ENERGY PILOT MEASUREMENT PLAN / ILLUSTRATIVE CASE

How will we know whether this energy pilot worked?

The management decision

Agree the success measure and the evidence needed before the trial starts. A gap during the busiest shift may leave you with too little information for a rollout decision.

A promising pilot can leave managers unsure what caused the result if they did not agree what to measure or how to compare it. By planning the measurement before the change, you give the project a fair chance to show whether it worked and whether a wider rollout merits investment. It gives colleagues an agreed set of checks to review alongside the result.

Worked example

Seven ordinary 24-hour days at 15-minute intervals give 672 expected readings. If 30 are missing, 642 remain for analysis. A count of available readings alone cannot show whether the trial covered important conditions.

Example figure	What it represents
672	Readings expected
30	Missing readings
642	Readings received

What changes the answer

If the 30 gaps all occur during the busiest shift, the trial may miss the very effect managers want to test. Agree the required coverage of busy periods in advance.

Energy pilot measurement plan

What to commission

Design the measurement plan for one proposed trial before it starts, covering busy periods and expected interruptions.

We agree how operating changes, interruptions and gaps should be recorded. We also identify periods that must be covered for a fair comparison, such as busy shifts or times when demand typically peaks.

How to judge the result

The site team has a recording schedule and an agreed rule for deciding whether enough comparable readings were collected.

Compare the observed result with the threshold for wider investment. Record unusual operating conditions and decide when the pilot needs more evidence.

Decision worksheet

Project detail	Starting point for your team
Decision owner	Energy pilot sponsor. Name the person who will approve the next step.
Records to gather	The proposed trial, the decision it will inform and what the site can measure today.
Agreed output	A measurement plan, a site log template and an approach for analysing the results.
Decision date	Record the deadline, any unresolved assumption and who will confirm it.

Discuss this case

Tell us what you want the trial to prove, when it starts and how soon you need to make a decision about wider use. Mention what meters are already available and which working periods matter most. We can discuss a plan that fits the site’s practical constraints.

Email info@oxetc.co.uk and mention ENG-18. All figures in the worked example are illustrative.