

Introduction

Setting the context

At Transport for London (TfL) we play an important role in supporting the Capital's economy and quality of life. We run a large operation; our services accommodate 30 million journey stages every day. We provide vital transport services and promote sustainable options that keep our city moving. In doing this, we have a responsibility to manage the environmental impacts of our activities.

London's population is increasing, and our services are growing to meet this need – we're delivering new services, greater frequency, more capacity and improved reliability.

There are challenges to be met in terms of rising costs, legal pressures and also opportunities to use good practice, innovation and smart technology.

However, we start from a good position – our environmental performance has some world class examples of good practice and we have already met some of our previous targets.

Environmental issues present us with both opportunities and challenges. Some enable us to manage costs more effectively through, for instance, reducing energy and water use. We are also improving the potential of habitats that are around our networks, so contributing to London's quality of life. Some of the challenges relate to changes in legislation, public health issues, provision of stable energy supply and planning for the impacts of extreme weather on service delivery.

This framework describes our vision and ambition for environmental performance over the longer term. It clarifies our priorities and explains how they will be delivered in a way that meets stakeholders' needs. The important environmental areas for us are set out along with objectives and targets. They illustrate why these issues are important, what we want to achieve, how they will be achieved and how we will measure progress.

The framework covers the environmental impacts of our directly managed activities and operations, for example, delivery and operation of transport services, projects, maintenance and office functions. It also describes measures that will help us to deliver, and where possible improve, environmental legal compliance and meet other needs, for example, national requirements.

One of the principal aims of this framework is to show the contribution that our directly managed activities can make towards achieving the Mayor's environmental goals. Other elements of the Mayor's environmental aims that affect private transport across the city, are covered by other work we do, such as encouraging a reduction in emissions from vehicles in London.

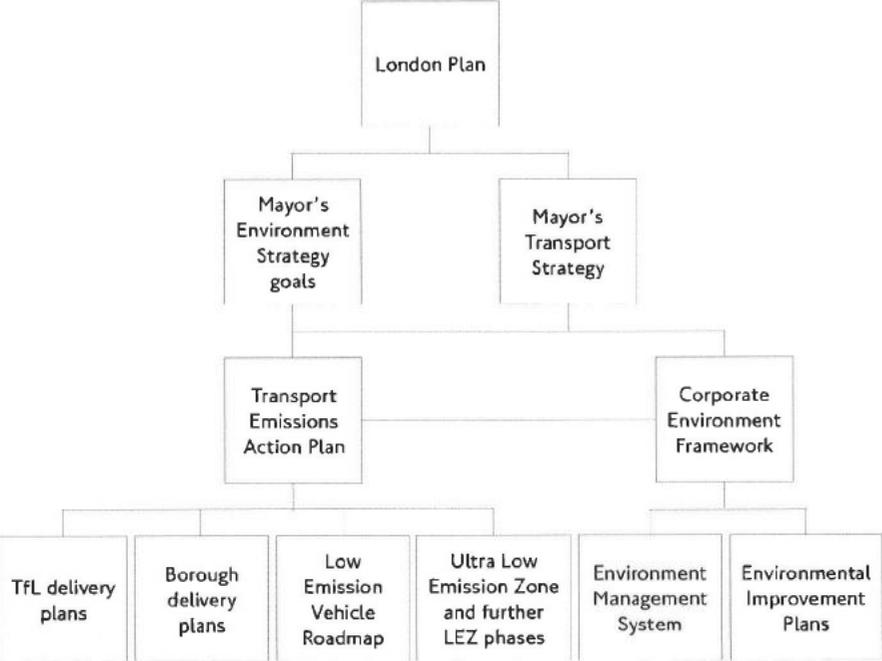
It is designed to support our Business Plan and the Mayor's transport and environmental strategies. It is not intended to change existing priorities, but is focused on maximising the benefit of current and future plans.

Contents

- 1 Introduction - setting the context
- 2 Linking the framework to our goals
- 3 Managing environmental impacts, current and future performance
 - Carbon, energy and climate resilience
 - Air quality
 - Noise
 - Materials and resources management
 - Pollution prevention
 - The built environment
 - The natural environment

About us

The figure below shows how this framework fits into a programme of work that we are doing to help achieve Mayoral environmental strategies and policy.



We are the integrated transport authority for the Capital and part of the Greater London Authority (GLA). We deliver the Mayor's Transport Strategy in partnership with London's boroughs and other transport providers, such as Network Rail and the train operating companies.

We comprise the following business areas:

- London Underground (LU) – operates London's Tube network, which sees more than 3.5 million passenger journeys a day. LU has 11 lines covering 402km and serving 270 stations. During peak hours, more than 500 trains operate
- Surface Transport – provides and manages a broad range of sustainable transport services and choices, including buses, cycling and walking. Bus passenger kilometres reached 8.2 billion in 2012/13. There were also 500,000 cycling journeys and six million walking trips taking place each day. We also carry 30 per cent of the Capital's road traffic on the Transport for London Road Network (TLRN)
- London Rail – responsible for Tramlink, the Docklands Light Railway (DLR), London Overground, Emirates Air Line and the development of Crossrail

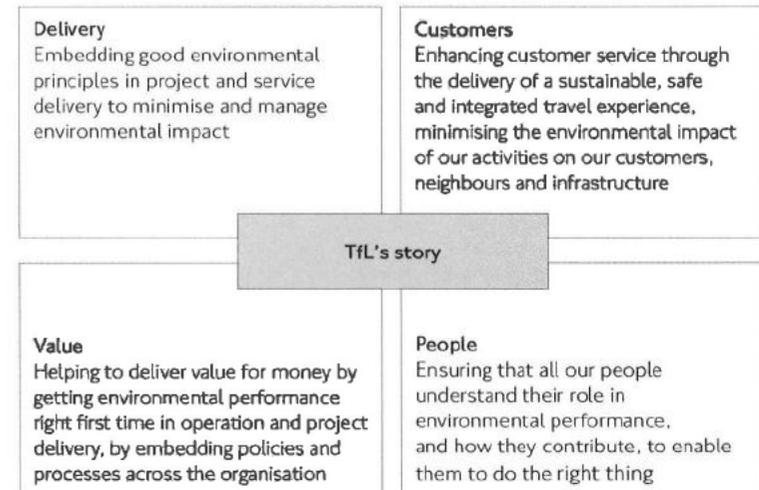


Linking the framework to our goals

This framework shows how delivery of a sound environmental performance within our directly managed operations can help to achieve our Mayoral goals and our business goals.



Our goal is to keep London working and growing and make life in London better. When decisions are taken within our organisation we consider our customers and users, our people, our delivery and value for money. This framework helps to deliver in each of these four areas, as shown below:



External influences that provide the context for this framework

We have set this framework in the context of potential influences or drivers that are likely to continue, increase or begin over the longer term:

- There will be more than 10 million people in London by the 2030s and we are committed to delivering a sustainable, effective system, both now and in the future
- We will continue our investment to provide a growing transport system to meet the predicted population rise in London. This will include new infrastructure and services, increased frequency, improved systems and new technologies
- We will continue to develop and deliver world-class services and policies that encourage people to choose more sustainable modes of transport
- We will continue to use world-leading technologies, including customer information systems
- There will be an increased emphasis on the importance of living and working in healthy environments. We will continually focus on improving London's air quality and reducing transport-related air pollution emissions
- Energy costs are likely to rise owing to the increasing uncertainty of fuel sources, volatility of world markets and the Government's energy market

reform. There will be a growing focus on the need to achieve energy efficiency and security of energy supply

- There will be a need to reduce transport-related carbon emissions to help tackle climate change and to meet the targets set out in national plans and the Mayor of London's statutory strategies
- We must prepare for future extreme weather and the changing climate, for example warmer, wetter winters; hotter, drier summers; and more frequent storm events and the associated likelihood of an increase in pests and diseases
- There will be an increased focus on delivering resilience to water shortages, reducing the overall use of water and water-related costs, and using more non-potable water where this is more suitable
- The cost of waste management will rise while the availability of landfill is decreasing. There will be a corresponding move from 'generating waste' to reusing and recycling materials because they a valuable resource
- There is likely to be an increased value placed on the provision of natural environments in urban settings, including using green walls and roofs
- There will also be a higher value placed on having a well-structured, cohesive urban realm

Essential principles

Underlying and supporting the strategic areas, objectives and targets set out in this framework are a set of common good practice environmental management principles. These are, and will continue to be, vital to ensuring their delivery:

- We consider the environment an issue that is integral to our business delivery, from inception to completion and operation of our capital projects and programmes
- We prevent and design out potential causes of negative environmental impacts in the early stages of our work
- We set and regularly review environmental targets and report publicly on how we are doing
- We deliver good environmental performance, both in-house and through our suppliers
- We identify and use good practice and innovation when designing, procuring, operating and maintaining transport infrastructure, vehicles and rolling stock
- We exceed, where possible, relevant environmental legislation to ensure that all our operations comply with legislation and encourage good practice
- We apply responsible environmental management techniques

- We will continue to implement and develop our environmental staff engagement programme

How we deliver environmental performance

We operate a well developed Health, Safety and Environmental Management System (HSEMS) to ensure that our environmental impacts and performance are well managed. The HSEMS is regularly reviewed to take into account changes in business activities, responsibilities and legislation.

At the heart of the HSEMS are the health, safety and environment (HSE) policies, supported by a number of standards and procedures, that set requirements for our activities. The HSE policies call for us to comply both with the spirit and the letter of environmental legislation and to improve our environmental management and performance.

We also manage the environmental performance of our projects and programmes through procurement and project management processes.

Our businesses and many of our contractors produce annual Environmental Improvement Programmes, which set objectives, priorities and targets for the year ahead. We will continue to deliver some of our environmental performance in partnership with our supply chain, setting specifications, franchise and contract requirements that are closely aligned to our goals and targets.



London Tramlink

We monitor and report on our environmental performance regularly – periodically to internal business units, quarterly to our Safety and Sustainability Panel and annually to the public, through our Health, Safety and Environment Report. This includes information on our environmental performance and that of our main suppliers.

Why have we developed this framework?

It is important for us to set out how we will deliver our plans while maintaining the

best environmental performance possible. While our Business Plan and funding is set out for the next decade, having this vision for environmental performance helps us to identify where further effort and support will be needed.

Our environmental performance is good. However, using the underlying principles set out previously, we are committed to improving it further, especially as we are delivering more infrastructure and services.

There are strategic environmental areas that are important to us and our stakeholders. For each one, this framework sets out updated objectives and targets to illustrate why these issues are important, what we want to achieve, how they will be achieved and how we will measure progress.

Our key strategic areas are:

Air quality

Reducing polluting emissions and exposure to air pollution in London

Carbon, energy and climate resilience

Reducing carbon emissions and preparing for the potential impacts of climate change and extreme weather

Resource management

Using resources (including water) wisely and minimising waste

Noise

Managing and controlling transport-related noise and vibration

Natural environment

Respecting, protecting and enhancing the natural environment and its contribution to the quality of life

Pollution prevention

Proactively managing our activities to minimise and control pollution

Built environment

Respecting, protecting and improving the built

environment and enhancing the quality of the travel experience

We have developed five-year delivery plans that support each of the strategic goals. Highlights are summarised in the following sections.