

# Project Nexus

AMR 17 – Note on Weather  
Sensitivity

2nd February 2011

Version 2

# Note on Weather Sensitivity of Different Sites

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- QUESTION FROM AMR 16: is it appropriate to use D-7 for estimating for all sizes and classes of site?
- Is weather (temperature) a significant determinant of demand for I&C sites?
- Temperatures can often vary by 5° week to week or even day to day
- Examples overleaf are taken from current Demand Estimation models – based on actual site sample data – shows % loss of demand for 1° and 5° increase in CWV (Composite Weather Variable)

# Extracts from 2010/11 Demand Estimation Models

EUC	% Demand Loss for 1° increase in CWV	% Demand Loss for 5° increase in CWV
Band 02B		
- SC	5.5%	27.5%
- SW	5.7%	28.5%
Band 05B		
- SC	5.0%	24.9%
- SW	4.5%	22.8%

# Extracts from 2010/11 Demand Estimation Models – War Band EUCs

EUC	% Demand Loss for 1° increase in CWV	% Demand Loss for 5° increase in CWV
Band 05 War Band 1		
- SC	2.0%	10.0%
- SW	1.4%	7.0%
Band 05 War Band 2		
- SC	7.3%	36.5%
- SW	6.5%	32.5%

# Example Weather Relationship – EUC Band 3

