

CHPQA

# CHPQA Update

Mahmoud Abu-Ebid

CHPQA Programme Manager

# Talk Coverage

- CHPQA Status Report (Certified Schemes 2002- 2007)
- Auditing Programme
- Proposed heat monitoring requirements for New schemes <2MWe
- Recent Developments
- Submission Timescale

The logo for CHP QA, with 'CHP' in red and 'QA' in black, set against a background of green and orange wavy lines.

# Summary of CHPQA Certification (2002-2007)

	Number of Schemes	CHP <sub>TPC</sub> (MWe)	CHP <sub>QPC</sub> (MWe)	CHP <sub>TPO</sub> (GWh)	CHP <sub>QPO</sub> (GWh)	CHP <sub>TFI</sub> (GWh)	CHP <sub>QFI</sub> (GWh)
<b>Certified in 2002</b>	907	8,231.3	4,857	49,278	28,294	166,445	155,217
<b>Certified in 2003</b>	897	8,366.7	5,072	49,833	29,548	166,868	158,690
<b>Certified in 2004</b>	899	8,321.1	5,056	51,286	29,685	168,756	161,253
<b>Certified in 2005</b>	895	8,836.2	5,648	50,676	29,120	167,950	161,477
<b>Certified in 2006</b>	949	9,214.3	5,813	52,341	30,999	174,022	165,149
<b>Certified in 2007</b>	922	10,350	6,631	55,217	35,167	179,563	169,341

**LECs Worth about £133 million/year (excluding proposed schemes)**

# Auditing this year

- Carry out about 100 Audits per year
- 70 of large-scale complex Schemes and 30 of small simple (<2MWe) Schemes
- Audits typically involve a site-based evaluation of a CHP Scheme
- To confirm and check that any data submitted at the time of the Self-Assessment is correct
- Check Scheme boundary
- Check Metering compliance and uncertainties.

# Auditing Programme – Selection Criteria

- Targeting Schemes <2MWe to check that an **adequate heat monitoring** system is in place
- Targeting Schemes that either **failed to meet one or both CHPQA threshold criteria**
- Auditing Schemes with the **biggest exposure to LEC** benefits may also again be included this year
- Visit a number of **new or upgraded** schemes to comply with ECA requirement
- Large Schemes with TPC > 2 MWe, not audited during the last 3 years (large scheme to be audited at least once every 3 years)
- Where possible, campaign Audits according to geographical distribution of sites for efficient use of time and reduce cost

# Auditing Issues

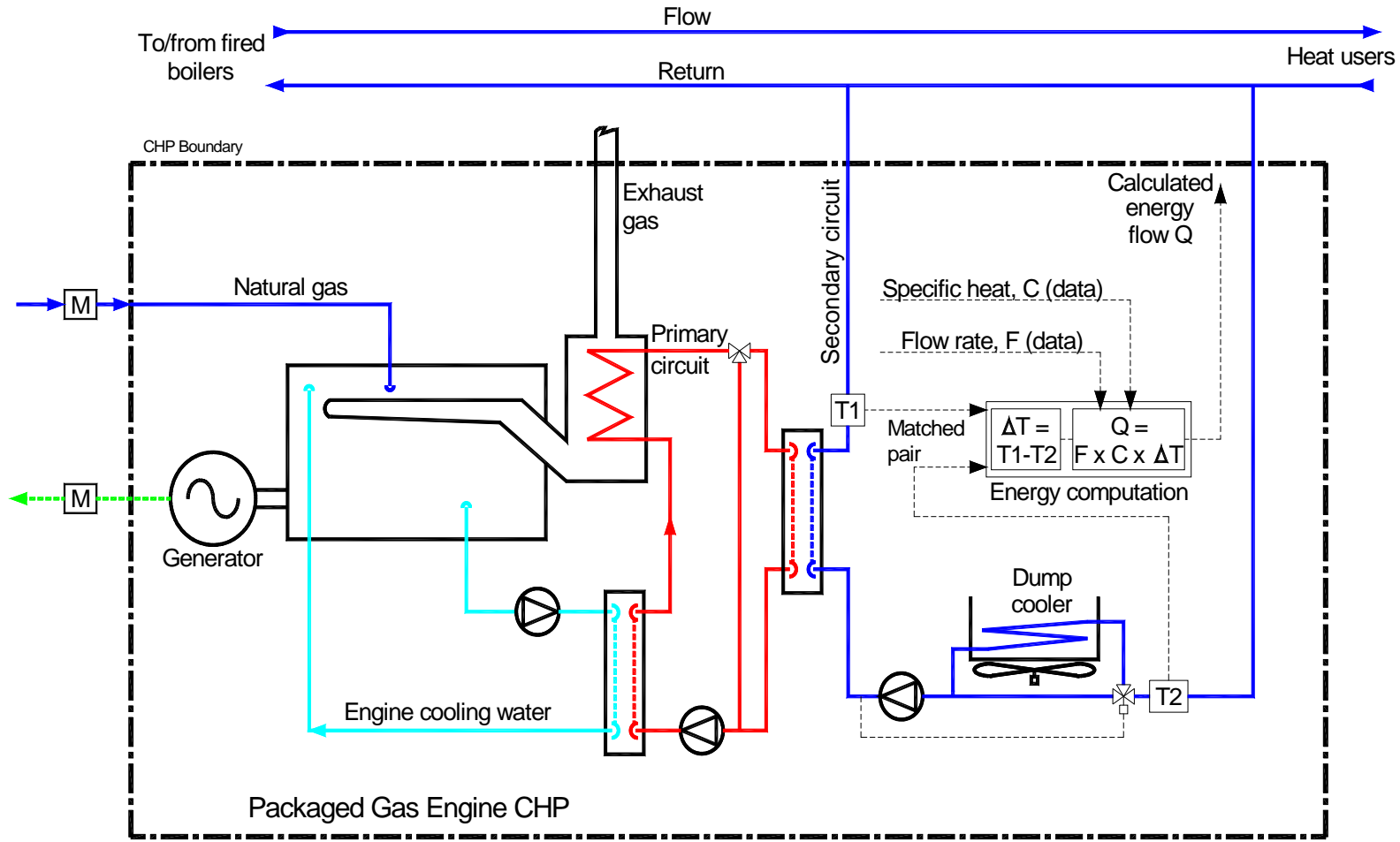
- CHPQA not informed when RP changes
- CHPQA not informed when metering changes are made
- F2 details and scheme diagrams not current or consistent
- Copies of calibration certificates/details not always held in RP's CHPQA file and documents not ready for inspection
- Sources of submitted data can't be verified, supporting analysis/spreadsheets not available, etc.

Please be prepared and have all documents available for inspection

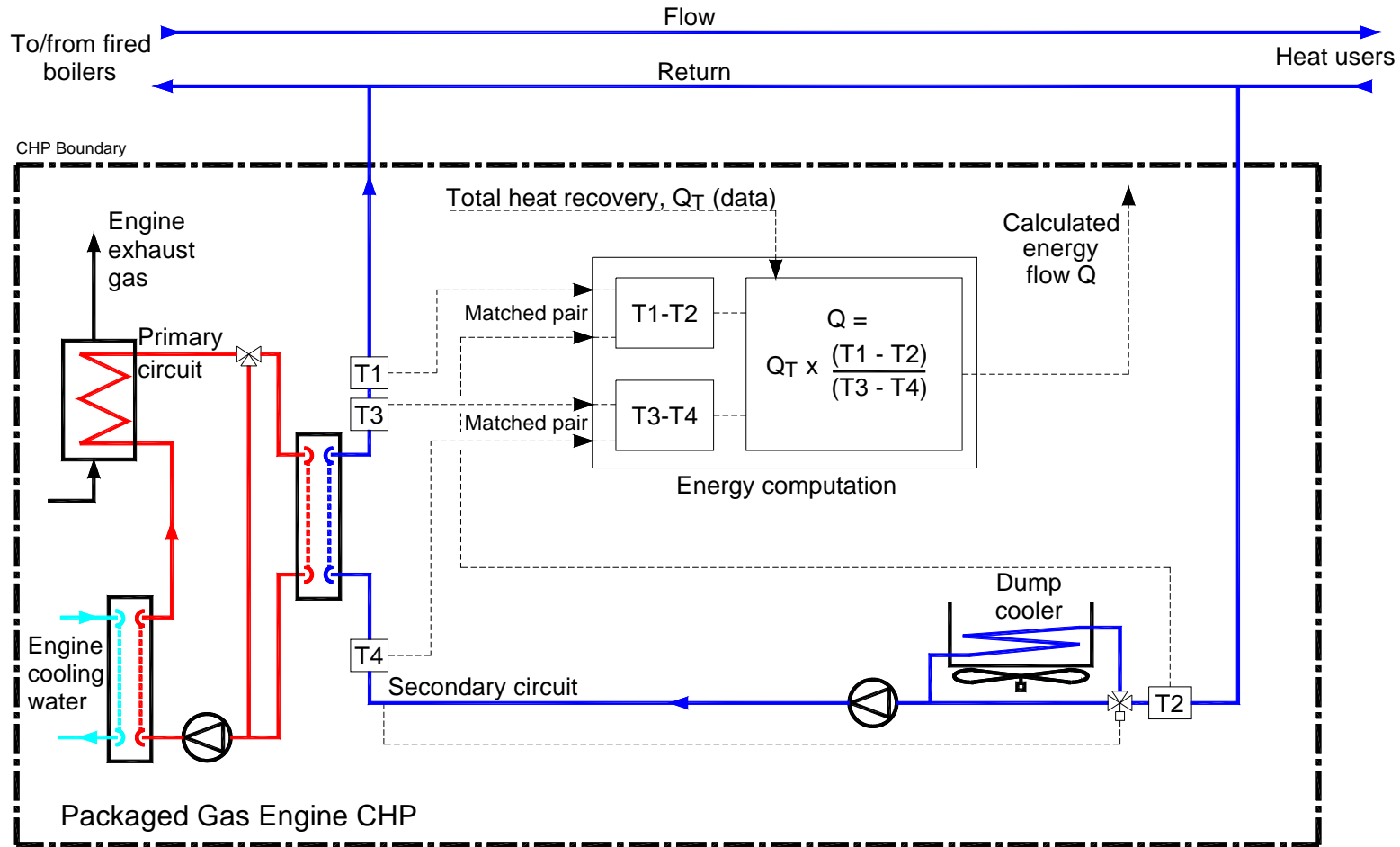
# Heat monitoring options - Current

1. Stand alone Commercially available heat meters (fully integrated heat meters)
2. Heat metering by computation within control systems, i.e BMS [use flow and return temperatures and measure flow rate]
3. Schemes below 2 MWe with a dump facility [Use 2 temperature sensors and fixed flow rate]
4. An alternative for Schemes below 2 MWe with a dump facility [Use two matched pairs of platinum resistance and design H:P]

# Option 3- Schemes below 2 MWe with a dump facility



# Option 4 - An alternative for Schemes below 2 MWe with a dump radiator



# Heat monitoring options – for New Schemes

1. Stand alone Commercially available heat meters (**fully integrated heat meters**)
2. Heat metering by computation within control systems, i.e BMS [use flow and return temperatures and **measure flow rate**]

*This is our proposal subject to Defra's approval*

# Recent Developments

- ECA for EfW CHP
  - Extended Scheme boundary to include fuel handling and Emissions monitoring and abatement equipment.
- Proposed new ROCs Banding (for Biomass and EfW)
- Changes to CHPQA to Comply with EU CHP Directive

# Importance of meeting CHPQA timescale

- CHPQA Certificates cover a calendar year and expire at the end of December
- CHPQA certificates to be issued before end of June
- Defra to be contacted by no later than 30<sup>th</sup> of June to maintain the SoS certificate.
- However, many schemes, despite reminders, do not submit by this date (some not until well into June) and some failed to inform Defra by end of June

*Your Benefits are at risk if you delay submission*

- *Had to remind RPs for 109 Schemes to submit to CHPQA*
- *And RPs for 30 Certified Schemes failed to inform Defra by end of June*
- *Of these 6 lost their SOS certificate*

**Please make sure you submit self-assessment forms to CHPQA by no later than end of March.**

ChP QA

# Maximising LECs Benefit

# Maximising CCL Benefit for CCA

QPO = TPO = 4800

LECs issued by Ofgem = 400/month

