

# DUBLIN REGION ENERGY MASTER PLAN



The Dublin Region Energy Master Plan provides realistic, evidence-based pathways for the Dublin Region to achieve its carbon emission reduction targets to 2030 and 2050. It is the result of three years worth of research by Codema's energy planning team to identify the greatest potential to reduce emissions related to heat, electricity, transport and buildings in Dublin. For the first time in Ireland, the Dublin Region Energy Master Plan uses spatially-driven energy scenario modelling to identify the cost-optimal solution that considers the socio-economic impact at a local level in Dublin, based on the specific energy "characteristics" or profile of a particular area.

# DUBLIN'S ELECTRICITY SECTOR



**OFFSHORE WIND**  
HAS THE GREATEST  
POTENTIAL FOR  
RENEWABLE ELECTRICITY



THIS OFFSHORE WIND  
COULD SUPPLY ELECTRICITY  
FOR THE EQUIVALENT OF  
**1.2 MILLION HOMES**  
BY 2030



UTILITY-SCALE SOLAR PV  
COULD ALSO CATER FOR THE  
EQUIVALENT ELECTRICITY  
DEMAND OF **203,334 HOMES**  
BY 2030



THE DUBLIN MOUNTAINS  
SHOW BEST POTENTIAL  
FOR A WIND  
STRATEGIC ENERGY  
ZONE

# POLICY RECOMMENDATIONS FOR ELECTRICITY

**maximise local generation**

to reduce the climate impact of significant electricity users



**make use of waste heat**

so that it is made available for planned or existing district heating networks



**enable infrastructure**

to maximise Dublin's renewable energy generation potential



**minimise grid impact**

as much as possible



# DUBLIN'S CURRENT ELECTRICITY DEMAND BY SECTOR

