

Smart Metering in Schools

Shehab Choudhury

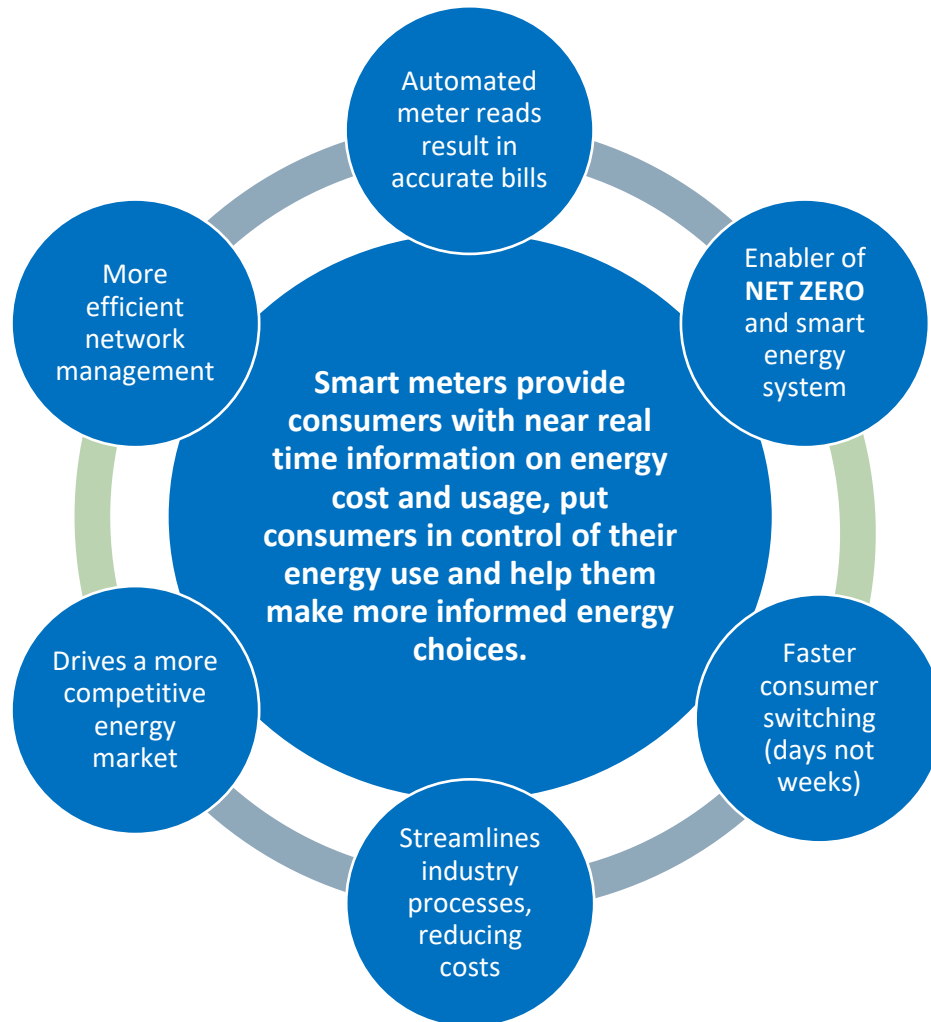
Non-Domestic (Public Sector) Engagement Lead
Smart Metering Implementation Programme (SMIP)

BEIS

Shehab.Choudhury@beis.gov.uk



Smart Metering Implementation Programme



Key features

- c.£6bn net benefits (£19bn benefits £13bn of investment costs).
- Led by Government, delivered by industry, regulated by Ofgem.
- The rollout has reached the halfway mark, with over 27.8 million smart or advanced meters as of December 2021.
- A key enabler of a smarter, more flexible energy system and greater use of renewables – underpinning cost-effective delivery of net zero

Non-Domestic Focus



Micro and small businesses

- **Smart Energy GB** lead the national campaign for smart metering, reaching homes and small businesses across Great Britain
- BEIS is working with local partners, e.g. LAs, as a channel to encourage their small business community towards smart meters (e.g. LB of Sutton)

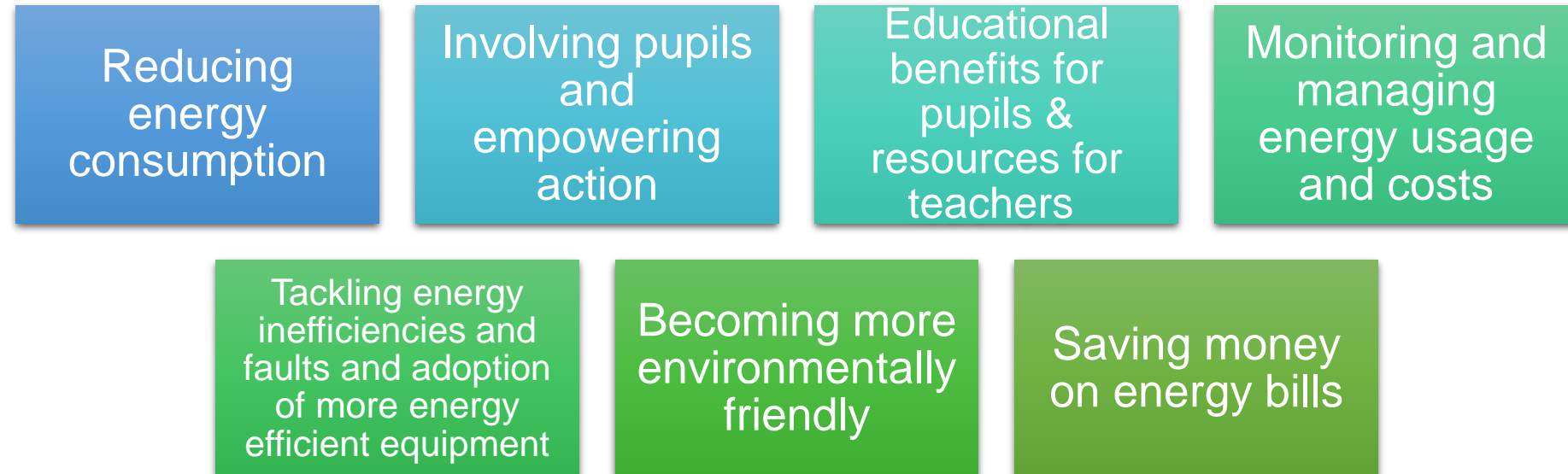


Public Sector Estates

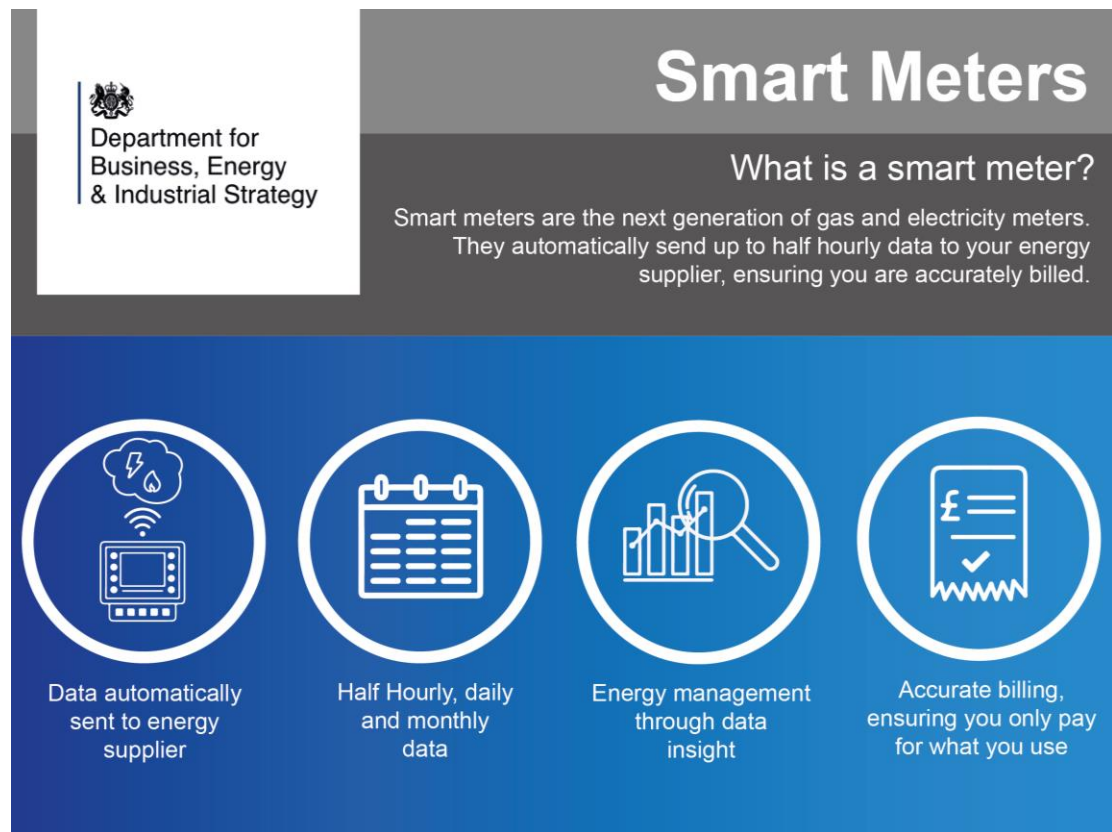
- BEIS is working with partners such as DfE and CoE on schools, and DLUHC on LAs, to target public sector estates to raise awareness and uptake of smart meters
- **We welcome local partners to reach out to us if they would like to know more on smart metering** (for small businesses and/or public estates)

EVIDENCE BASE: Smart Meters in Schools – Harnessing energy data to empower teachers and pupils

- The Non-Domestic Smart Energy Management Innovation Competition (NDSEMIC)
- £8.8 million BEIS-funded innovation competition
- Seven projects funded to develop and test smart energy management tools in small retail, hospitality and **school** sectors
- Findings [published](#), including energy savings in [schools case study](#)



Public Sector Smart Meter Guide

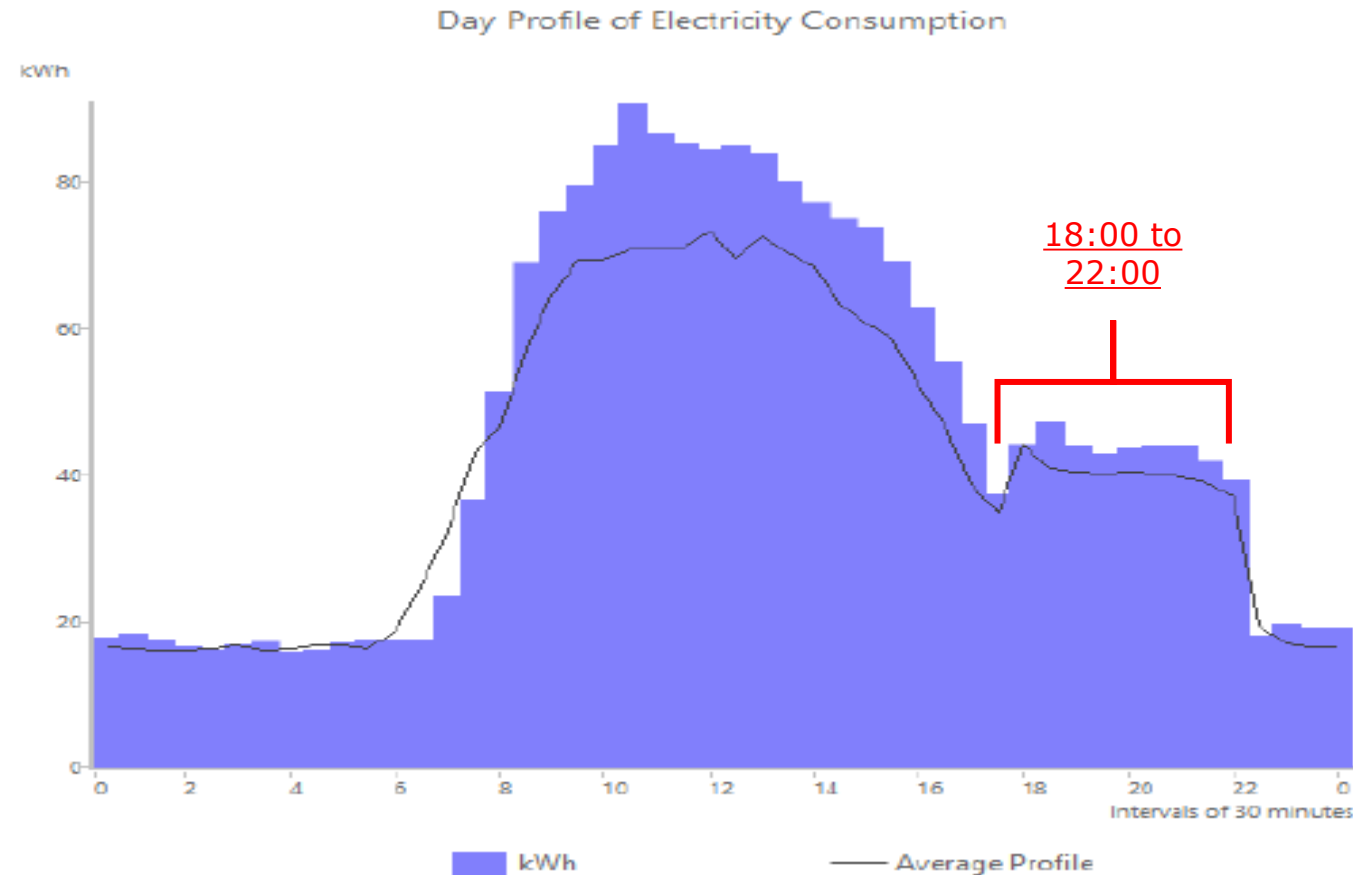


- Guide for the public sector, targeting decision makers
- Short, visual document highlighting the benefits of smart meters, using case studies from Local Authorities, schools, and the NHS
- Click [here](#) to download

Solihull Metropolitan Borough Council (SMBC) - Smart Meters

Smart Meters allowed schools to identify a poor profile (electric)

- Solihull have installed 179 gas or electric smart meters across its schools & academies (96% of total portfolio)
- On average, Solihull schools saw a **one-off saving of up to 20%** through monitoring actual smart meter data

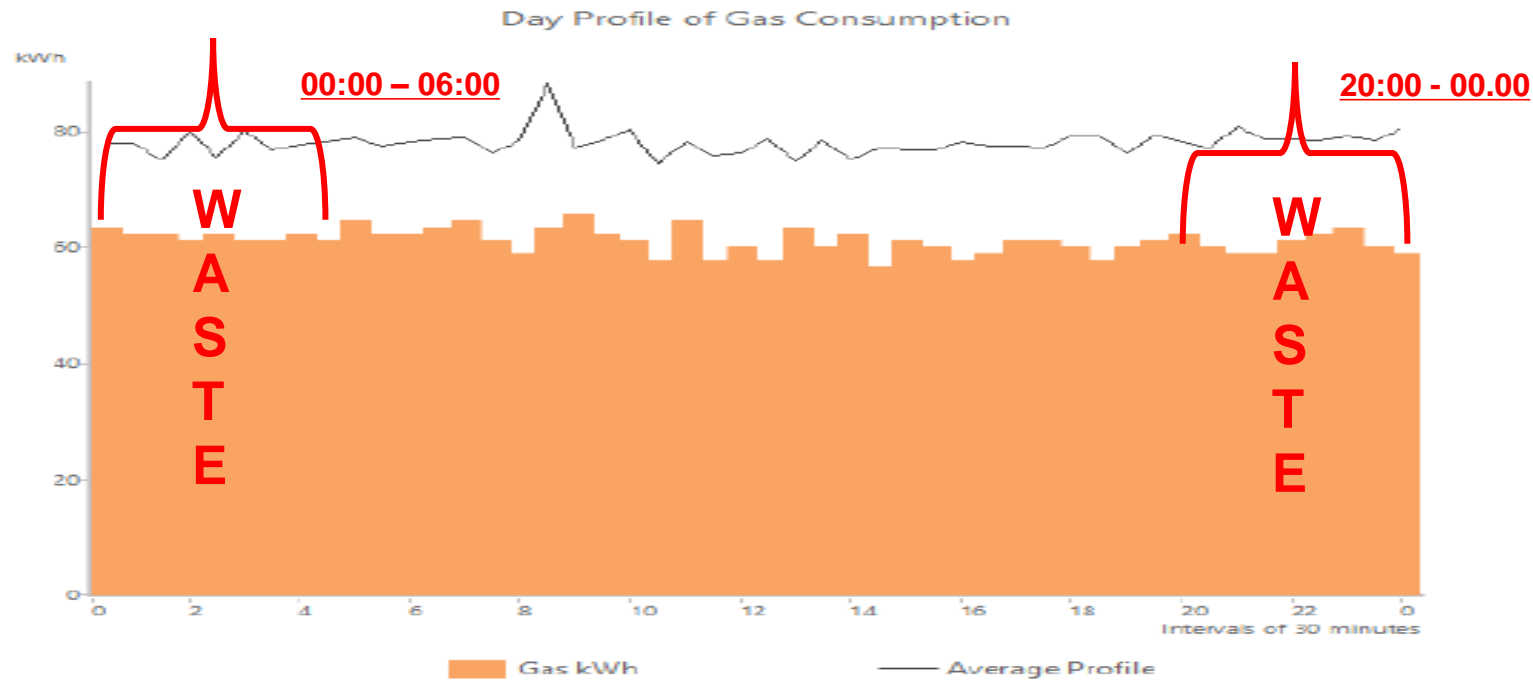


Electric consumption on evening extra activities/meetings (lights)?

Legitimate Consumption or Waste?

Could the Switch Off procedure be improved?

Smart Meters allowed schools to identify a poor profile (gas)



**Secondary
School Sports
Block**

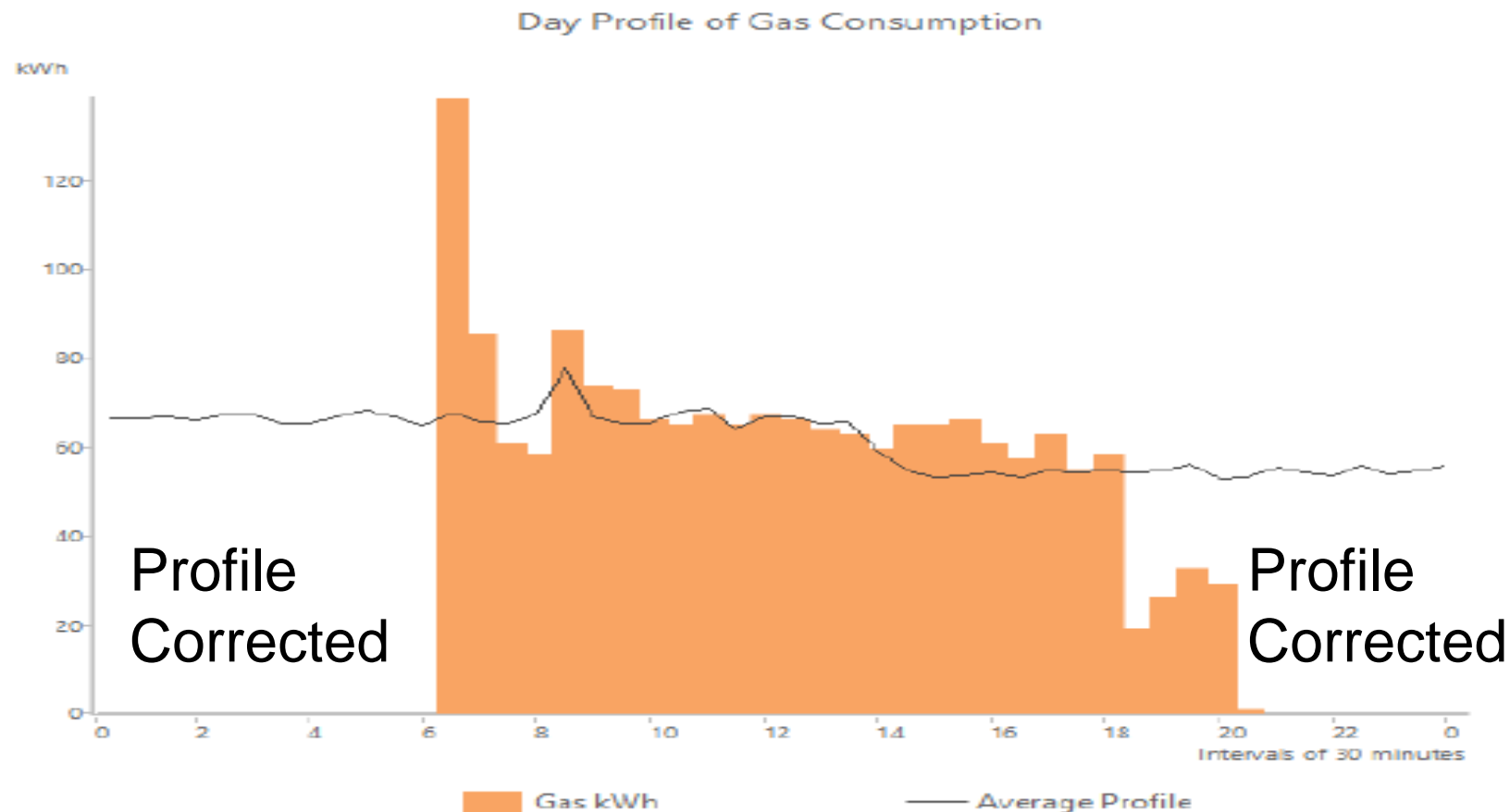
Gas in use 24 hours at
60kWh

Energy Waste not
detected before smart
metering implemented

Smart Meters allowed schools to save £££'s as well as emissions

Gas Daily Profile
School
Sports Block

Following Correction



**Saving
£1,400
per
month**

Case Study: A SMBC Junior School



- The school saved **£6,795** - 25% saving on their energy bill by:-
 - Establishing an Eco Team and involving pupils in energy walk arounds and awareness in the school
 - Using their Smart Meters to identify waste & review results
 - Implementing “Switch Off Fortnight”
 - Eco Team implementing active labelling of lights and IT equipment
 - Eco Team posters and awards

How to get a smart meter

- To get smart meters for your **school or local authority**, you can contact your energy supplier and/or your framework provider
- For more information on **smart meters for small businesses**, use the following link: <https://www.smartenergygb.org/about-smart-meters/small-businesses>



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Arati Patel-Mistry- Schools Engagement Manager

Supporting schools to achieve great value



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Search **buying for schools**



Strategy & Principles



Schools buying programme 2020.

Prospectus 2020-2025

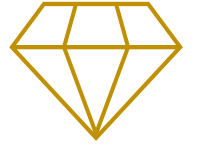
April 2021



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Or contact Arati.Patel-Mistry@education.gov.uk



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