

IOR Beyond Refrigeration WG notes 19th May 2021 – chaired by Graeme Maidment

Beyond Refrigeration Theme	WG points discussed – what we should be doing to move this forward	How can the IOR and members make this happen?	What resources are already available, who else needs to be involved?
Maximising System Performance	<ul style="list-style-type: none"> • Preventative maintenance • Govt, users of equipment explained in language meaningful to them • Benchmarking tools and resources • Energy performance of buildings – understanding the metrics • Sector and nation approaches 	<p>Good Practice Guidance Note on Maintenance for Efficiency Communications campaign messaging for different operators</p> <p>Database of Case studies, Benchmarking, Resources</p>	<p>CCF Benchmarking study NABORS in Australia kWhrs per M2 office space – leading to * ratings https://k-cep.org/wp-content/uploads/2018/03/Optimization-Monitoring-Maintenance-of-Cooling-Technology-v2-subhead....pdf</p>
Using Best Available Technology	<ul style="list-style-type: none"> • Independent advice needed on different technology options • Use of social media and forum to share experiences and success • Taking a long term approach to decision making, future resilient 	<p>Technology Briefs and Database of Case studies, Benchmarking, Resources Communications campaign to share successes. Policy Papers to influence legislators/incentives/skills</p>	<p>Use LinkedIn to share information ?</p> <p>Carbon Trust Technology Roadmaps for Retail refrigeration</p>
Balancing heating and cooling	<ul style="list-style-type: none"> • Signposting technologies already available – proven successes • Government incentives, legislation to support this required • Training of operators, handover, commissioning • Reliable data on savings needed • Opportunities for different business to share needs • 	<p>Technology Briefs</p> <p>Policy Papers to influence legislators/incentives/skills Good Practice Guidance note on skills /practices for efficiency Database of Case studies, Benchmarking, Resources</p>	
Reducing the need for cooling	<ul style="list-style-type: none"> • Consider the impact of changing patterns of consumer behaviour • Awareness of environmental impact of temperature set points for different types of use 	<p>Communications campaign/Policy Paper Good Practice Guidance note on set points</p>	<p>CIBSE and BESA have information on more efficient use/setting of AC</p>

Using energy intelligently	<ul style="list-style-type: none"> • Learn from what other organisations are doing successfully. • Education of users – offices, warehouses, supermarket shop floors, homes - on behaviours to support best performance • Identify new technologies available • Make best practice mandatory 	<p>Database</p> <p>Communications campaign for users</p> <p>Technology briefs</p> <p>Policy Papers on energy use</p>	
Working together	<ul style="list-style-type: none"> • Joined up strategies for working together between organisations • Agreeing best practice • Joined up Government thinking • More external facing and engaging climate activists etc 	<p>Umbrella group for organisations / stakeholders</p> <p>Industry Policy Paper</p> <p>Policy paper for legislators</p> <p>Communications campaign for messaging outside the industry</p>	CCF, Cool Coalition, ACRIB?
Addressing people and skills	<ul style="list-style-type: none"> • Delivering education to support overlap between technicians, designer and manufacturing to encapsulate how their work impacts on maintenance, recyclability etc • Education on new technologies • Netzero as a key skill for everyone in our sector especially attracting new people with this in mind 	<p>Good Practice Guidance on CPD training for efficiency</p> <p>Technology briefs</p> <p>Communications campaign - recruitment</p>	
Whole system sustainability and more..	<ul style="list-style-type: none"> • Maintenance for energy reduction • Training and accreditation • Circular economy/countries/transport • Life cycle studies/Benchmarking and prioritisation • Influencing legislation on achieving operational efficiencies • Clear messaging in collaboration with other organisations 	<p>Good Practice Guidance on Maintenance/training/skills</p> <p>Technology briefs</p> <p>Policy papers for legislators/incentives</p> <p>Communications campaign to agree how we work externally</p>	Old Carbon Trust guides to update?