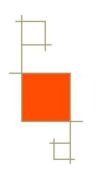
Annual Conference: Metering Network Presentations: Towards a Smart Skilled Workforce





Led by:

ABB | Alstom Power | Balfour Beatty Utility Solutions | Carillion Utility Services | energy&utilityskills CE Electric UK | Enterprise Power Services | E.ON UK | Freedom Group | Mainstream Renewable Power | Morgan Sindall | Morrison Utility Services | National Grid | Scottish & Southern Energy | Scottish Power | Siemens | UK Power Networks



Smart Metering Skills Presentation

- Workforce Planning for Smart Rollout
- NSAP Smart Metering Approved Provider
- New Dual Fuel Qualification
- National Assessment Specification (Power)
- NSAP Smart Gas Developments
- NSAP Accreditation Scheme via SMICoP



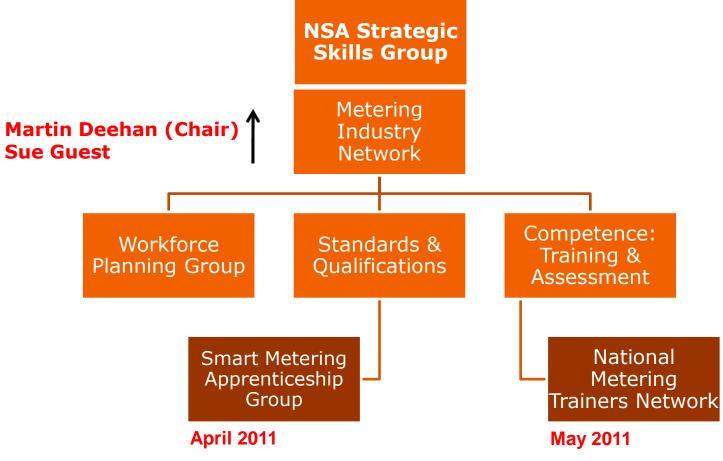






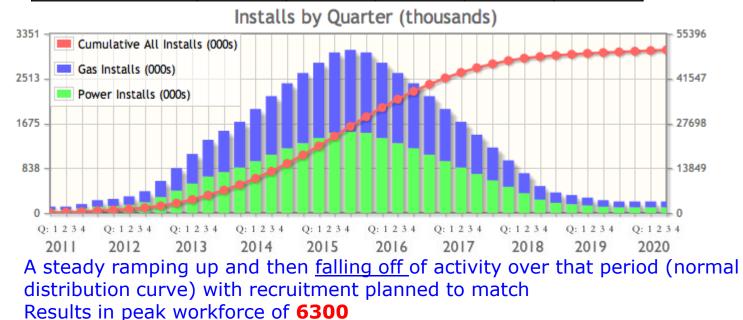


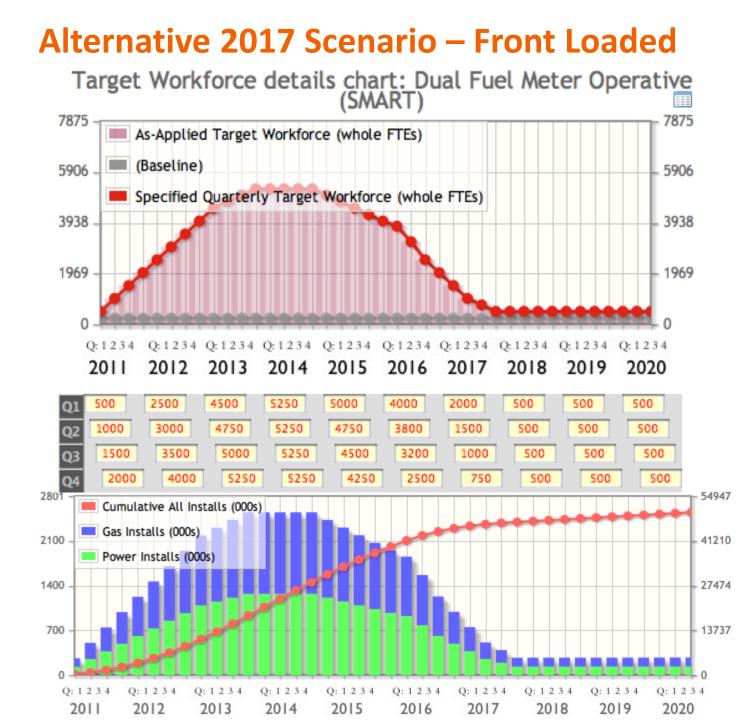




Smart Metering Workforce Planning Update: 2020 Growth Scenario 1

	2011	2012	2013	2014	2015
Up-skill	70	241	701	672	410
Apprentice	30	120	550	323	270
Adult trainee	30	120	550	323	270
Semi-comp	23	120	379	354	294
Add-fuel	90	90	90	90	90
Total	243	691	2270	1762	1334





Smart Metering Workforce Planning Growth Scenarios (Continued)

These Assumptions:

- All installers will be dual fuel
- There are 50 million meter installations required
- A dual fuel operator could make 4 house calls in a day, in effect changing 8 meters

The <u>sooner</u> we can start recruiting and training, the <u>smaller</u> the overall workforce numbers required. This will cut down on costs associated with recruitment (e.g. advertising, assessment centres etc) and overall training costs (although it will require greater investment early on) *BUT...* can the Training infrastructure cope?

The pattern of Installation activity can have quite an impact on overall number of workers required (in the NSAP scenarios: in excess of 1000) – hence we need the employers to start disclosing this information so we can more accurately forecast training provision requirement

NSAP Smart Metering Approved Provider

Rigorous Quality Assurance Scheme:

Pilot: Jan – Mar

EON UK British Gas Enterprise

(Dual Fuel) (Dual Fuel) (Electricity)

- 14 Regular Criteria Categories
- 6 Electrically Specific Categories

Includes

- National Assessment Specification
- Visit by Experienced Power Sector Verifier
- Submissions Scrutinised by Expert Panel
- Must Demonstrate Employer links (Work experience)
- Adhere to Installation Code of Practice (eg. Emergency Response Categories)
- Trainer & Assessor Capability

AMR/SMART QUALIFICATION DEVELOPMENT:

Submissions now with OFQUAL

AMR (Gas)



Dual Fuel, Power and Gas



Dual Fuel, Power and Gas



6 weeks to receive Qualification Accreditation Codes = 01 April 11

Scotland Versions under consideration by SQA

Proposed Level 2 Smart Metering Diploma: Duel Fuel

Working Safely in the Energy & Utilities Sector

Working Effectively & Efficiently in the Energy & Utilities Sector

Using & Communicating Technical Information in the Energy & Utilities Sector

Delivering Customer Service When Working within the Energy & Utilities Sector

Install and Commission Communication systems and media in Smart Metering

Install and Commission Gas Smart Meter and Regulator (2.5 to 6.0m3/hr)

Gas Smart Meter tightness testing and direct purging – IGE/UP/1B (low pressure only)

> Core Gas Safety Knowledge for Smart Metering

Install Single Phase Meter and Associated Equipment (New Connection)

Change Single Phase Meter and Associated Equipment

National Assessment Specification(Power)

Scottish and Southern

SP ENERGY NETWORKS

CE Electric UK

Power

Networks

e.on Central Networks

Scottish and Southern

Energy Rever Distribution

electricity

SP ENERGY NETWORKS

WESTERN POWER

Serving the South West and W

Energy Power Distribution

Electricity

- 3000+ Existing Gas & Electricity Installers
- 6000+ New Installers
- Polarity/Electricity Awareness
- Dangerous Cut-outs
- Electrotechnical Equipment
- 100Amp Isolator Issue

POWER

- Emergency Response Reporting
- Communications





NSAP Smart Gas Developments

- 3 New Gas Modules
 Working with Gas Safe)
 Working with ENA SMOG (Gas issues)
 Evidence Required of Comms Upskilling
 - NSAP Smart Metering: Quantify Gas Provision
 - Skills Database to Verifiy with Gas Safe Database



The National **Skills** Academy

POWER

Southern

Northern Gas Networks

nationalgrid

Scotia Gas Networks

WALES&WEST

BORD GÁIS

ENERGY RETAIL Association

November 2010 SRSM & Beyond Project

Installation Code of Practice



Smart Metering

Overview

This document provides the first draft of the content of the Energy Retail Association's Installation Code of Practice as referenced in the consultation papers published on July 27 2010.

1.4.1.1 Appropriate training and accreditation of installers (page 7)

- 3.2 Relevant Accreditation: National Skills Academy for Power (page 8)
- 3.7.1 Members will adopt a standard accreditation for smart metering installers taking into account the knowledge and skills necessary to fulfil the role under the National Skills Academy for Power scheme (page 10)



Dates for Your Diary:

- Weds 06 April Main Metering Network Meeting
 - Thurs 13 April Dual Fuel Apprenticeship Subgroup
 - Date TBC May Metering Trainer/Assessor subgroup
 - Special Thanks to our latest 2010/11 Subscribing Metering Members:

G4S B Global Lowri Beck Vital Power EDF Energy (Metering)

