

MEETING AGENDA
End-Use Metering in the Residential Sector
Tuesday 3 February 2009
UNSW Campus, The John Niland Scientia Building, Sydney

Participants: Lloyd Harrington (EES), Robert Smith (EA), Robert Simpson (EA), Pat Gannon (EA), Michael Camilleri (BRANZ), Kevin Lane (UK), Jim McMahon (US), Ian McNicol (Sus Vic), George Wilkenfeld (GWA), Mark Ellis (MEA), Mike McCann (P&S), Tony Marker (P&S), Paula Kleverlaan, Allan Balino (Solar Cities), Charles Michaelis (Databuild UK), Tim Farrell (DEWHA), Shane Holt (DEWHA), Liz Watts (DEWHA), others TBC

TIME		ITEM	PRESENTER
8.30	9:00	Registration (Coffee & Tea on Arrival)	
9:00	9:10	Welcome and Introduction	Tim Farrell
9:10	9:25	Overview of current proposals for end-use metering in Australia	Lloyd Harrington
9:25	9:40	End-use metering project: Utilities perspective	Robert Smith
9:40	10:30	Requirements from end-use metering: stakeholders perspective <ul style="list-style-type: none"> • Priorities • Analysis required • Level of detail 	Group Discussion
10:30	11:00	Morning Tea	
11:00	11:30	Proposal for a Household Energy Monitoring Program (HEMP) in Australia	Lloyd Harrington
11:00	12:30	Group Discussion about HEMP	
12:30	1.30	Lunch	
1:30	4:00	Continued Group Discussion about HEMP: <ul style="list-style-type: none"> • key design and methodology issues • sampling issues - use of stratified samples, random samples and/or small samples which can be matched to larger population data • key demographic factors to collect and control when sampling • recommended sample sizes for different end uses and types of information • key correlations between energy use and other demographic factors (international experience) • attributing remaining end use energy when undertaking whole house monitoring with only a few individual end uses • issues with scaling up end use data for individual appliances to the population and stock • critique of the suitability of ABS4602 for assessing stock of key appliances in the residential sector • assessing and dealing with variability of user interaction with appliances, especially those appliances affected by weather • special issues regarding end use metering for lighting (mix of technologies, wide range of usage) • special issues regarding end use metering for refrigeration (energy impact of ambient temperature and usage) special issues regarding end use metering for hot water, especially regarding multi-fuel inputs (eg solar with boosting) suggestions for a generalised database structure for pooling data. 	Lloyd Harrington Kevin Lane
3:30	4:00	Afternoon Tea	
4:00	5:00	<ul style="list-style-type: none"> • Lessons learnt for end-use monitoring in Australia • Key design and key methodology • Conclusions and next steps 	Lloyd Harrington
6:30	Dinner- Energy Efficiency Centre - Energy Australia, Homebush		