

DLR Energy Team Overview

The DLR Energy Team, a cross departmental group, was established in 2009 and derive their remit from the National Energy Efficiency Action Plan which states the following:

The public sector will improve its energy efficiency by 33% and will be seen to lead by example— showing all sectors what is possible through strong, committed action.

Actions:

- Participated in the 2010 SEAI's pilot Public Sector Monitoring and Reporting (M & R) Energy Consumption Database,
- Energy map training,
- Participated in SEAI Public Sector Partnership Programme,
- Drafted DLR Building Inventory compiled,
- Embed Energy in Corporate Documents + DLR COCO website Energy Page
- SEAI Area Based Programme 2013, 2014
- SEAI Better Energy Communities 2013, 2014, 2015
- SEAI Deep Retrofit Programme
- SEAI EXEED Programme – Using ISO 399
- Staff Engagement Programme including Staff Presentations, Energy Awareness webpage, Email updates, Low Finance Domestic Energy Upgrade through Staff Credit Union,
- First Dublin Local Authority to reach full compliance with ISO 50001 EMS,
- Pilot Housing Projects Rochestown House Phase 2 - continuous post occupancy Review. This project led to SEAI's Deep Retrofit Programme,
- nZEB compliant + A1 Rated New Housing includes: The Mews, 132 Pottery Road & Georges Place Rapid Housing Delivery,
- DEC's for all Corporate Buildings open to the public and over 250m² + two major protected Structures, Marlay House and Cabinteely House,
- Energy Bills Database – Energy Elephant (All SEU buildings and DEC buildings on this system to allow for accurate record of energy cost and energy management. All based on monthly meter readings),
- Review of Fleet – including Electric Vehicles introduction where appropriate,

- LED Upgrade Programme Public Lighting as well as lighting enhancement programme,
- Engagement with stakeholders including Government Departments, Government Organisations, Community, Business, Academia, Schools,
- Feed into Regional Climate Change Approach and DLR Climate Change Mitigation and Adaptation Plans,
- Membership of EU-wide Covenant of Mayors, Energy & Climate,
- County Development Plan objectives (See Chp 5 Vision Statement and Objectives Chp 5.2),
- Lectures on Energy, Climate Action and Housing, eg Energy Action, nZEB Conference etc,
- Domestic Photo-voltaics + Battery Storage Pilot – continuous post occupancy review,
- Heat Pumps based on Infra-Red – Protected Structures,
- Partner with Energy Suppliers to deliver Energy Upgrade Projects through the Energy Credit, Scheme. Successful partnerships to date have included SSE Airtricity, Energia, REIL and Electric Ireland.

Team Members

Andrée Dargan

Andrée is the County Architect for Dún Laoghaire-Rathdown County Council and a member of the DLR Management Team. She is a member of the Royal Institute of the Architects of Ireland and the Local Authority City and County Architects' Association.

She is the nominated Energy Performance Officer for dlr as defined under Public Sector Energy Strategy, Dept. of Communications and Climate Action & Energy. She was a founding member of the dlr Energy Team in 2009 and has been dlr's energy champion since then.

Projects include the RIAI award winning Rochestown House – a deep retrofit housing project to passive house energy standard supported by the Department of Housing, Planning and Local Government and the SEAI Better Communities Programme – this

project was instrumental in the development of the new SEAI deep retrofit programme of which dlr is a participant.

Austin Baines

Austin is Senior Executive Officer Infrastructure & Climate Change and is the administrative coordinator of the DLR Energy & Climate Change Strategic Policy Group through which DLR membership of the Covenant of Mayors was brought to main council. This was passed December 2016. He was the former Head of DLR IT Section and within same drove the IT energy efficiency programme across DLR corporate. He is a founding member of the DLR Energy Team and has served on same since 2009. He serves on the Dublin Regional Climate Change group and is the DLR coordinator for the Climate Change. He is passionate about an environmentally sustainable and socially just human presence on this planet.

Sarah Cassidy

Sarah has over twenty years' experience as a professional architect working within both the private and public sector, is a Member of the Royal Institute of the Architects of Ireland and a Certified Energy Manager. One of the founding members of the DLR Energy Team in 2009 she has filled the role of Energy Officer for Dún Laoghaire-Rathdown County Council since 2012. There she has led DLR to be the first Dublin Local Authority to be fully compliant with ISO50001 EMS and SI 426, and the role includes identifying energy improvement projects, briefs + budget to provide added value to built projects. Work includes demonstrating DLR's exemplar public sector role through energy programmes such as SEAI BEC, EXEED and through stakeholder engagement with Government Departments and Agencies, community, business, academia, industry and utility suppliers to promote energy efficiency and further the Climate Change remit. She promoted membership of EU wide Covenant of Mayors, Climate & Energy, to aid the Energy and Climate Change future proofing of DLR area and is an active member of the Climate Change Team and Smart Dublin group.

Mary Hegarty

Mary is an Executive Engineer within the Municipal Services Department and is a Member of Engineers Ireland. She has worked in the Public Lighting Section of DLR for

over 10 years and in that time has implemented an energy saving and lit environment improving LED upgrade scheme to reduce light pollution while improving the visual environment of the users of this county.

She is a founding member of the DLR Energy team. Public Lighting is the greatest energy significant user within DLR corporate and Mary's role within Public Lighting and LED upgrade programme was instrumental in DLR achieving ISO50001 Energy Management System compliance. She has collaborated with several team members to maximise energy savings and ensures project delivery encompasses potential future technological advances.

Her position within the Smart Cities team ties in seamlessly with the energy saving projects and will help make DLR a Smart City

Ann Hegarty

Ann is Senior Executive Officer within the Housing Department. She is a founding member of the DLR Energy team. Ann's role in Housing has kept energy to the forefront of upgrade to DLR's Housing Stock. She has been instrumental in ensuring support for pilot energy projects including Rochestown House as well as trialling innovative energy systems within housing including a pilot combining use of Photovoltaics with Battery storage to minimise tenant energy consumption and by default energy cost. Both projects are being monitored post occupancy on a continuous basis to allow for feedback to the energy team.

Kathryn O'Rourke

Kathryn is responsible for looking after the DLR Energy Bills Platform, Energy Elephant, which is a key interactive energy control and records database. The DLR Energy Bills Platform aids compliance with DLR's Energy Management System. She liaises with 'owner' departments and coordinates continuous and accurate meter readings to ensure delivery of accurate energy usage and cost across DLR corporate.

Kathryn has helped collate and assess historical energy data to ensure robustness of data and aid legislative public sector annual reporting of energy consumption to the SEAI.

Marcella Murphy

Marcella is a Senior Executive Engineer within Municipal Services Department and a Member of Engineers Ireland. She has served as Employer's Representative on the Facility Management Contract with Apleona, DLR's current FM Contractor and was instrumental in drafting the contract. She is coordinating a review of DLR Fleet including from an energy perspective and is looking at incorporating Electric Vehicles within the DLR fleet. She is also looking to promote further EV charge points across the County in liaison with DLR's Sustainable Travel Officer, Gerard Flaherty.

Mary Ruane

Mary is Senior Executive Officer within the Community and Cultural Department and is also a recent member to the Energy Team. Her remit includes Libraries, Community Centres and Leisure Centres which form four of DLR's Significant Energy Users. Mary is helping to coordinate an energy review of the four SEUs including a drive towards renewable energy within same. Mary brings a wealth of knowledge from her previous role in Housing in project delivery.

Niall Cull

Niall is the Acting CEO DLR Leisure. He has over 25 years Leisure industry experience, 21 years with DLR Leisure. His qualifications include the SEAI *Energy Mapping for Leisure facilities* course. Previously, he has worked on energy projects including CHP provision, Pool Plant efficiency and BMS facility management. His support of the Energy Team was instrumental in the successful SEAI Better Energy Communities grant and in delivery of ISO50001 EMS. He has established active Energy Teams amongst his team within dlr Leisure Services to further energy efficiencies.

Geraldine McHugh

Geraldine is Senior Executive Librarian in dlr Libraries. She has represented Libraries on the Energy Team since 2011 and been involved in energy saving initiatives in branch libraries throughout the County, including the dlr LEXicon. Her support of the DLR Energy Bills Platform allowed for the system to be rolled out to all Library Buildings and enabled active participation of colleagues in energy monitoring and engagement in all branches. DLR Libraries has always actively engaged with members of the public and we are looking at rolling out public energy awareness programmes in the near future.

Sibhán Naughton

Sibhán is Administrative Officer within Corporate, Communications and Governance Department. She served within the Housing Department and briefly as the Procurement Officer for DLR. Her active membership of the Energy Team allowed for a Staff Engagement Programme including promotion of a Low Finance Domestic Energy Upgrade programme through the Staff Credit Union with support of the SEAI and SSE Airtricity. She helped promote DLR's EXEED application to the SEAI for Energy Upgrade of County Hall – DLR's largest building Significant Energy User as defined under ISO50001 EMS. The SEAI EXEED programme uses an energy efficient design evaluation process as defined under IS399. DLR's Energy Team are working towards EXEED Managed Accreditation for County Hall.