



# Recognising Achievements in Energy Management

The EMA Energy Management Awards were launched in 2015 with the aim to recognise and celebrate outstanding work in the energy management and sustainability industry. Every year the EMA Awards attract entries from dedicated and passionate individuals and teams who give us the opportunity to celebrate the exceptional achievements and talent in our industry.

The 2019 winners and highly commended once again demonstrated an incredible dedication, resilience and can-do attitude. The importance to celebrate successes and share pitfalls resonated throughout the entries and the EMA hopes that the Awards will help the winners prove their credentials to tackle climate change and raise their profiles in the industry.

**The EMA Awards 2019 winners are:**



## Energy Manager 2019 – Private Sector

Lee Preston – Group Carbon and Utilities Manager – Aviva

Lee is an experienced and passionate environmentalist, with 16 years of industry experience working within large automotive and financial FTSE 100 corporations.

Since 2014, Lee has been Aviva's Group Carbon & Utilities Manager. Aviva's potential sustainable impact is vast and is reflected in their far-reaching sustainability objectives. Lee's work directly impacts the progress Aviva has made towards achieving these targets. Lee has driven a 60% global carbon emission reduction, versus a 70% target by 2030 through many energy efficiency projects.

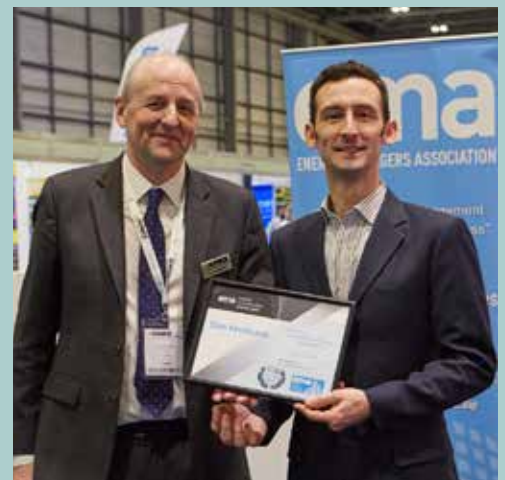
Lee is currently embarking on multiple market leading programmes including: A global smart building programme that will save over £5 million, currently at over £2 million to-date, big onsite renewable energy projects including solar carports, energy storage and onshore wind.

## Energy Manager 2019 – Public Sector

Dan Fernbank – Energy and Sustainability Manager – University of Reading

Dan has been Energy & Sustainability Manager at the University of Reading since 2011, leading their estate-wide sustainability programmes. Dan has overseen some of the largest carbon reductions in the higher education sector, delivering a 41% cut in the University's carbon emissions, saving £30 million cumulatively. The ISO50001 energy management system he has developed includes a number of bespoke tools to help prioritise energy efficiency interventions, as well as to predict future changes in energy demand.

Dan is a registered Practitioner in Managing Successful Programmes (MSP) and is also a voluntary Director for Reading Community Energy Society.



## Junior Energy Management Professional 2019

William Begg – Energy Manager – Kingston University

William is an experienced energy management professional with a proven record of delivering successful carbon reduction projects in the higher education industry, skilled in project management, sustainable development, carbon management and energy analysis.

Since 2016, William has worked at the Kingston University as an Energy Management Assistant scoping and delivering a number of energy reduction and efficiency projects.

He has now moved into the role of Energy Manager at the University with responsibility for developing, maintaining and managing the University's Carbon Management Plan.

William holds a Degree in Environmental Science from the University of Nottingham and is currently studying towards his Masters in Building Surveying at the Kingston University.



## EMA Member 2019

Ben Burggraaf – Head of Energy Optimisation – Welsh Water

Ben received his Mechanical Engineering degree from Twente University in 2003 and became a Chartered Engineer with the Institute of Mechanical Engineers in 2008. He started his career in 2002 at the Corus/ Tata Steel R&D facility in the Netherlands and in 2007 was appointed as the Energy Optimisation Manager at the Port Talbot Steelworks.

In 2014, he made the switch to Welsh Water, becoming responsible for the day-to-day energy costs of the 4,000+ sites across Wales & Herefordshire.

In October 2018, Ben was appointed as the Head of Energy Optimisation leading on all aspects of energy management for Welsh Water.



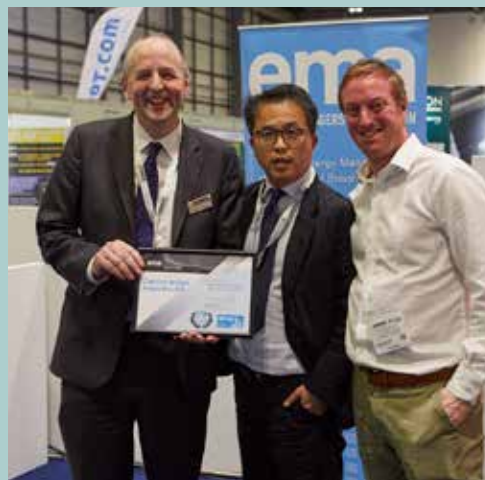
## Energy Management Team 2019 – Private Sector

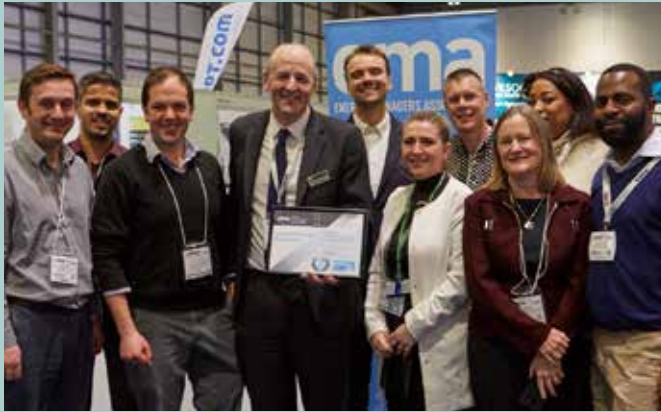
The Energy Management Team – Cannon Bridge Properties Ltd

The energy team at Cannon Bridge House covers an array of people from different organisations (Building Management Team – BNP Paribas, Optimum Group Service, Chartwell BMS, Carbon Credentials) to ensure that the building's Energy Management Plan (EMP) program is implemented and monitored regularly to ensure energy performance targets are on track.

The team is sponsored by Josh Ashim (General Manager) and led by Foon Tse (Technical Services Manager) who is passionate about energy and puts in the hours to energise the team to always prepare and follow through with what they are doing as this is the only route to success.

In 2019, the program implementation resulted in a reduction of 1.7MWH in the electricity usage which equates to circa £200K and 518 Tco2.





### Energy Management Team 2019 – Public Sector

The Energy Services Team – London Borough of Islington

The Islington Energy Services Team is made up of 28 energy professionals working across many fields. The Energy Advice officers help vulnerable residents in Greater London via the award-winning SHINE service, a telephone help line, and via Energy Doctors who install energy-saving measures in homes.

managing a borough-wide network of energy partnerships and Within the team, specialist officers conduct energy audits, help small businesses with energy management and offer energy advice on planning matters.

The Energy Project officers develop and operate various projects, including installing heat networks, and developing the 2030 Zero Net Carbon action plan.

### Energy Management Project 2019

Transport Scotland

Transport Scotland is responsible for the management, procurement and payment of energy consumed from Roadside Electrical Assets (REAs) on the Trunk Road Network. REAs mainly include trunk road lighting, illuminated signs and bollards, traffic signals and Traffic Scotland equipment (intelligent transport system assets) with road lighting accounting for approximately 86% of the energy consumption associated with these assets.

The project undertaken by Transport Scotland and its operating partners has reduced energy consumption by 30%, this equates to 27,081,877 kWh (financial year 2018/19), when being compared to a baseline of 38,787,047 kWh. The effects of the efficiency programme have seen carbon emissions associated with the Scottish trunk road electrical assets reduced by approximately 60%.



### Energy Management Consultancy Partnership 2019

Leisure Energy Limited - Freedom Leisure - Derbyshire Dales District Council



Leisure Energy is a consultancy focussed on helping the leisure industry save energy, increase sustainability and save money, supporting operators to help more people be more active more often. The partnership with Freedom Leisure has been in place for 4 years with the aim to help the organisation reduce energy spend at approximately 25 sites.

Freedom Leisure recently won the Derbyshire Dales' contract to operate 4 centres in the area. Leisure Energy is helping both organisations to install new energy efficient equipment, controls and train staff to drive down usage, resulting in savings estimated at 138 TCO2e per year which will contribute to the Council's carbon targets.



### Energy Product 2019

Weatherite Air Conditioning Ltd – Weatherite Direct Adiabatic Cooling Unit

Over the last 47 years, Weatherite Air Conditioning Ltd has established itself as the UK's leader in the design and manufacture of innovative, energy efficient, low carbon, high quality Heating, Ventilation and Air Conditioning (HVAC) equipment for all sectors of industry. Rather than supplying an 'off-the-shelf' product, which may or may not offer the right solution, Weatherite Air Conditioning Ltd design, manufacture test and pre-commission made-to-measure equipment, which meet the client's exact requirements.

Energy efficiency and the reduction of carbon emissions are high on almost every organisations' agenda and Weatherite Air Conditioning Ltd continually looks at ways of reducing energy usage whilst also looking at ways of helping reduce harmful greenhouse gas emissions.



### Innovative Energy Product 2019

Marton Geotechnical Services Limited – PCM Thermal Energy Store

Utilising plant based - Bio Phase Change Material (PCM) offers a dynamic thermal store and buffer provision for Biomass, CHP and process heat /cooling systems. PCM's latent heat characteristic gives significant space saving over water thermal stores and overcomes issues of bulk water storage. This compact store's ability to charge and discharge multiple times if called upon, can influence positively its nominal capacity of 100kWh. Highly flexible, the modular design is a transportable and connectable solution.

The world needs energy efficiency and carbon reduction; and the thermal store is an exciting future proposition.

#### Amongst the 2019 Highly Commended are:

##### Energy Manager (Private Sector)

Sam Arje – Group Energy and Sustainability Manager – Bourne Leisure

##### Energy Manager (Public Sector)

Gillian Brown – Energy Manager – University of Glasgow  
Richard Willson – Environmental Strategy Manager – Norwich City Council

##### Junior Energy Management Professional

Aimen Taki – Energy Manager for Kent and Sussex Routes – Network Rail

##### Energy Management Project

Coventry City Council  
Places for People



**Congratulations to all of our 2019 Winners and Highly Commended.**

**The entries for the EMA Energy Management Awards 2020 will open in June.**