Moscow Government

The Moscow Department for Transport and Road Infrastructure

Transport for Moscow. Green mobility.

September, 2013.
The main goal to improve the environmental situation will be achieved through the three main areas:

1. Reducing car usage
   The share of private vehicles for travel to the center of the city at the morning rush hour (8:00-9:00) %

2. Public transport popularization. The service level improvement.
   Capacity
   Thousands of passengers at the rush hour
   - 870
   - 1,230
   +41%
   Travel time at the morning rush hour (8:00-9:00) by public transport
   - 67
   - 50
   -25%

3. Improvement of Moscow transport environmental standards
   New environmental standards
   The development of bicycle and pedestrian lanes

SOURCE: The Moscow Department for Transport and Road Infrastructure
According to the plan the flow of cars in the city center will be reduced by 230,000 by 2016.

Pilot project (2012)
The first phase (2013)
The second phase (2014)
The third phase (2015)

Parking fee effects

- Increase in parking space availability
- Travel time decrease
- Public transport attractiveness increase
- Pedestrian availability increase

SOURCE: The Moscow Department for Transport and Road Infrastructure
Targeted reduction of flow is achieved through the elimination of illegal parking spaces and introduction of the parking fee.

Reducing the flow to the center of the city, thousands.

1-st phase: reducing parking space in the center of the city, thousands

1-st phase: reducing parking space outside the city center, thousands

Total reduction

SOURCE: The Moscow Department for Transport and Road Infrastructure
The pilot project proved the effectiveness of measures for the introduction of paid parking space in the center of Moscow:

<table>
<thead>
<tr>
<th>Index</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed</td>
<td>6-8% speed increase within the project area</td>
</tr>
<tr>
<td>Violations</td>
<td>65% decrease of stopping down and parking rules violations</td>
</tr>
<tr>
<td>Turnover</td>
<td>200% parking places turnover increase (60% decrease of the average parking time per car)</td>
</tr>
</tbody>
</table>

1 Data for the period from 01.11.2012 to 31.05.2013
SOURCE: The Moscow Department for Transport and Road Infrastructure
The development of the surface transport system will improve the environmental situation

<table>
<thead>
<tr>
<th>Action</th>
<th>2020 results</th>
<th>Environmental effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transition to the use of gas-powered buses</td>
<td>More than 50% of buses are transferred to gas</td>
<td>Emissions reduce</td>
</tr>
<tr>
<td>The route network optimization</td>
<td>Schedule reduction, stimulation of public transportation</td>
<td>Reducing the number of vehicles on city roadways</td>
</tr>
<tr>
<td>Dedicated lanes commissioning</td>
<td>Bus speed increase, stimulation of public transportation</td>
<td>Reducing the number of vehicles on city roadways</td>
</tr>
<tr>
<td>New ticket system (unified ticket, plastic cards)</td>
<td>Stimulation of public transportation, less ticket blanks</td>
<td>Reducing the number of vehicles on city roadways, saves paper</td>
</tr>
</tbody>
</table>

SOURCE: The Moscow Department for Transport and Road Infrastructure
The Moscow government approved the development of a large-scale rail transport system in order to increase the comfort of public transport.

**Subway development**

In 2020:
- +150 km. of lines (471 km. total)
- 76 stations (252 total)
- 11% more population is insured with subway (93% total)
- 2,5 thousands of new generation cars
- Wi-Fi
- Updated navigation system in public transport

**Suburban railway transport development**

In 2020:
- 240 km. of additional main lines
- Schedule: 3-5 minutes
- 70% of the rolling stock is new
- Platforms reconstruction
- Intercept parking facilities near stations

**Transport hubs development**

By 2020:
- 161 hub buildings
- 94 plane hubs
- 14 bus terminals
- 9 reconstructed train stations

SOURCE: The Moscow Department for Transport and Road Infrastructure
The Moscow government imposed entry restrictions on trucks to Moscow in order to increase the speed and improve the ecological situation.

Since 01.05.2013 Moscow government imposed restrictions on truck traffic on Ring Road

<table>
<thead>
<tr>
<th>Max. permitted payload</th>
<th>Min. permitted payload</th>
<th>Environmental class</th>
</tr>
</thead>
<tbody>
<tr>
<td>All trucks weighing more than 12 tons</td>
<td>Round the clock all the trucks below Euro-2 (in the long term - Euro 3)</td>
<td>Round the clock all the trucks below Euro-2</td>
</tr>
</tbody>
</table>

**Main restrictions**

- 6:00-22:00
- All trucks weighing more than 12 tons
- Round the clock all the trucks below Euro-2 (in the long term - Euro 3)

**On weekends and holidays in summer**

- 6:00-24:00
- All trucks more than 12 tons
- Round the clock all the trucks below Euro-2

**Main restrictions**

- Putting up signs and complexes of photo and video fixation for the effective administration of restrictions
- A large-scale information campaign has been implemented

**On weekends and holidays in summer**

- Permit obtaining procedures have been simplified
- The possibility of granting permits to service the needs of regions has been created

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1 — Traffic during the day is allowed if the driver has a permit

SOURCE: The Moscow Department for Transport and Road Infrastructure
Bicycle infrastructure development

- More than 10,000 parking places for bicycles (575 bicycles parking in streets, 470 – near important objects)
- Public bike rental, 100 stations, 1000 bicycles (500 stations and more than 5000 bikes in 2014)
- Construction of bicycle lanes
- Promotion of bicycles

SOURCE: The Moscow Department for Transport and Road Infrastructure
Public bike rental

- 100 rental stations and 1000 bikes in the city
- 30 minutes - free, 1 hour - 30 rubles
- The station is powered by solar panels
- Built-in LED lights with motion sensors and trunk for bags

The expansion of the network to 500 bike rental stations and 5,000 bicycles by 2014

SOURCE: The Moscow Department for Transport and Road Infrastructure
By 2013, it is planned to arrange 24 walking routes all over Moscow with a total length of 28 km.

New pedestrian spaces

Reconstruction of streets with a traffic ban in the city center allows:
- Creating favorable and eco-friendly environment for citizens
- Decreasing a parking space in the center of the city
- Increasing city’s tourist attraction characteristics

SOURCE: The Moscow Department for Transport and Road Infrastructure
By 2013, it is planned to arrange 24 walking routes all over Moscow with a total length of 28 km

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