

South East Renewable Energy Conference

12 December 2003

Green light to clean power

The Mayor's Draft Energy Strategy

&

London Renewables

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Aim of presentation

- **Overview of the London policy context**
 - The Mayor's Draft Energy Strategy
 - What the Mayor wants in London on energy and specifically renewable energy
 - How this will be delivered
- **Overview of London Renewables**
 - Research on public and stakeholder attitudes
 - London Renewables onward programme

Timetable

21 January 2003

Launch & public consultation

22 April 2003

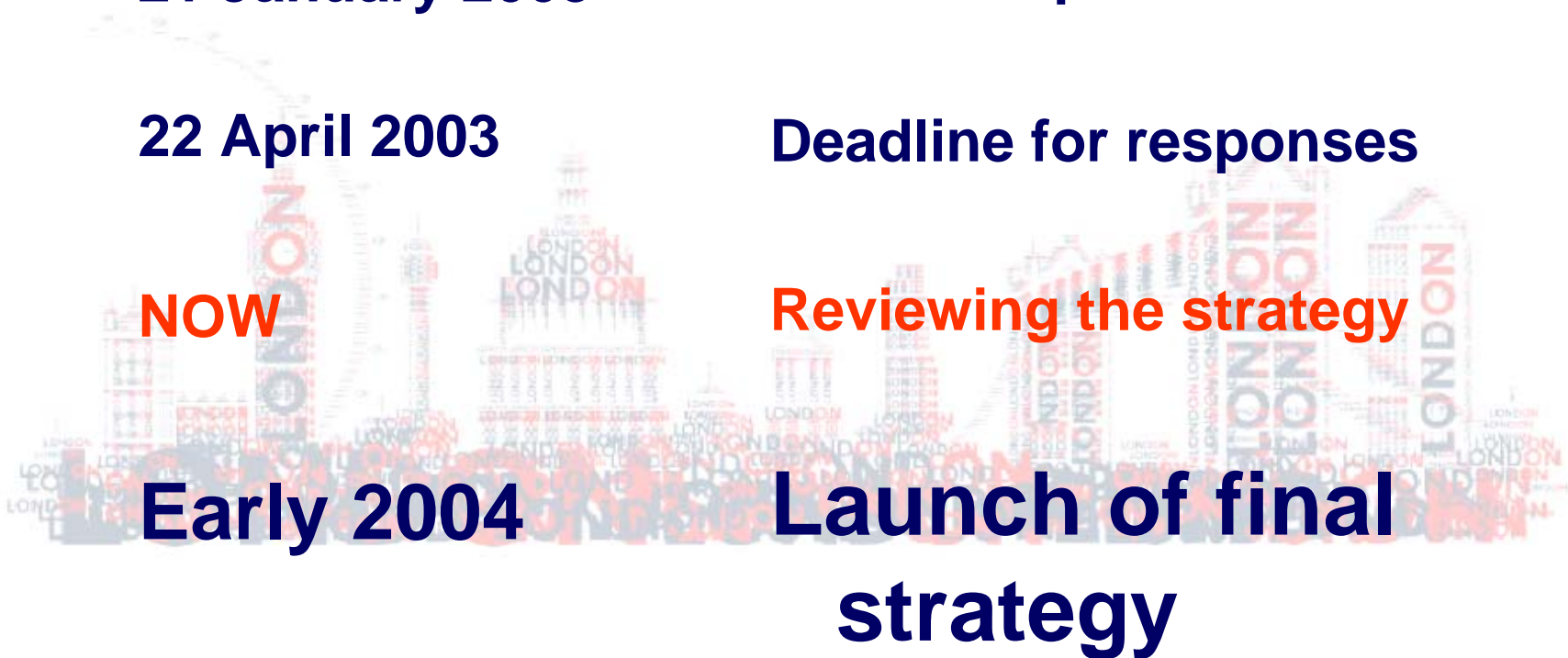
Deadline for responses

NOW

Reviewing the strategy

Early 2004

**Launch of final
strategy**



The Mayor's vision and energy objectives

- To develop London as an exemplary sustainable world class city
 - minimise impact of London's energy use on health, the local and global environment
 - reduce London's contribution to climate change
 - help eradicate fuel poverty
 - contribute to London's economy



The strategic framework for action

- Climate change
- Energy services
- Energy efficiency in homes and fuel poverty
- Energy efficiency in commercial and public sector buildings
- Renewable energy
- CHP and community heating
- Hydrogen
- Transport
- Nuclear



How will this be delivered?

Using three principal approaches:

- **The Mayor setting targets for London**
- **The Mayor using his own powers**
 - **Through strategic planning**
 - **Working with business through the LDA**
 - **Strategic transport improvement**
 - **GLA group leading by example**
- **The Mayor and London working partnership**



Key areas of action – targets

Climate change

- A target to reduce CO₂ emissions by 20% by 2010

Renewable energy

- A target to install at least:
 - 10,000 domestic photovoltaics
 - 100 commercial and public photovoltaic applications
 - 6 large wind turbines, 500 small wind turbines
 - 25,000 solar water heating schemes
- Target for use and generation of renewable energy

Combined heat and power

- A target to at least double 2000's CHP capacity by

Delivery through the planning system

- **Mayor expects applications referable to him to include wherever feasible:**
 - an energy use assessment and demonstrate steps taken to apply the energy hierarchy
 - **CHP and community heating**
 - **passive solar design and natural ventilation**
 - **renewables to generate at least 10% of site's energy needs**
- **Mayor expects boroughs to do the same**



Implementing the strategy – other initiatives

- **London Energy Partnership**
 - Being established by the Mayor to develop and implement a London Energy Action Plan
- **London Hydrogen Partnership**
 - Established by the Mayor, April 2002, currently identifying projects
- **London energy and carbon dioxide emissions inventory**
 - Published and available on CD
- **Community Energy Programme**
 - proposal submitted for a Londonwide community heating development study
- **EC Concerto programme**
 - A couple of bids expected for London, including one at Stratford development commissioned by the London Development Agency

Major projects – Energy Action Areas

- Showcase low-carbon communities, demonstrating a range of sustainable energy technologies and techniques across a number of applications



Working together - London Renewables

- **Group of London based organisations including:**
 - Association of London Government, CEN
 - EDF Energy, Government Office for London
 - Greater London Authority, Imperial College
 - London Development Agency,
 - London Environment Coordinators Forum
 - London First, London Sustainability Exchange
- **DTI funded (as well as**
- **Relationship with London Energy Partnership**

**LONDON
RENEWABLES**

Research on public and stakeholder attitudes

- Research exploring the demand side for renewables in London
 - To gauge public and stakeholder attitudes
 - To feed into consultation on the strategy: renewable energy targets for London
 - To identify what support is needed by stakeholders to implement renewables in London
- Involved public focus groups & survey of 500+ individual stakeholder survey and sector seminars



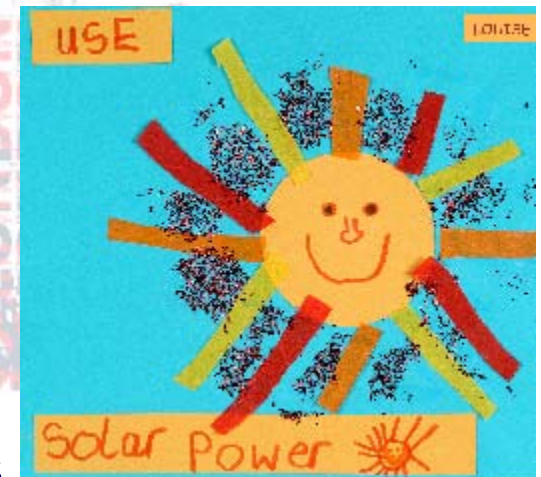
Research results: attitudes

- **Public**

- 76% would approve of solar panels in their local area (6% disapprove)
- 58% would approve of wind (17% disapprove)
- Low awareness of incineration of organic waste / combined heat and power

- **Stakeholder**

- 84% consider it important LAs use planning powers to secure renewable energy in new developments
- Key groups: LA planners, housing developers, public sector as occupiers & energy generation/supply companies



Research results: recommended support

- **Evolutionary approach & sustained nurture**
- **Stakeholder specific interventions:**
 - **Planners**
 - **Commercial and residential developers**
 - **Public (renewables ready)**
 - **Public/private sector occupiers**
- **Cross-cutting themes**
 - **Encouraging key decision makers**
 - **Energy efficiency & renewable energy together**

Planning, Private sector in construction, Local government & large scale occupiers

- London wide planning information & training support with technical details & examples including:
 - SPG on sustainable design and construction
 - SPG on renewable energy
- Tailored information on funding & 'mainstream' case studies to developers
- Communicate with Borough decision makers on Borough targets and actions
- Influence senior decision makers in the private sector



In summary...

- **Energy critical to operation of capital and many of Mayor's policies**
- **Mayor sets targets for action**
- **Delivery through Mayor's powers**
 - **Planning, economic development, transport**
- **Delivery through working together**
 - **Energy Action Areas, London Energy Partnership, London Hydrogen Partnership, London Renewables**
- **Stakeholder specific activities**
 - **Planning, developers, public and private sector as occupiers and as influencers, the public.**

For more information...

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