

## Case Study: London Borough

### Wastage

688,370  
kWh

### Over Paid

£68,837  
per year

*“PDA has courteous, responsive and knowledgeable staff”*

### Problem

- Customer invested in energy saving schemes, such as more efficient electronic ballasts over a number of years by using Salix and other sources of funding
- Changes were not made to the street lighting inventory
- Energy invoices continued to be based on the old and less efficient equipment
- Forecast savings were not met

### Solution

- PDA supplied clear reports which allowed the customer to identify that the new equipment had been omitted from the inventory
- PDA worked with the customer to help them update their inventory with the correct information
- New inventory submitted and reason for the changes explained to the Distribution Business
- These changes were then backdated, allowing the customer to reclaim one year of their overpayments
- Savings are now being achieved and the previously incorrect energy bills have been credited by the energy supplier

### Customer says:

*“PDA has courteous, responsive and knowledgeable staff. Their comprehensive data management and reporting systems together with their knowledge of the UMS sector, has helped us to manage a complex and significant area of our energy use more efficiently and cost effectively.”*

## Case Study: PFI London Borough

**Wastage**  
**3,549,617**  
kWh

**Over Paid**  
**£354,962**  
per year

***“This not only saved us monies on extra energy charges but also helped to create a more efficient way of inputting data”***

### Problem

- A clerical oversight resulted in all new street lighting installations being added to the inventory with an operating regime of ‘continuous’ instead of ‘dusk to dawn’
- Each new lamp was therefore viewed as being lit for double the actual operating time
- The inventory wrongly identified several thousand high wattage lamps as being lit continuously

### Solution

- Upon appointment as the Meter Administrator, PDA highlighted the unusual proportion of high wattage lamps with a continuous operating regime
- PDA worked with the customer to update their inventory with the correct information
- A recalculation was performed to recover as much of the historic loss as possible, resulting in reimbursement of funds from their electricity supplier

### Customer says:

*“The information and expertise from Power Data Associates were a great help in showing that there was an issue with some of the data inputting on the inventory system. It showed that the 24hr burning equipment was increasing month on month when actually it should have been Dusk to Dawn controls. With this information we were able to establish what was going on and bring in changes so it did not happen again. This not only saved us monies on extra energy charges but also helped to create a more efficient way of inputting data.”*

## Case Study: County Council

### Wastage

1,869,517  
kWh

### Over Paid

£186,952  
per year

***“PDA helped us to analyse our inventory and correct legacy issues that had not been picked up by our previous provider”***

### Problem

- Customer invested in new energy saving electronic ballasts programmed with single step dimming from midnight to 5am
- An incorrect ‘switch regime’ was applied against the new dimmed charge codes
- Distribution Business and previous Meter Administrator had not highlighted this inconsistency to the customer
- Customer energy invoice was based on ‘no dimming’

### Solution

- PDA highlighted the ‘no dimming’ inconsistency to the customer after reviewing their inventory
- PDA helped amend the inventory with the correct ‘switch regime’
- PDA assisted customer in quantifying the financial loss
- Customer now receiving the financial benefits and were able to recover the overpayments from the previous year

### Customer says:

*“PDA helped us to analyse our inventory and correct legacy issues that had not been picked up by our previous provider or the Distribution Business. Rather than just accept our data ‘as is’ they helped to explain how the charge code system actually worked and ensure that the energy bills reflected the investments we had made in new technology.”*

## Case Study: Borough Council

### Wastage

1,010,642  
kWh

Over Paid  
£101,064  
per year

***“We find PDA’s support and assistance invaluable”***

### Problem

- Private contractor maintained the customer’s inventory on their own asset management system
- The private contractor submitted three significantly different inventories in three consecutive months
- This resulted in a fluctuation of ~5,000 items month-by-month where only a minimal changes should be expected
- Created a potential over or under payment of £100,000 per year

### Solution

- PDA alerted the customer to the fluctuations which the customer investigated with their contractor
- PDA assisted with the identification of the discrepancies in the three separate inventory submissions
- Fluctuations were caused by inaccuracies in the asset management system reporting
- Corrected inventories were submitted to cover the three month period
- Updated energy bills were then provided by their electricity supplier
- Checks were put in place to ensure the inventory extraction was correct going forward

### Customer says:

*“PDA’s reports help to highlight any discrepancies in the inventory submissions we make, allowing us to rectify any errors promptly before they become an issue which impacts on the bill. PDA are always willing to explain the reports, attending meetings with the client as and when needed. Unmetered energy is a niche area and we find PDA’s support and assistance invaluable.”*