500000}{11000 \times 0.872}$$

$$\text{Current flow} = 5889.67 \text{ Amps}$$

