

2014 SEAI Better Energy Communities Programme











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Public Sector Role



Climate Change Mitigation issues driven by EU targets

Public Sector key factor to achieve Energy Efficiency targets within NEEAP

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.

National Legislation SI 426 of 2014 Public Sector Exemplary Role (SI 542 of 2009)

- Reduce Energy Consumption by 33% by 2020
- Implement Energy Audits
- Energy efficient procurement
- Energy efficient buildings & their energy management practices
- Financial instruments for energy savings
- Report on Annual Energy Consumption
- Display Energy Certificates (DEC) in all public buildings over 250m² by 2015
- Public Body only purchase/lease a building/portion of a building for its own use where the Building Energy Rating (BER) equal to or better than A3 from 1st January 2015



Local Authority – Sample Services

Community Centres

Libraries

County Development Plan

Parks & Recreation

Conservation & Architectural Heritage

Roads



Social

Sports programme **Tidy Towns**

Energy Exemplar

Playgrounds

Traffic Wardens

Heritage Programme

Public lighting

Green Schools Program me

Civic Buildings

Implementation of national policy at local level

Urban Realm Improvements

Cleansing & Waste Management



- Dún Laoghaire-Rathdown County Council 1 of 4 Dublin Local Authorities
 - South-East Dublin bounded by Mountains and Sea
 - Geographically and Socially diverse

211,000 residents

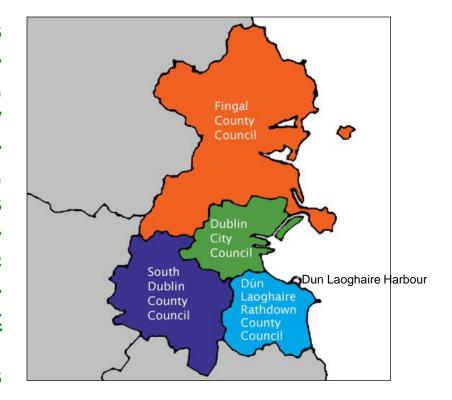
communities, businesses, schools, academia, industry

tourists - sea, harbour, mountains, retail, festivals, parks

commuters, economic

commuters, transient

Range of Municipal Services







81,000 Housing Stock within DLR administrative area 4,400 Social Housing Stock

Social Housing Energy Upgrades over 9 years
Double Glazing Windows, Attic Insulation, Energy Efficient Boilers and ancillary
work including rewiring

2013 Area Based Programme

Cavity filled 780 including 90 improved heating systems & BERs Partnered Energy Provider - REIL Emprova



2014 Area Based Programme

Cavity filled 1000 including 80 improved heating systems & BERs Partnered Energy Provider - Airtricity Utility Solutions



Pilot Project External Insulation

To date – DLR Public Sector Programme

- 2010 Energy Team cross departmental interdisciplinary team established
- 2010-2011 SEAI public sector pilot project Measure & Record energy
- Affiliation with inter-county energy organisations and governmental agencies eg Public Sector Partnership Service with the SEAI, CCMA etc.
- 2013 & 2014 Area Based Programme SEAI grant housing upgrade
- 2013 & 2014 Better Energy Communities SEAI grant communities
 2013 BEC 18 diverse projects realised c 476,860 kWh savings
 2014 BEC 21 diverse projects proposed c 4,300,000 kWh savings
- 2014 Commencement of County Development Plan Review 2016-2022

Comhairle Contae County Council

DLR approach to 2014 SEAI BEC

Energy Efficiency Projects result in energy consumption reduction and enable better community service provision

Demonstration of leading by example

Review DLR Energy Big Hitters with Bills subgroup input & analysis:

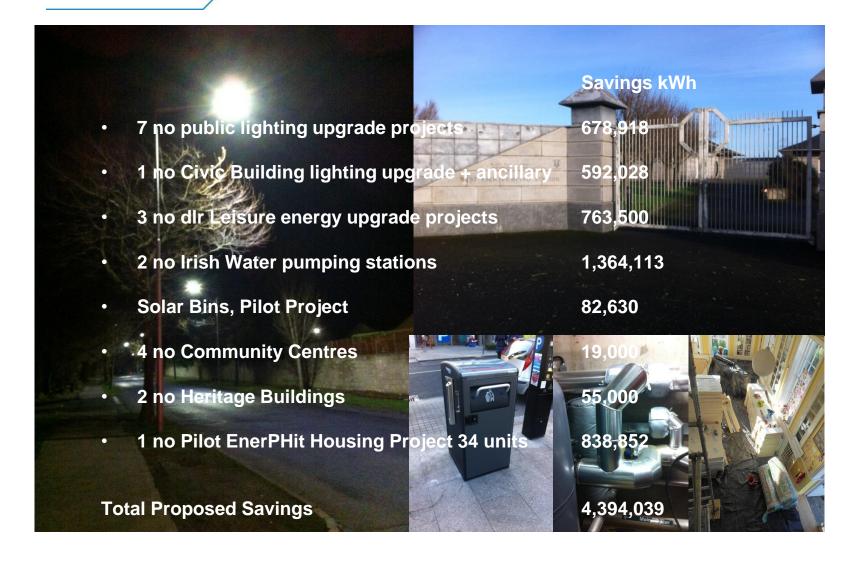
- Public Lighting
- Water Pumping (up until end of 2013) Irish Water post 1st January 2014
- Leisure Centres dlr Leisure Services
- Corporate Buildings
- Fleet
- Community Centres
- Heritage Buildings

Coordinate multi-organisational and stakeholder involvement

To provide energy improvement works which will improve provision of service to the wider community







Pilot EU Project



Rochestown House – EuroPHit Pilot EU Project passive house upgrade of existing Sheltered Housing for the Elderly

Dramatically Improving the Energy Performance and
Comfort of Existing Buildings with Step-by-Step

Refurbishment and Integration of Renewable Energy Systems (EUROPHIT



Training for design team
Training for tendering contractors
Further training for successful contractor
Supervision on site
Education on site – study trips
Monitoring and Verification
Post Project Analysis

Supported by DoECLG & SEAI through BEC 2014





Dún Laoghaire-Rathdown County Council



DLR coordinated and led 2014 SEAI BEC00219 energy project.
 DLR, dlr Leisure Services, Irish Water and Electric Ireland.
 21 project locations, 35 energy improvement projects



• SEAI BEC 2014 Energy Grant €1.294 million.



 Energy conservation and reduction accruing from the projects will aid DLR to meet public sector directive of 33% reduction of energy consumption from baseline year.
 4,394,039 kWh equates to 11.22% of total baseline consumption.



Energy Bills reduced – finance and client departments happy!



- Improved service provision for DLR citizens and visitors
- Energy Credits sold to Utility Provider further income for future energy projects
- Projects created employment in local economy
 137 employed, over 21 locations, 8624 person days, 20 consultancies

2014 SEAI Better Energy Communities Programme

Dún Laoghaire-Rathdown County Council + dlr Leisure Services + Irish Water + Electric Ireland DLR 2014 BEC Energy Team Andrée Dargan, Ann Hegarty, Austin Baines, Dara McGowan, Deirdre Baber, Eugene Doran, Geraldine McHugh, Karen Cahill, Kate Hynes, Mary Hegarty, Mary Loughran, Michael Church, Michael Fitzpatrick, Pamela O'Connor, Sarah Cassidy dlr Leisure Services Catherine Keenan, Karen McCarthy, Clodagh McGovern, Niall Cull, John McKenna Irish Water Willie Moynihan, Avril Peavoy WATER Electric Ireland electric Sean Mooney, Deaglan O'Donaill, Pat Lennon, Caitlin Neary photo: Denis Gilbe

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