



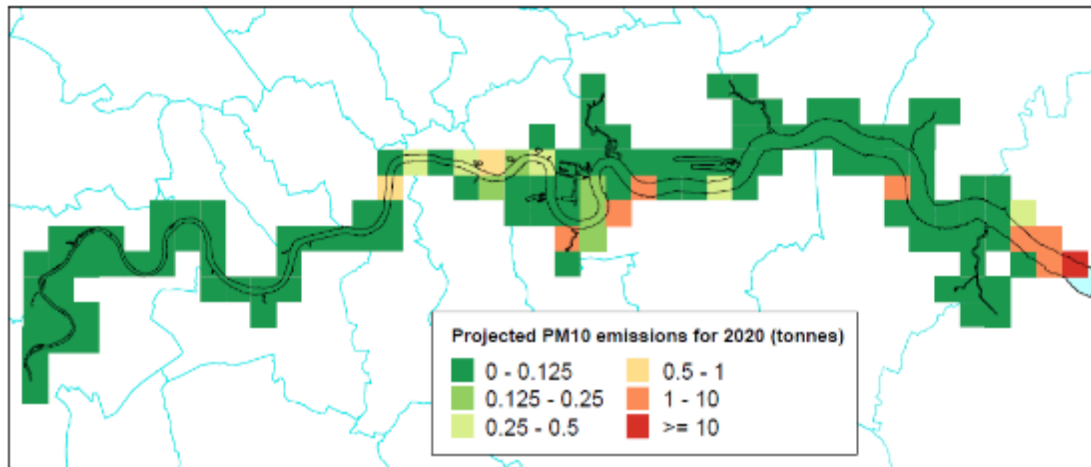
**Priority Action 5:  
New & Green Technologies**

Tanya Ferry

Environment Manager

# Priority Action 5: New & Green Technologies

*Encourage uptake of new and green technologies to reduce the port's environmental impact*

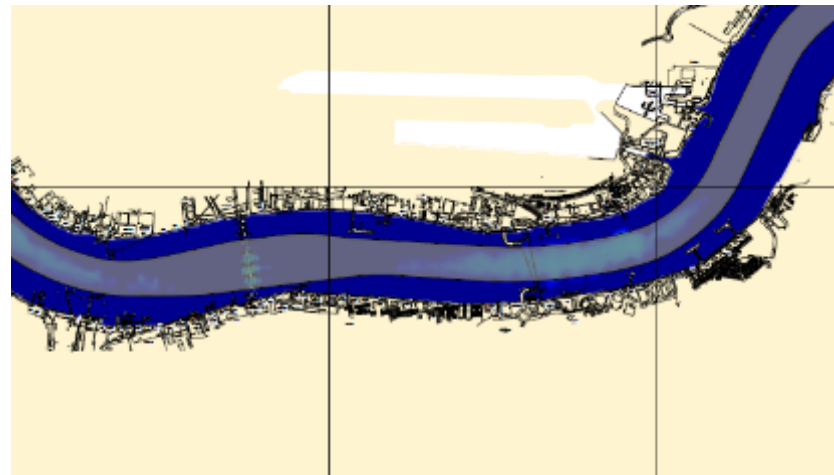
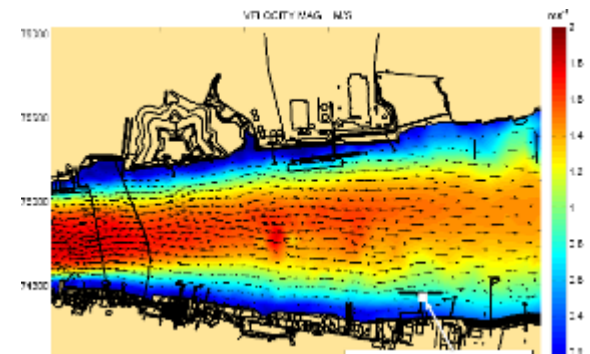


GREATER  
LONDON  
AUTHORITY



# Encouraging Uptake- Tidal Energy

- Thames potential for tidal energy
- Modeled potential for micro-tidal
- Only short periods available
- Results available for developers



# Alternative power

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- Use of solar panels & wind turbines on development
- Evaluation of the potential for the Thames to facilitate other technologies like river heat.
- Maintain environmental protection & port operations
- Minimising impacts to wildlife and port development



# Green Tariff

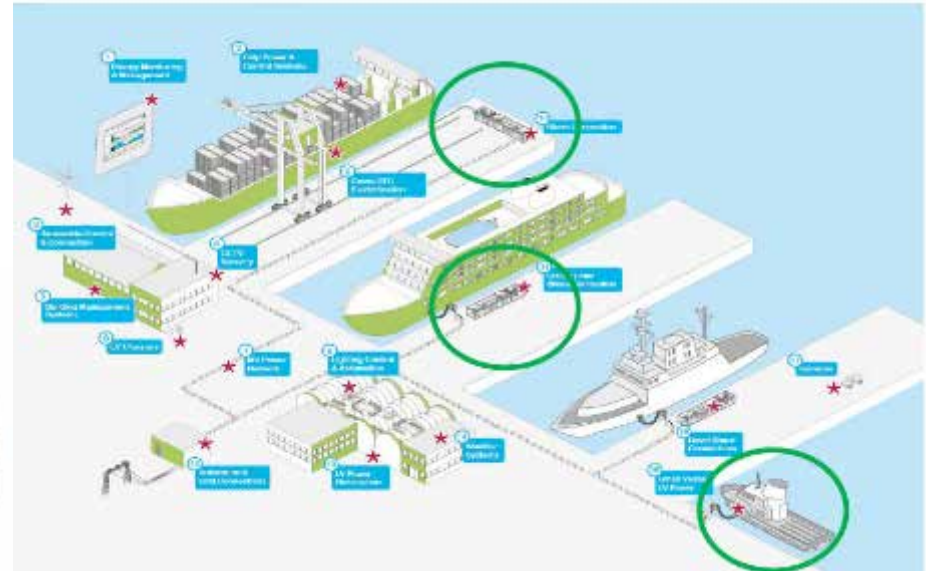
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- Incentive discount for ships
  - Score over and above legal requirement
- Implemented in 2017
- Supported by the shipping industry



# Air Quality Strategy

- Baseline inventory – what are we working to reduce
- New technology—electric/hybrid
- Feasibility of retrofitting
- Plug in at PLA sites





**Thank You**



## **New and Green Technologies**

David Fallows

Mechanical & Electrical Engineer



# New and Green Technologies

- How new is new?
- Solar powered Buoys 1990's
- Solar & Wind Turbine Powered Lighthouses 1990's
- LED Navigation Lights 1990's



# New and Green Technologies

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Old



New



# New and Green Technologies

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# New and Green Technologies

- Solar thermal water heating system
- High efficiency fluorescent lighting
- Occupancy Sensing lighting controls
- Daylight linked lighting controls



# New and Green Technologies

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- Solar power generation
- LED floodlighting
- Rain water recovery for toilet flushing
- Solar & Wind powered navigation lighting
- LED navigation lighting
- Hybrid vehicles



# New and Green Technologies





**Thank You**