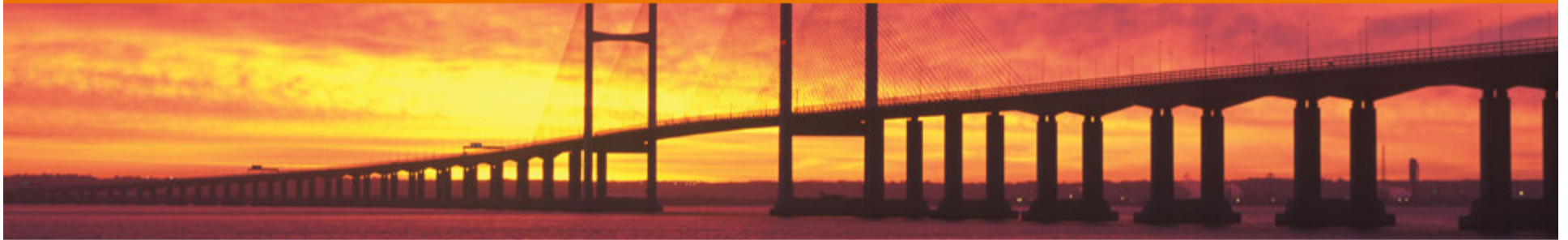




WALES&WEST
UTILITIES



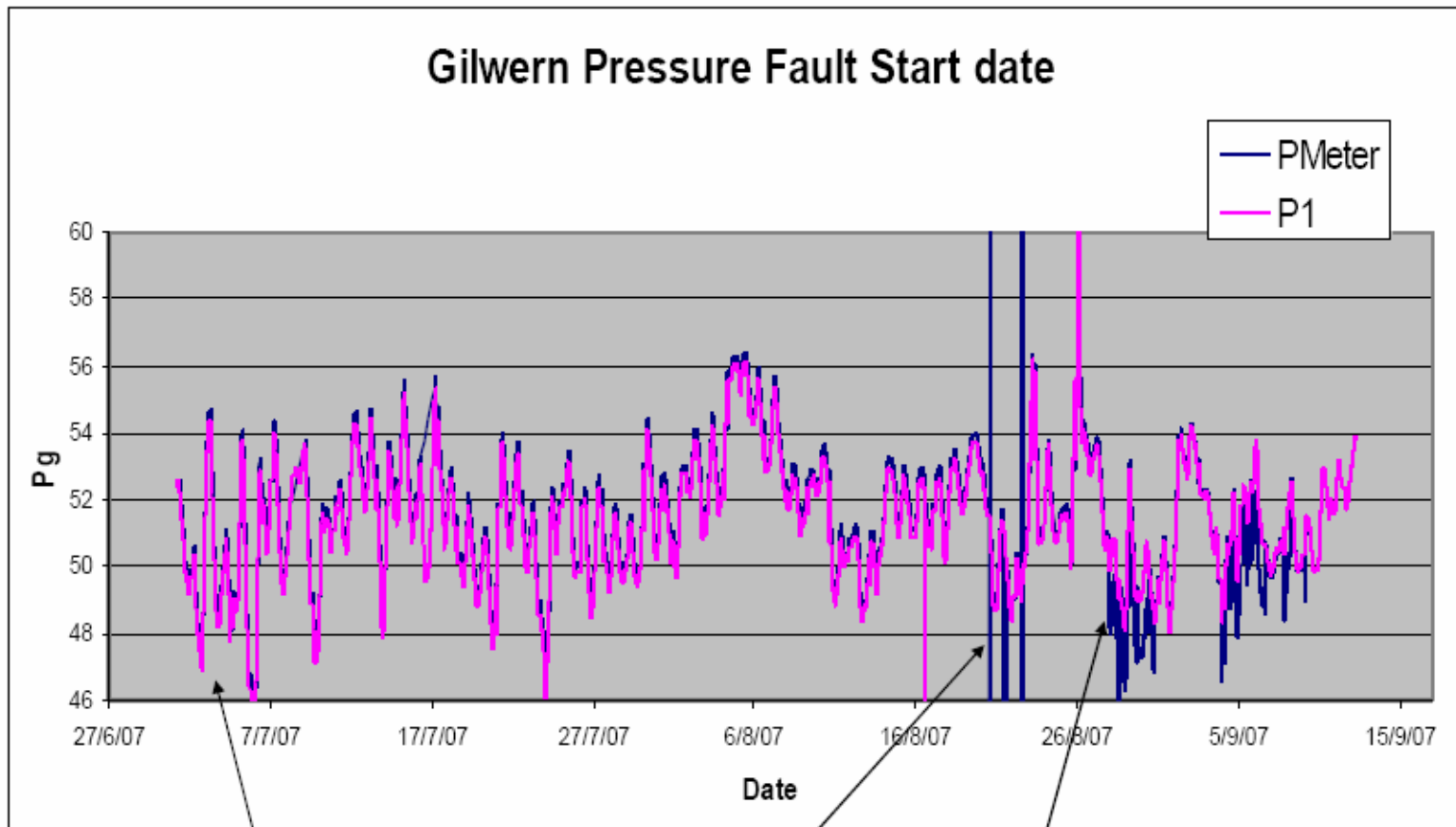
Measurement Error - WS00131032009

Simon Trivella – October 16th 2009

Offtakes Arrangements Workstream

Measurement Error Summary

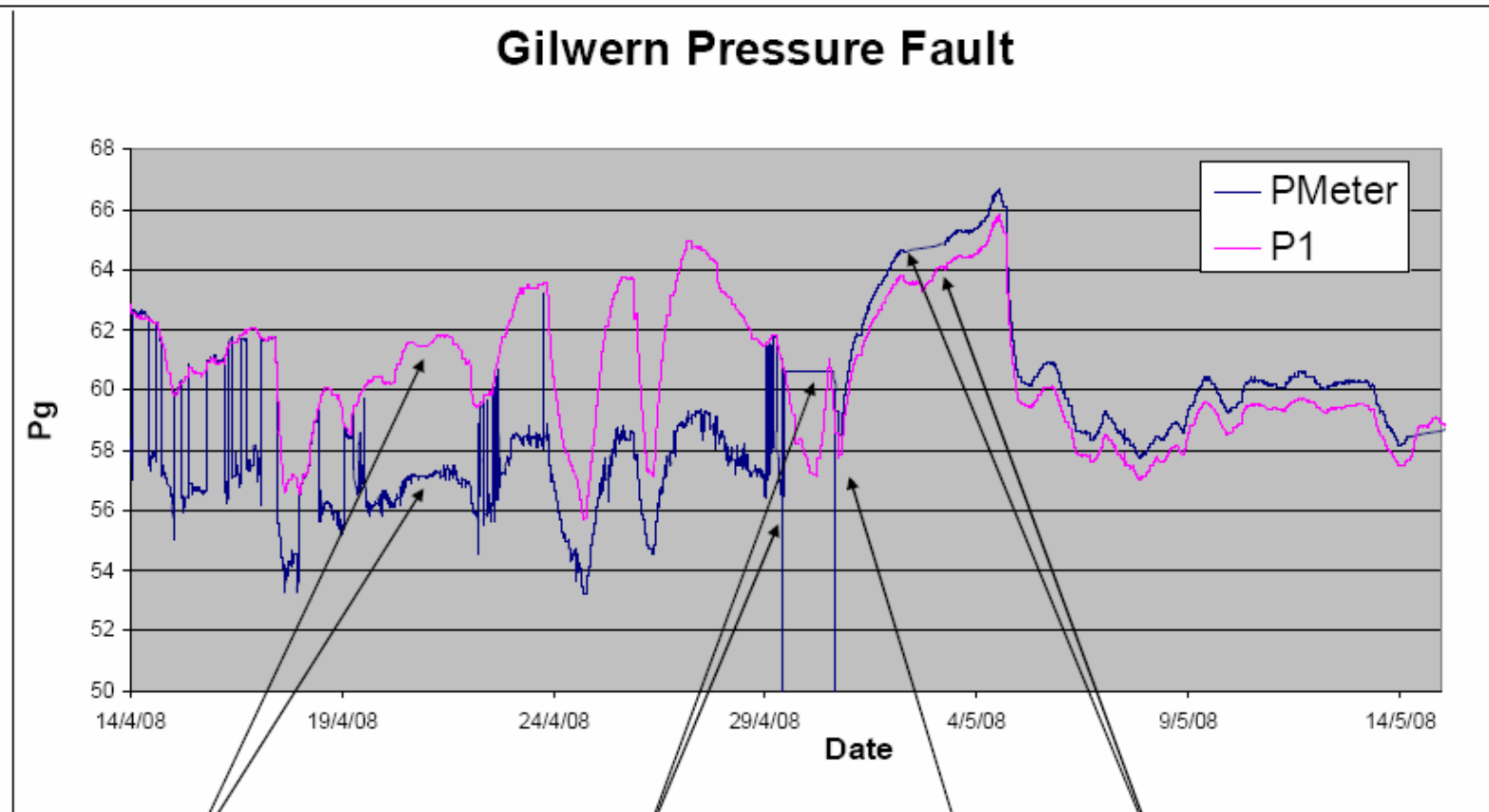
- Gilwern (Wales South)
- Pressure Transmitter fault/error
- Error duration 28/07/07 to 11/07/08
- Volume error of 0.642%
- Assessed volume of error 4.67 mscm (under registration)
- Estimation of Energy is 50.7 GWh (based on actual CV)



Note correlation of P1 and Pmeter prior to error

Validation on 20th and 22nd Aug 07

First occurrence of Pmeter failing occurs on 28/8/07

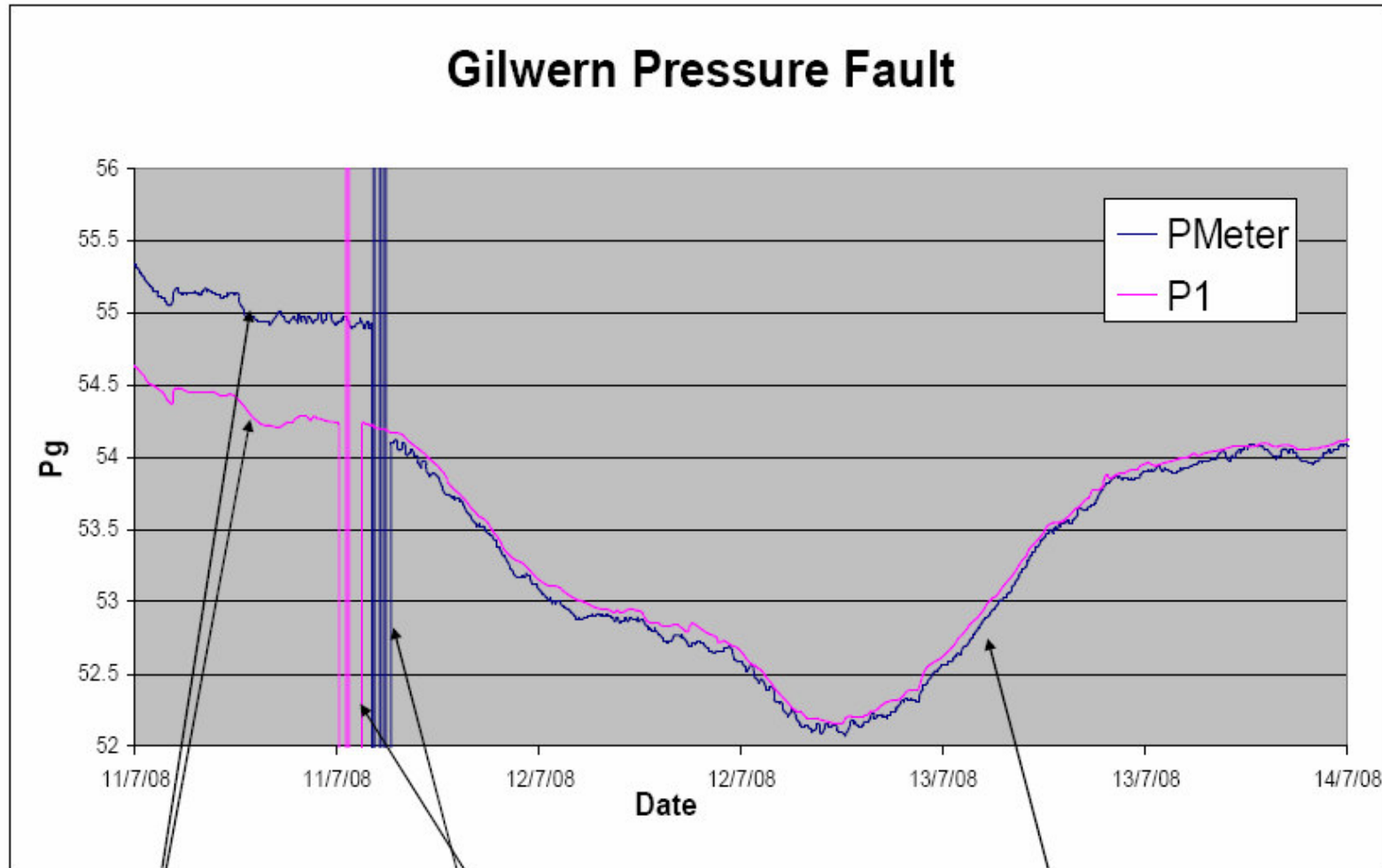


Pmeter
intermittently failing
and reading up to
4bar below P1

Technician called out
to site and fixed
value applied 29th
April 08

Meter
pressure
transmitter
changed 30th
April 08

Pmeter now reads
greater than the
upstream P1



Offset of Pmeter reading higher than P1 prior to calibration

Calibration of both pressures transmitters 11th July 08 note P1 not adjusted

Relationship between both instruments corrected

Measurement Error Notification Process

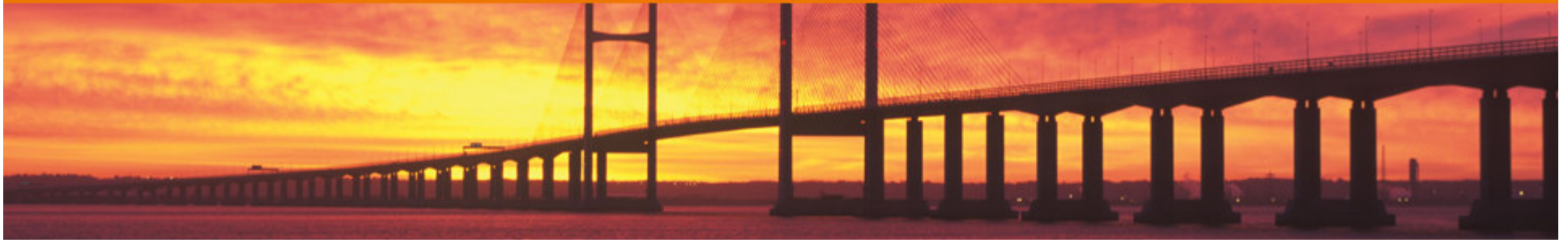
- Notified in March 2009
 - Estimated as “Medium” (30 – 50Gwh)
 - GL Industrial Services UK Ltd commissioned
 - Analysis
 - MER production
 - Estimated Energy 50.7 GWh (“High”)

Measurement Error Notification Process

- Notification Guidelines
 - Business Rules for compilation of MER (page 25)
 - Request error discussed at OAW / EOAW
- Downstream Party Recommended Approach
 - MER published
 - Carried out by Independent party (on Technical Expert Register)
 - Continue using the MER process



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Measurement Error - WS00131032009

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