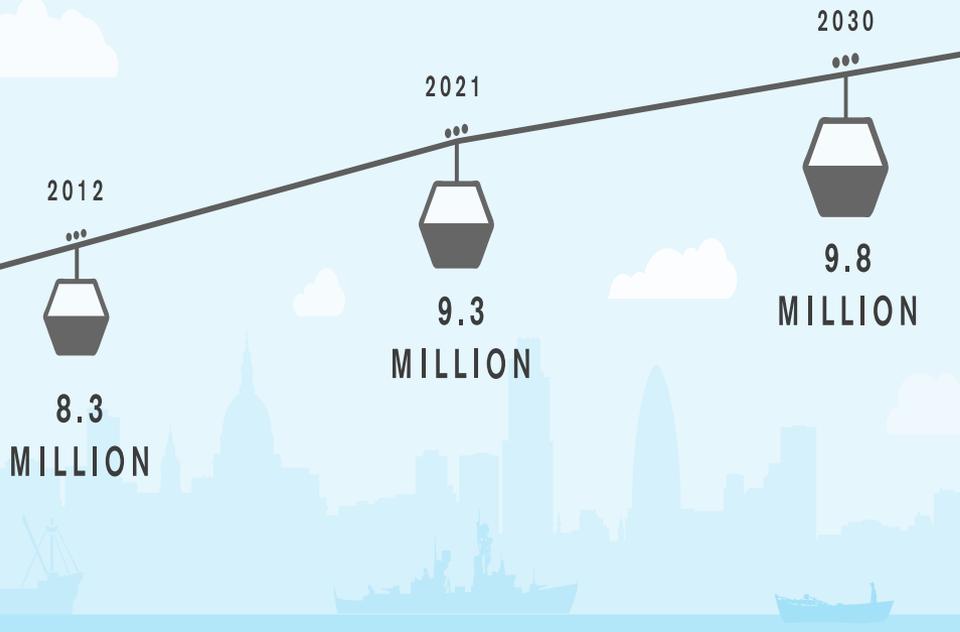


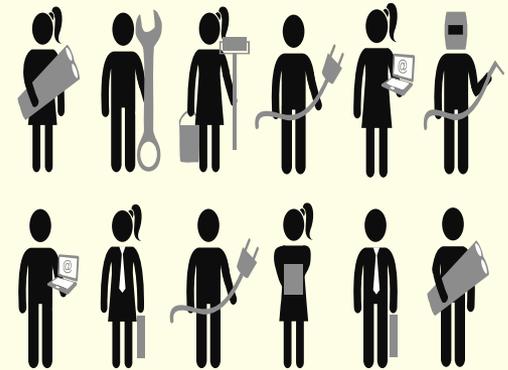
Why we need sustainable growth in London

LONDON'S GROWTH

POPULATION PROJECTION



LONDON
WILL HAVE
641,000
MORE JOBS
BY 2031



PUBLIC TRANSPORT WILL
NEED TO ACCOMMODATE
MORE THAN
600,000
EXTRA PASSENGERS
AT PEAK TIMES



LONDON WILL NEED AT LEAST
800,000
MORE HOMES

CONGESTION ON
LONDON'S ROADS
COSTS THE ECONOMY
OF £2 BILLION A YEAR

Mayor's climate change mitigation and energy strategy



DELIVERING LONDON'S ENERGY FUTURE

THE MAYOR'S CLIMATE CHANGE MITIGATION AND ENERGY STRATEGY
OCTOBER 2011

MAYOR OF LONDON

- London's CO₂ emissions reduction
- **Target for 2025 based on 1990 levels:**
 - **2025 - 60%**
 - **2050 – 80%**
- CO₂ emissions in 1990 = 45.05 MtCO₂ p/a
- CO₂ emissions in 2008 = 44.71 MtCO₂ p/a
- CO₂ emissions in 2012 = 40.75 MtCO₂ p/a
- **25% decentralised energy target by 2025**

GREATER**LONDON**AUTHORITY

The problem we are trying to solve

80 percent of London's buildings will still be standing in 2050. Retrofitting existing homes with energy efficiency/supply measures is essential to reducing energy bills and CO₂

44.7 million tCO₂ annually, **~80% of city's emissions are from buildings**

1.8m homes with solid walls, 1.4m inadequately insulated lofts, 760,000 cavity walls

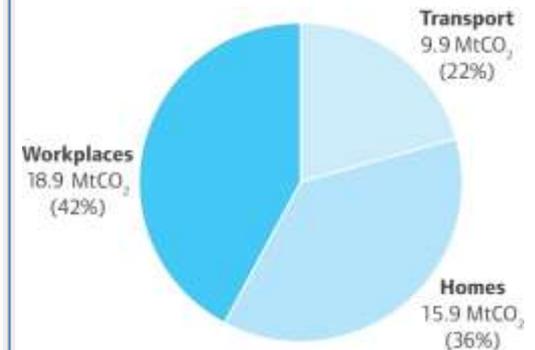
50% flats

Half of all conservation areas

High PRS and 12% of the England's total fuel poor

Government has marked out the importance of decarbonising buildings

London's CO₂ emissions

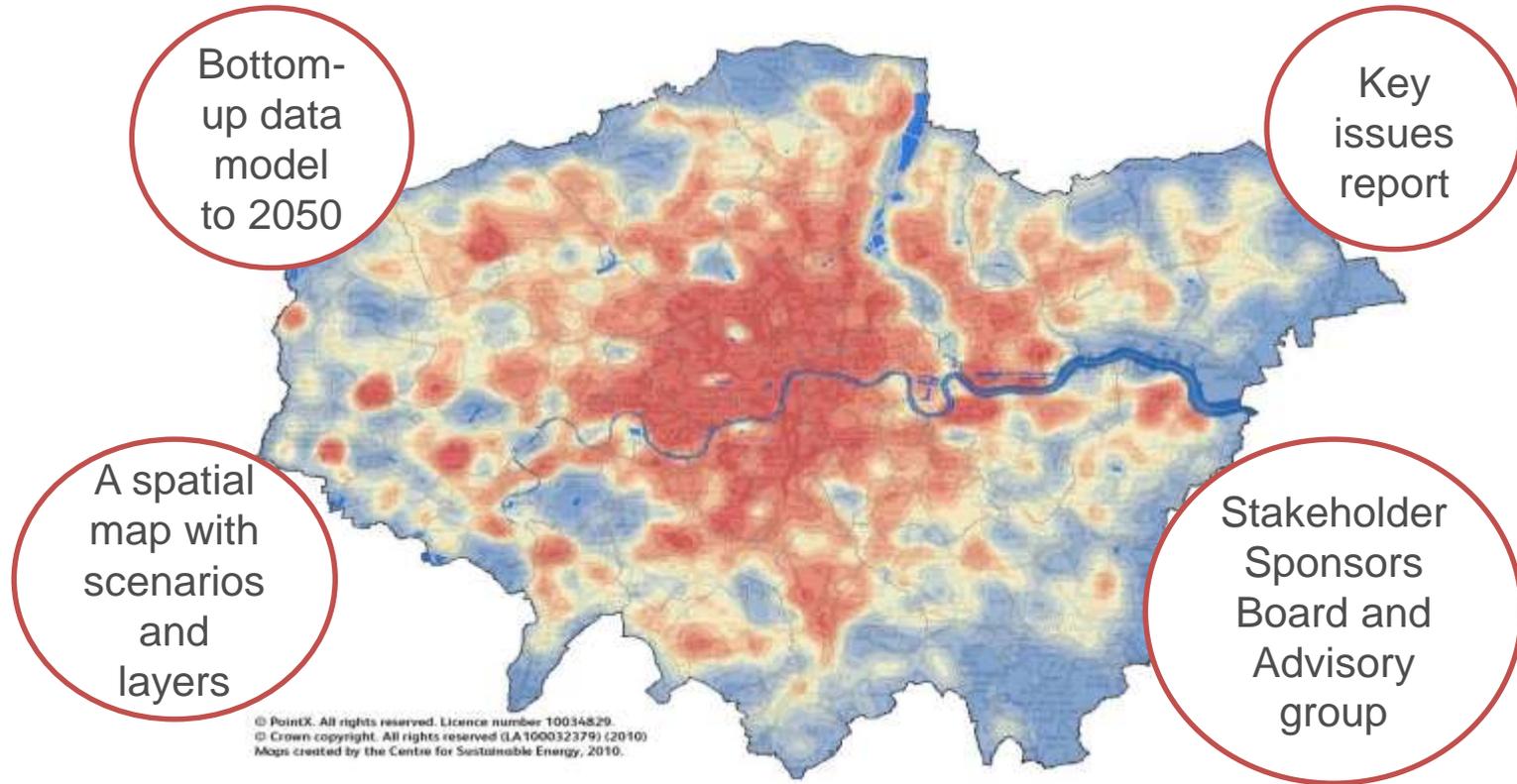


We are taking action on multiple fronts...

We have a number of successful programmes:

RE:FIT	Mayor's award-winning procurement framework provides for the public sector to retrofit their buildings and reduce their carbon footprint. RE:FIT represents a £63m capital investment and has already saved 30,000 tonnes of carbon
RE:NEW	Designed to overcome delivery barriers and significantly increase the scale of domestic retrofit across the capital. It is supporting the retrofit of 175,000 homes by 2017 (in addition to over <u>half a million homes already retrofitted by RE:NEW and the wider market</u>)
Business Energy Challenge	An awards programme for businesses to demonstrate leadership which provides the GLA with energy demand data from workplaces. Taken together, 2014 award winners reduced their CO₂ emissions by over 80,000 tonnes in 2013/14 compared to 2010/11

The London Energy Plan will be the first spatial mapping of London's energy demand, supply and infrastructure out to 2050



The Plan will seek to identify the most cost-effective heat and electricity infrastructure to accommodate London's growing population while ensuring London's energy supply is low carbon, secure and affordable