

# REDUCE YOUR USE

## Electricity Supply Board

In line with its Sustainability and Net Zero by 2040 strategies, ESB is implementing a range of measures to deliver energy and carbon savings across its building and fleet portfolios.

All ESB-owned buildings are electrically heated, and all deep refurbishments include a heat pump. The new F27 headquarters building is the first fossil fuel-free modern office building in Ireland, and ESB also operates a company-wide Energy Management System.

As part of its own Beat the Peak Campaign, ESB pledged to reduce electricity use by 2,000,000 kWh over the winter period 2022/23. This was reinforced by the Reduce Your Use campaign.

ESB is taking urgent and focused action to achieve net zero emissions by 2040 and putting in place the infrastructure and services to enable the company, its customers and broader society to live more sustainably. This is balanced with the imperative to maintain reliable and affordable electricity supplies to support customers, communities and our economy.



**Approx. 2,000,000kWh savings below baseline**



**70 buildings**



Energy for generations



Rialtas na hÉireann  
Government of Ireland



OPW

Optimising Power @ Work



The F27 headquarters building is the first fossil fuel-free modern office building in Ireland

## Heating, lighting and other utilities measures



- Reduced heating down to fabric protection requirements.
- Turned off heating and utilities outside of operating hours in most buildings.
- Set internal space heating temperature to 19 deg. C in some buildings.
- Shut down heat in some office buildings at least 1-2 hours before buildings close.
- Optimised water heating to save energy in all buildings.
- Water features turned off.



- Reduced unnecessary use of lighting in most buildings.
- Turned off display lighting/window/feature display lighting between 5 and 7 pm every day in most buildings.



## Facilities assessments & monitoring measures

- Carried out energy efficiency assessment/audits.
- Conducted Out-of-Hours Walk-throughs.
- Operations and Maintenance Audits carried out.
- Operational control and measurement process developed for buildings.



Energy efficient heat pumps at Leopardstown Road Admin building

## Control, scheduling and behavioural measures



- Enhanced Building Management System planned preventive maintenance to ensure optimum building performance.
- Minimised the space occupied and heated in accordance with a reduction in occupancy.
- Ensured that operational control is appropriate to hours of work and services delivered.
- Reduced electricity use at peak times (5 pm-7pm).
- Adjusted set time and operation of all AV systems.
- Consolidated occupancy on floors.
- Closed window blinds to reduce solar gain.
- Turned off all power (excluding that essential for IT and Health & Safety).