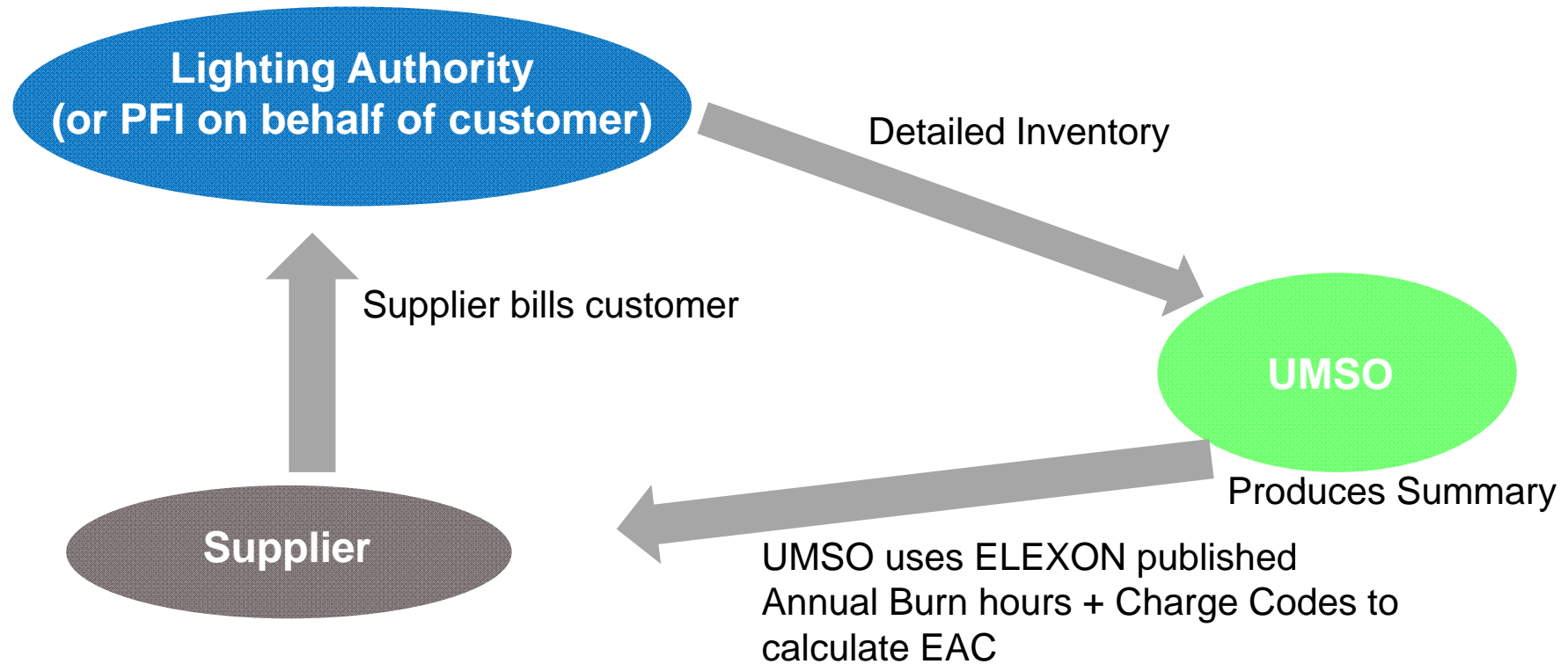


What will be covered?

- ▶ Introduction to Power Data Associates
- ▶ Non Half Hourly and Half Hourly Explained
- ▶ Savings from DUoS
- ▶ Carbon Reduction Commitment
- ▶ Central Management Systems
- ▶ Questions



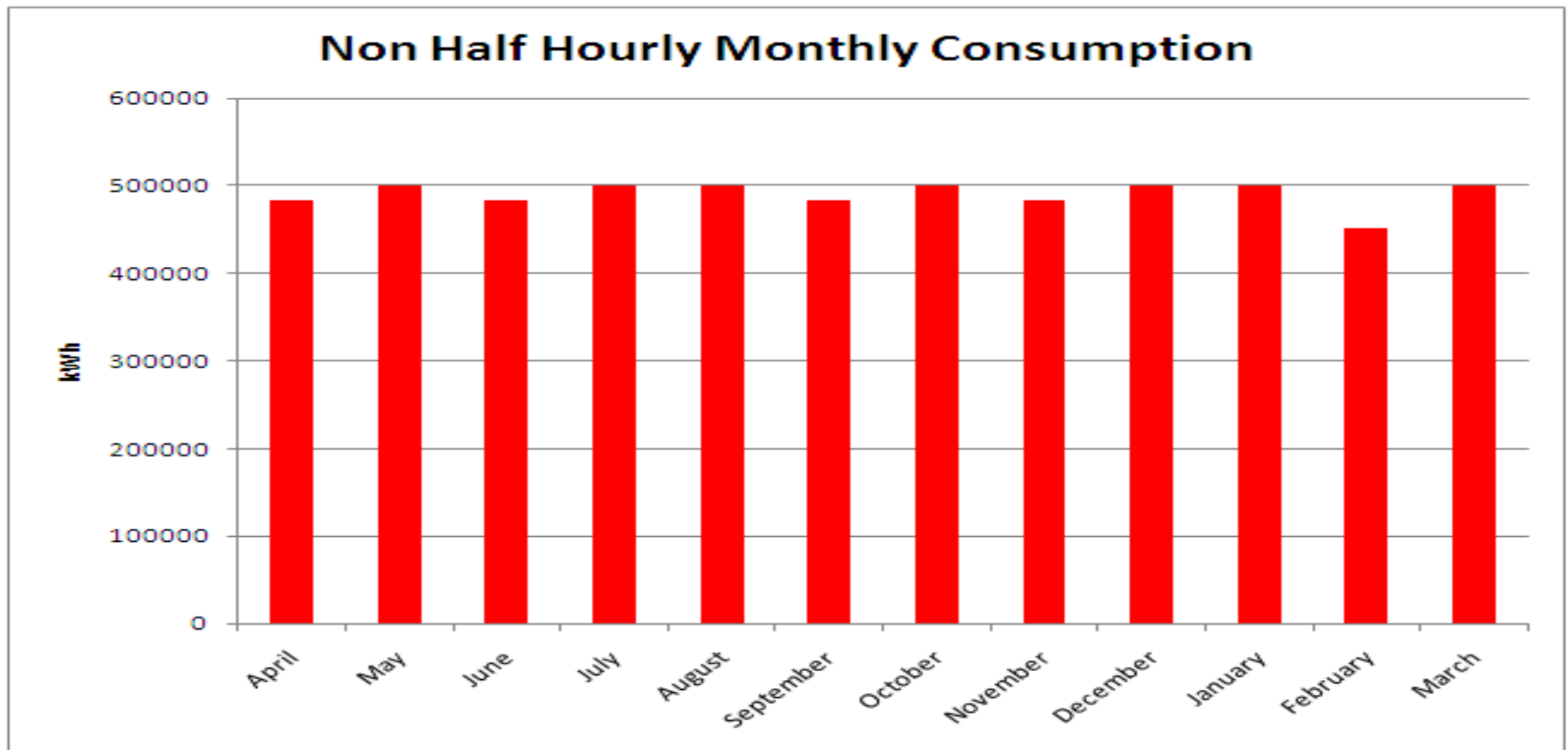
Non Half Hourly Trading



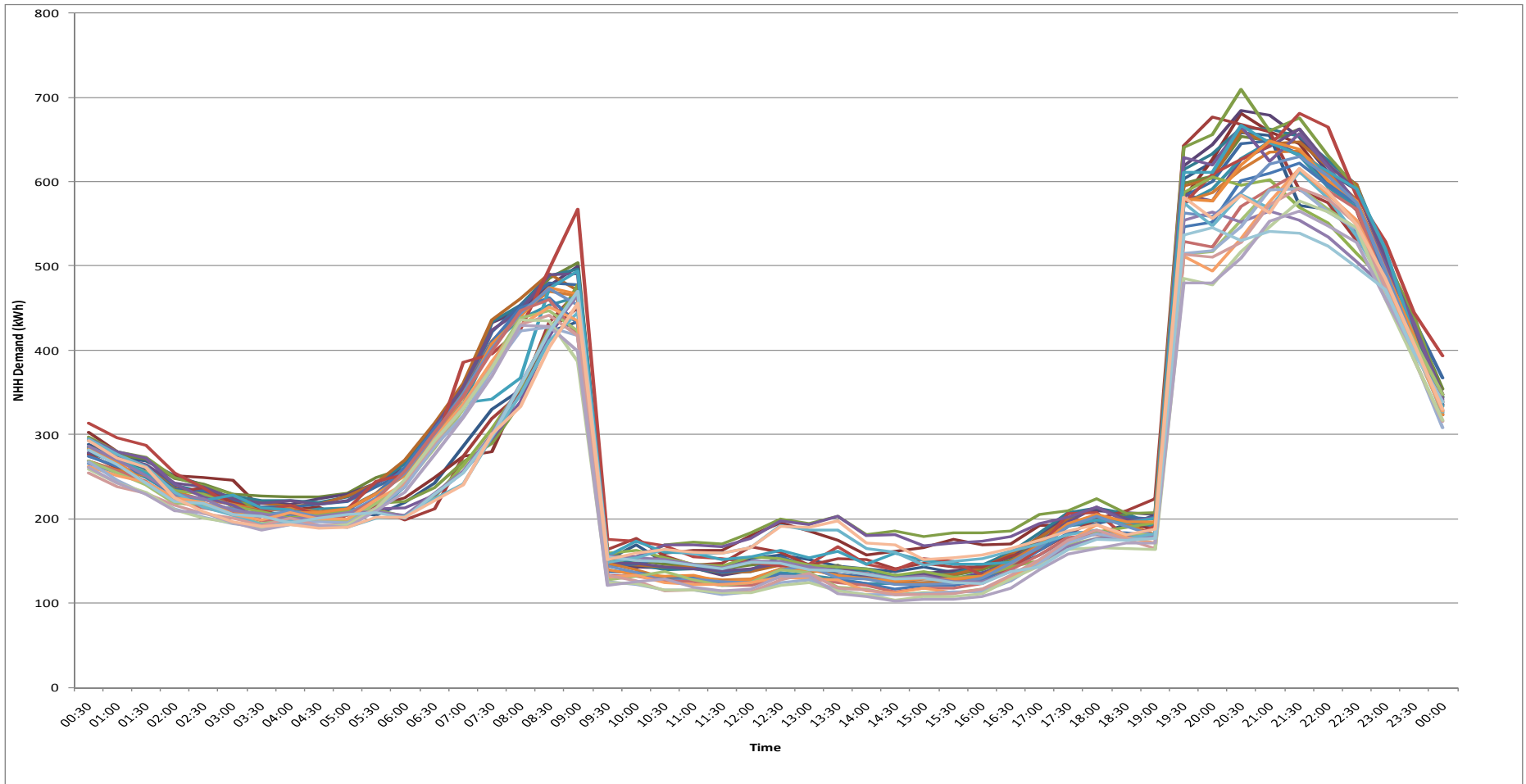
$$\text{Estimated Annual Consumption (EAC)} = \frac{\text{Circuit Watts} \times \text{Annual Hours} \times \text{No. Items}}{1,000} = \text{kWh}$$

NHH Billing

- ▶ NHH trading results in the EAC being divided by 365, then multiplied by the number of days in each month
- ▶ kWh figure only changes when a revised inventory is submitted

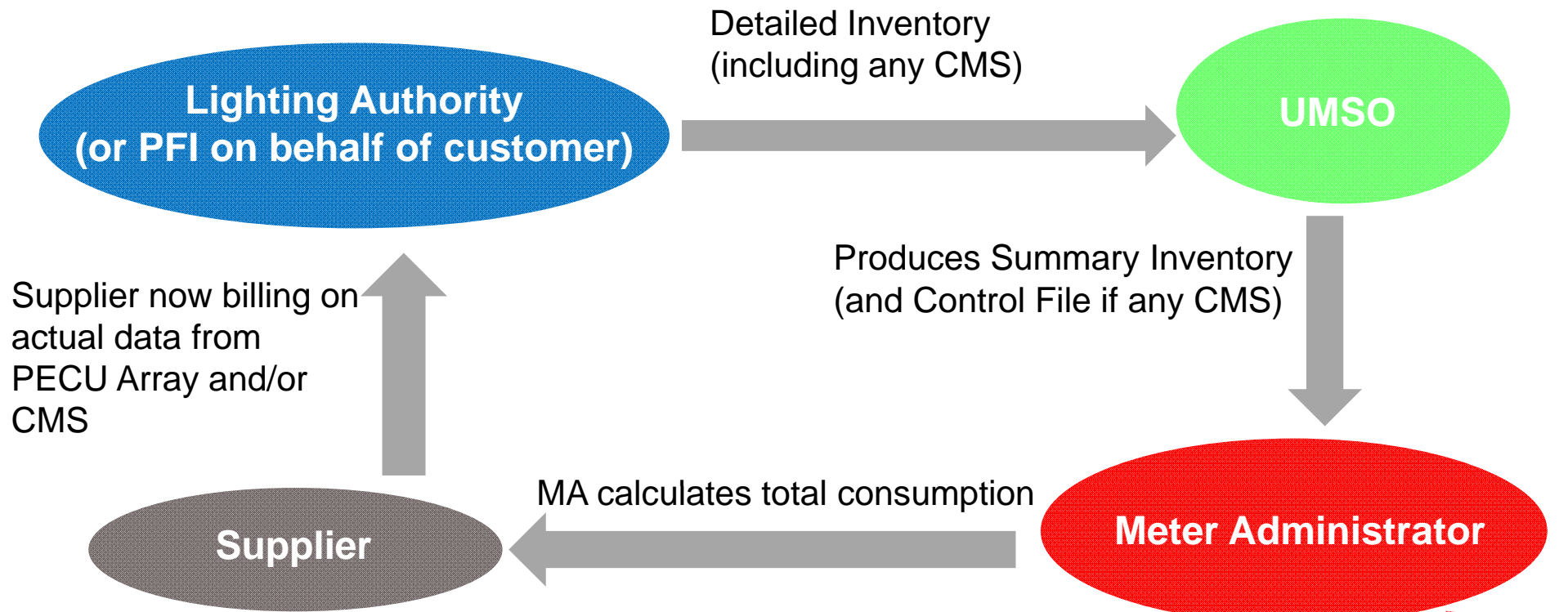


NHH Profile



Non Half Hourly Profile for a Dusk to Dawn Regime

Dynamic Half Hourly Trading



Any ELEXON Approved CMS



PECU Array





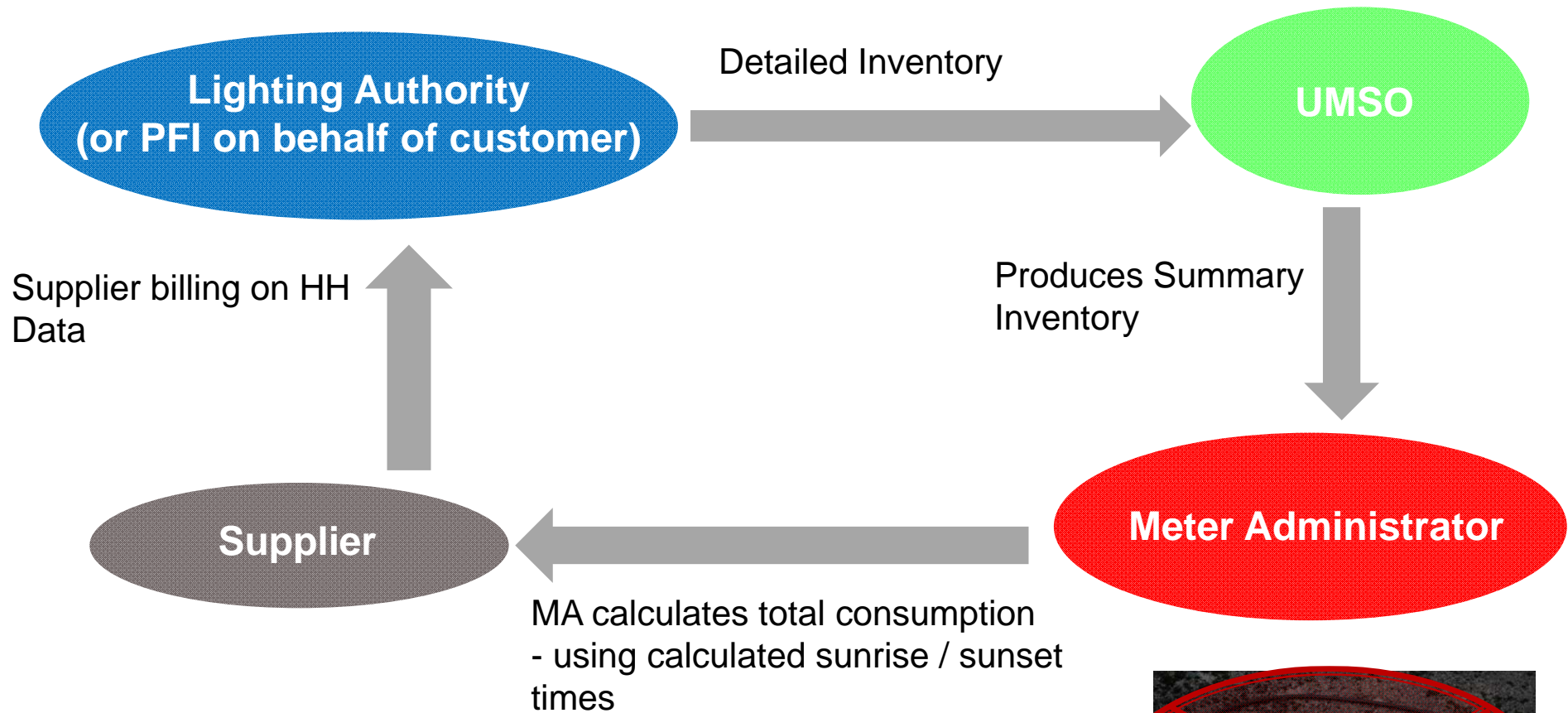
PECU Array

- ▶ Locating your PECU Array:
 - Should be on the authority's property on a one or two storey (flat) roof
 - Convenient / easy / safe access for authority
 - Requires a power line
 - Option of GSM (mobile sim card) or standard phone line

- ▶ Cost of the Array:
 - Will cost around £4,000 (more for GSM option)

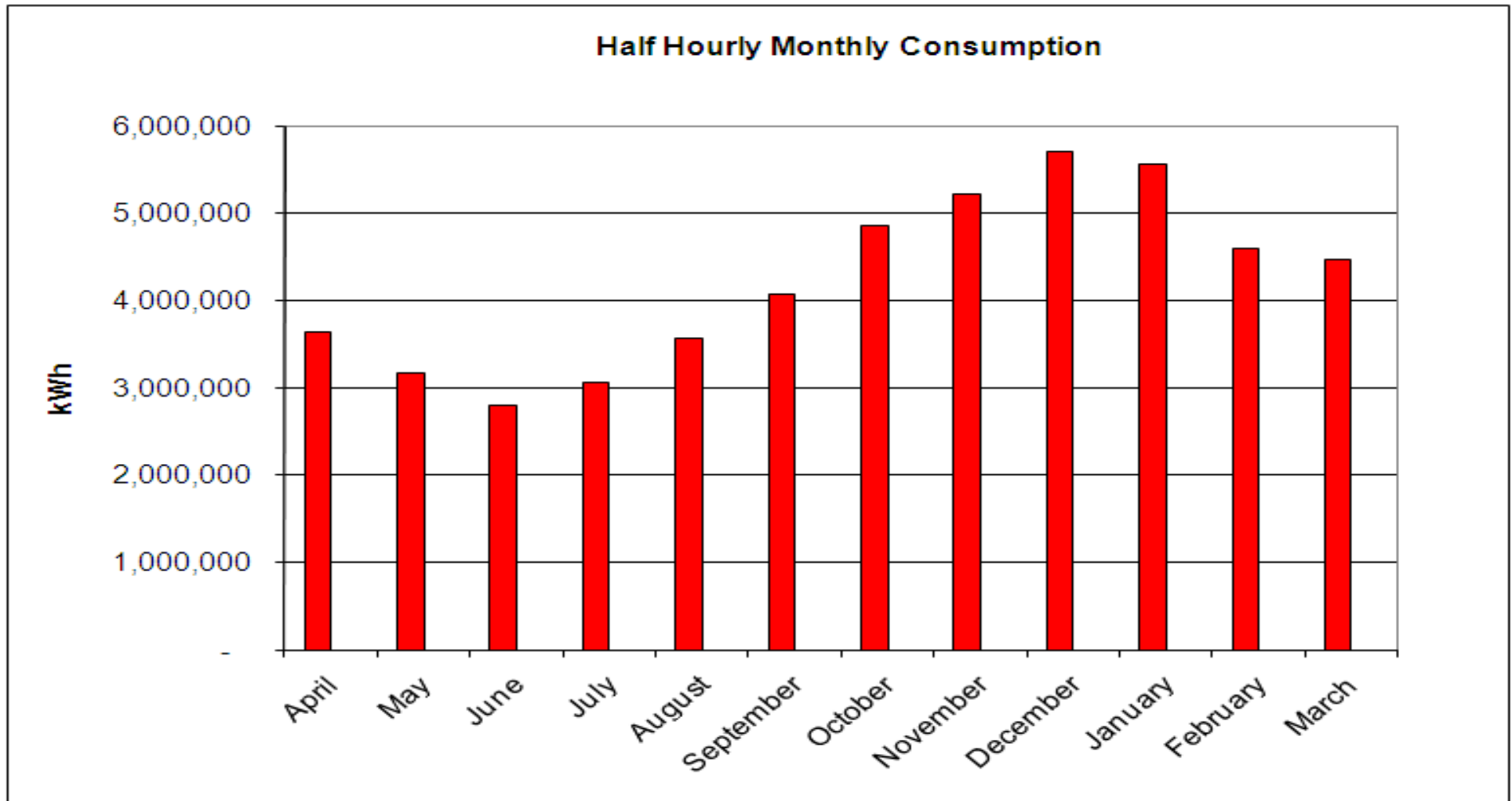


Passive Half Hourly Trading

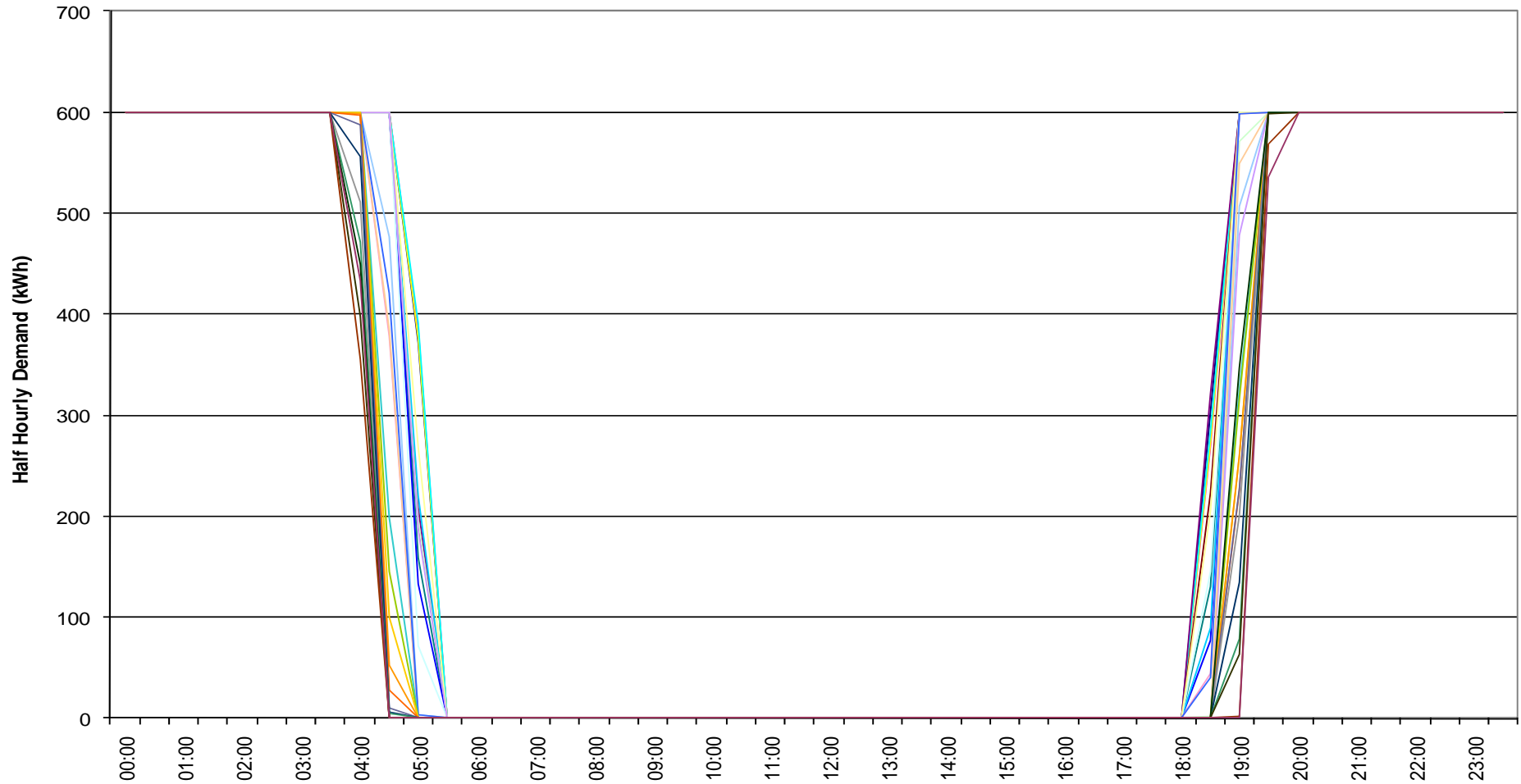


HH Monthly Billing

- ▶ HH trading reflects your energy usage accurately each month, lower consumption in summer and higher consumption in winter



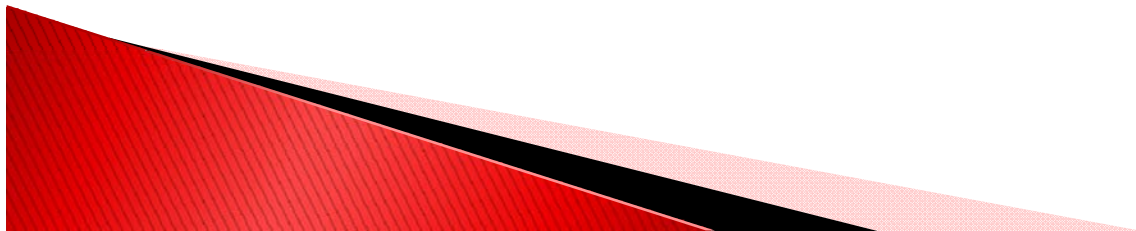
HH Profile



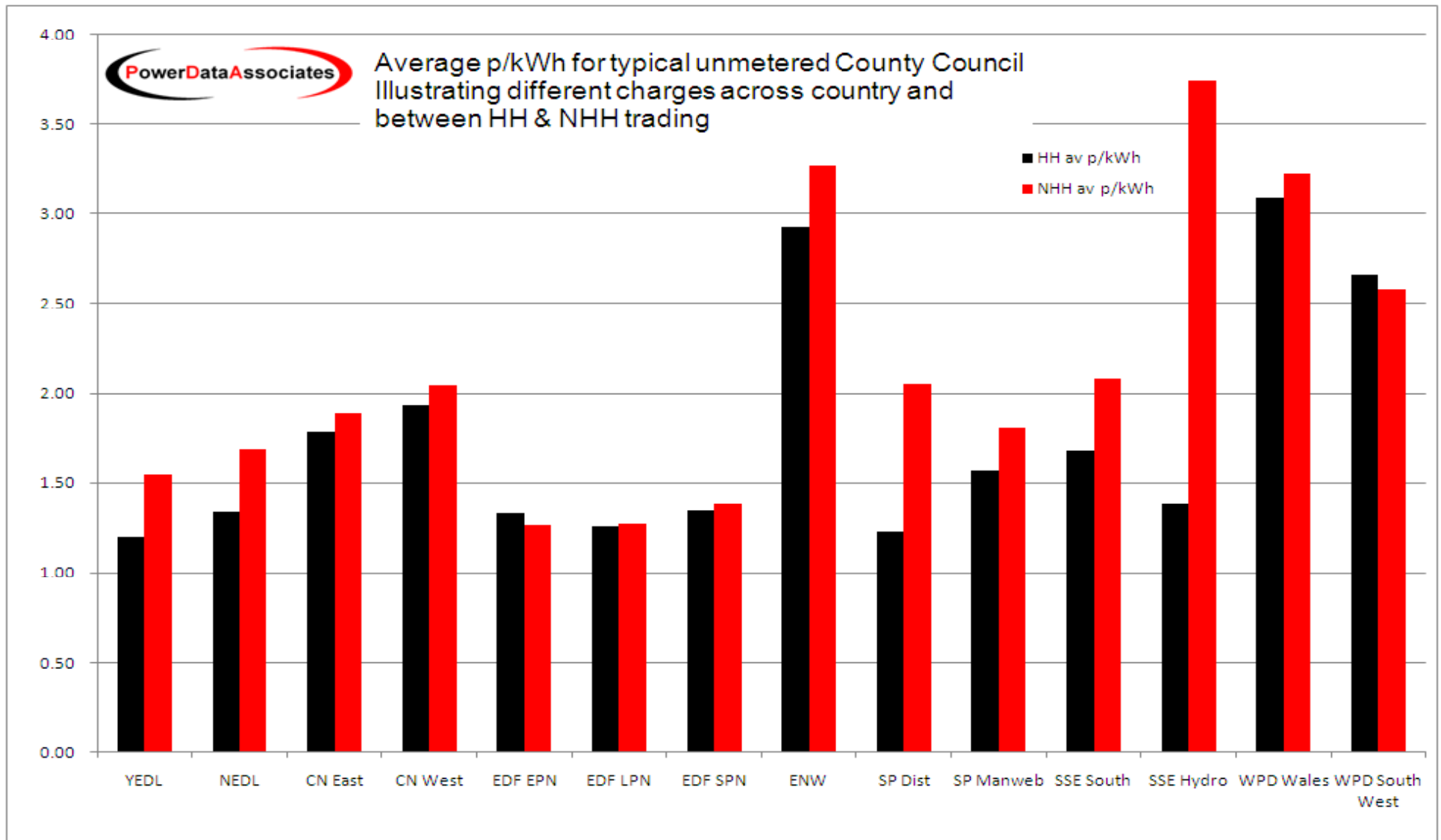
Half Hourly Profile for a Dusk to Dawn Regime

Distribution Use of System (DUoS)

- ▶ Currently there are differences around the country in DUoS charges
- ▶ These are the charges Distribution Businesses pass on to the Suppliers
- ▶ 1st April 2010 first year of new system as a result of the Common Distribution Charging Methodology (CDCM) group
- ▶ Resulted in some big changes to DUoS charges
- ▶ Potential savings from Half Hourly trading



Potential Savings for 1st April 2010 to 31st March 2011



CRC Energy Efficiency Changes

- ▶ On the 25th January 2010 DECC published a last minute addendum
- ▶ Removed Non Half Hourly and Passive Half Hourly from the scope of the CRCEE
- ▶ Creates differences in authority's emissions depending whether street lighting is Dynamic, Passive or Non Half Hourly
- ▶ Early Action AMR Metric still exists for Dynamic Half Hourly

CRCEE Way Forward

- ▶ Power Data Associates with industry input have produced a document and submitted it to DECC
- ▶ It seeks to review the CRCEE with respect to the treatment of Unmetered Supplies
- ▶ UKLB has also submitted a document seeking equal treatment of all Unmetered Supplies
- ▶ Will allow for fair and equal comparisons between all local authorities
- ▶ Any changes unlikely to come into effect from 1st April 2011 now

Central Management Systems

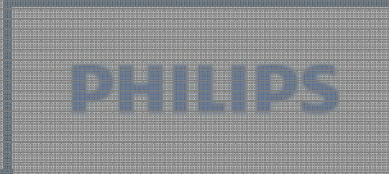
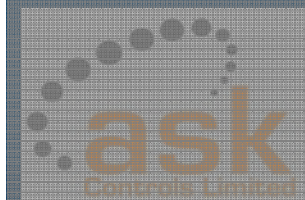
ELEXON Approved Systems
(correct as of 21/09/2010)



At various stages of
ELEXON Approval

Current Live CMS

ELEXON Approved Systems
(correct as of 03/09/2010)



▶ Any Questions ?

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