AUTHORED SYNTHETIC DOCUMENT

A half-hour reporting interval

DEMO-METER / Revision B / Section 3

03 SOURCE PASSAGE

For the example interval, average power P_avg is 2 kW.

The interval duration is 30 minutes.

Convert the duration to hours before calculating energy:

$$E = P_{avg} \times \Delta t$$

This note contains no equipment limits or operating instructions.

GLOSSARY D-04

P_avg	Average power in kilowatts (kW)
Δt	Duration in hours (h)
E	Energy in kilowatt-hours (kWh)

INTERVAL GEOMETRY

Illustrative area = average power × elapsed time



30 min ÷ 60 = 0.5 h → 2 kW × 0.5 h = 1 kWh

Units matter: a bare “30” does not establish a duration in hours.

Sample only. Not plant data, engineering advice or model output.

Unit context: EIA, Measuring electricity (see unit-sources.json).