



**control:** energy usage

## SmartEnergy™

An online service complementary to **SmartView™** allows for the delivery and full use of your energy interval data allowing for the control of energy use and subsequent control of carbon output.

In association with Eutility Trading AFS Licence No: 480703

# Graphs and Charts

## Demand

Identify key areas where demand may be shifted or reduced as well as important data for those on contracted and rolling capacity tariffs.

## Calendar

See a detailed overview of your energy performance on a monthly basis. The calendar enables you to instantly identify wastage and trends by day so you can reduce costs.

## CO<sub>2</sub>

This product provides carbon data suitable for use in sustainability reports.

## Time of Use

Review when energy is used in relationship to Time of Use tariffs so you can strategically shift operational practices and access optimal pricing and cost profiles.

## Climate and Power Factor

All charts and graphs provide for interval overlays of Power Factor and Climate allowing for an opportunity to be able to normalise data and manage billable demand.

# Alerts

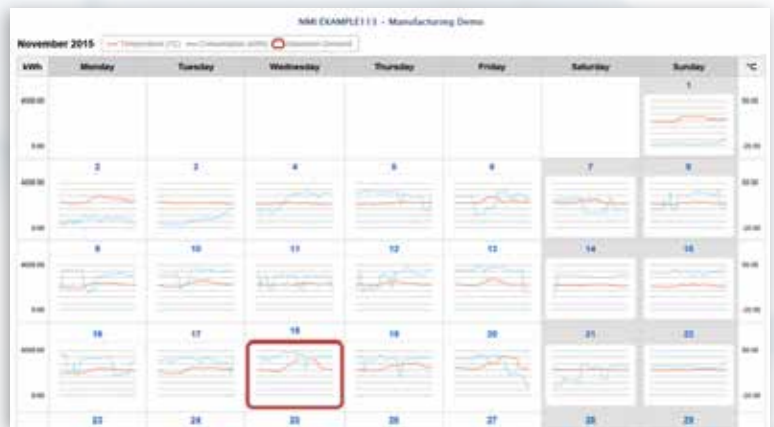
## Daily

Our Daily Usage Report will give you the opportunity to influence behavioural change on site, recognise wastage and identify meter errors.

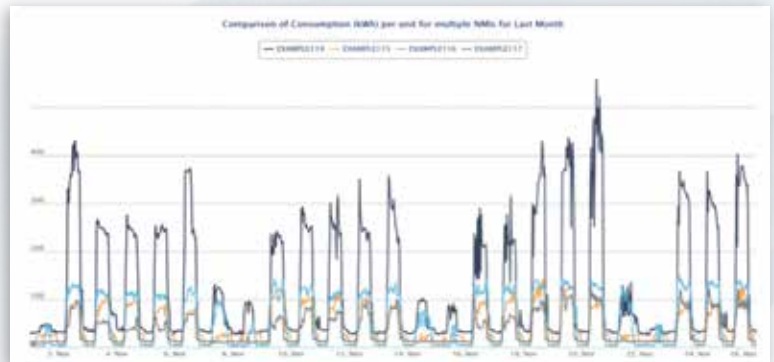
Demand and Consumption



Calendar



Overlay – Service Comparison



Overlay – Time Comparison



This graph is not normalised for productivity or climate but regression analysis on the correlating factors may be carried out and normalisation factors applied on request.



# Case Study

## SmartEnergy

An Eutility client retrofitted LED lighting in their premises and has installed Solar Panels on their roof.

- The first lighting installation occurred March 2014
- The second installation followed in July/August 2014
- The Solar Arrays were installed in September 2014 (9kW system)

Using interval meter data from our SmartEnergy platform, a brief review has been completed to demonstrate the impact of the initiatives on the annual electricity costs.

## Annual Energy Review

The following chart reviews annual data per financial year; it clearly demonstrates that there has been a significant decrease in energy usage year on year since financial year 2012-13.



## Summary

Although the report does not normalise the data for factors such as climatic variation and production numbers there has been a very clear and consistent reduction in demand, usage and cost directly attributable to the measures installed.

A reduction in consumption has a “knock on” effect, allowing a review of the network tariffs available and provides for an opportunity to further reduce costs by choosing a more cost effective tariff.

In summary, if compared to a baseline of 2013 there has been an approximate reduction of

- 30% Energy Usage
- 26% Billable Demand Charge
- 47% Annual Cost

## Demand

Review your demand management strategy and influence behavioural change on site with our Daily Demand Report

## Resolving Alerts

Every alert delivers a trigger to our Help Desk and will undergo the following resolves:

- Physical software check
- Comparison to historical data
- Review of climate feed and historical comparison
- Review of events

If all checks fail, the alert is emailed to you and escalated to your account manager.

## Data Export

Ability to export all interval data into a user defined flat file.

## Reports

### Monthly

Review expenditure and consumption across your portfolio in a hierarchical structure, with a portfolio overview that gives you the ability to drill down to site details as required.

### Annual

Our Annual Reports present your annualised usage, cost and carbon emissions in a clear way that includes baseline analysis to assist in identifying wastage so you can reduce costs. The reports also provide tariff analysis, indicative business case for installation of VPO and PFC, detailed sites rates, tariff rates and TOU periods for retailers and network providers.

## Service Comparison

Ability to select up to 10 services or locations and compare energy use over a pre-defined time period. Allows for an internal leader board, providing a benchmarking opportunity. An easy visual cue for highlighting irregularities.

## Time Comparison

Ability to select up to 7 time periods allowing a comparison for one service or location. An easy visual cue for highlighting irregularities and a method for reviewing impact of energy efficiency initiatives.

## Industry Comparison

A benchmarking tool allowing a comparison against Standard Industry Codes (SIC).

## Help Desk

### Online Queries

We will take care of all online queries for you, including online video tutorials for easy navigation.

### Engineering/Analytical Support

We have energy analysts and engineering staff available to help you understand how your site practices can be managed.

### Resolving Alerts

Your account manager is dedicated to assisting you in resolving alerts delivered if they are deemed outside normal parameters.



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