

For a given hour  $h$ , we calculate the power as a kilowattage by aggregating the sum total kilowatt hours of energy consumed over the 4 recorded 15 minute intervals

$$\sum_{i \in INT} kWh_{h+i} = kWh_h$$

Where:

$INT = \{0, 15, 30, 45\}$  (minutes)

$kWh_t$  is the recorded kWh for 15 minutes from timestamp  $t$