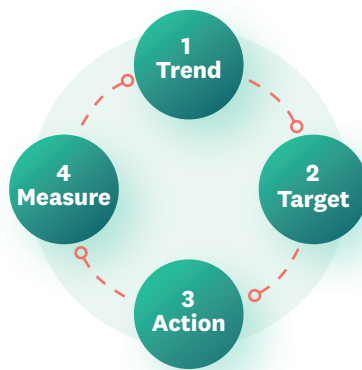


# Best Practice Energy Measurement

The most important step in energy management is measuring and accounting for energy consumption. By measuring current energy use, achievable targets can be set for reducing energy and cost. When these changes are made and targets are achieved, success can be easily recognised.

Best practice energy management is an ongoing process that takes on four simple circular steps.



- 1. Trend** – The simplest way to determine current energy use and establish a baseline trend is to collect monthly bills data. This can be input into an Energy Benchmarking Tool to as a first point of implementing energy management. The Energy Benchmarking Tool helps to identify what information is needed to collect and track this data over a select period. For best results, it is recommended to input at least 12 months’ worth of data, this can be historical. This enables visibility of possible production influence and seasonal variations which can impact energy demand.
- 2. Target** - Determining a target will establish energy and cost savings potential. The Energy Benchmarking Tool demonstrates sector specific best-practise energy use and targets. This enables comparison of your businesses’ performance to anonymous industry benchmarks, enabling businesses to see what they are doing well, and identify opportunities for improvement.
- 3. Action** - Undertake process optimisation and improvement activities to reduce energy and move toward targets. Process improvement looks at optimising current equipment. You can challenge a process by asking ‘why’, diving deeper to understand optimal operating set points to align with your processes, and not be complacent with how the system has always operated. Tangible actions for specific sectors can be found within the EECA Sector Decarbonisation Programme.
- 4. Measure** - Review the ‘step change’ achieved from optimisation and improvement activities to evaluate energy and cost savings. Revisit measurements after incremental improvements to determine the cost avoidance and emissions reduction your actions have achieved. Aim to continue improvements and sustain your trends.