



# Off take Measurement Errors

DESC 1<sup>st</sup> February 2011

# Background

- A number of LDZ offtake measurement errors were reported in 2009/10
- Most of these errors were relatively small (< 50 GWh in total) and most accounted for <0.1% of LDZ agg. NDM demand during affected periods.
- These small errors had little impact on WCF and SF values.
- However there were two significant offtake measurement errors in 2009/10 (both under recording):

LDZ	Offtake	Start	End	Est. Total Error (GWh)	% of Agg. NDM Demand
SC	Aberdeen	21/07/09	10/08/10	3,223	6.90%
SO	Braishfield B	26/01/10	26/04/10	1,161	8.78%

- Both errors resulted in lower WCF values and SF values further away from one (see following slides)

# Impact Of Significant Error on SF & WCF in SC LDZ

- WCF & SF over period of offtake measurement error compared to period before error took place (and post Mod. 204 implementation)

LDZ	Average during error 21/07/09 – 10/08/10 (386 days)		Average over period 01/10/08 – 20/07/09 (294 days)		Difference	
	WCF	SF	WCF	SF	WCF	SF
SC	-0.1335	0.9802	-0.0965	0.9950	0.0369	0.0148

- WCF lower and SF further away from one during period of error compared to period before error took place
- Relates to example described in November '10 WCF and SF analysis

# Impact Of Significant Error on SF & WCF in SO LDZ

- WCF & SF over period of offtake measurement error compared to period before error took place.

LDZ	Average over error 26/01/10 – 26/04/10 (91 days)		Average over period 27/10/09 – 25/01/10 (91 days)		Difference	
	WCF	SF	WCF	SF	WCF	SF
SO	-0.0871	0.9932	0.0050	0.9980	0.0921	0.0048

- WCF lower and SF further away from one during period of error compared to period before error took place