SUSTAINABLE TRANSPORT OF ALMATY CITY
UNDP-GEF project

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Situation analysis

• Kazakhstan is the largest GHG emitter in Central Asia with annual emissions of 243 MtCO2e.
• The transport sector is its fastest growing source of CO2 emissions projected to increase from 9 MtCO2/yr in 2008 up to 22 MtCO2/yr in 2012 and 36 MtCO2/yr in 2020. (Data for 2005, source 2nd National Communication of the Republic of Kazakhstan to the Conference of Parties of UNFCCC)
• In Almaty, there are currently more than 500,000 vehicles registered. According to local authorities, there is an average of another 200,000 vehicles that enter the city from outlying Almaty Oblasts during working hours.

Average Age of Vehicles

Growing number of private cars
Old vehicles
Poor fuel quality

Project background

• The objective is to reduce the growth of the transport-related GHG emissions in the City of Almaty, while simultaneously improving urban environmental conditions
• Period: 2011-2016
• Implementing partner: City Akimat

Total allocated resources:

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
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<tbody>
<tr>
<td>GEF</td>
<td>$ 4,886,000</td>
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<td>EBRD</td>
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<td>Almaty City Admin</td>
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$ 81,412,000
**Outcome 1: Improved management of public transport and air quality management**

- Output 1.1: Streamlined institutional arrangements for developing and regulating urban transport services, and monitoring transport-related GHG emissions and other air pollutants for Almaty
- Output 1.2: Strengthened public services contracts used to issue licenses for public transit routes
- Output 1.3: M&E system for tracking performance of licensed private operators and state enterprises
- Output 1.4: Study of the true costs and benefits and expected subsidies to sustain public transport quality
- Output 1.5: Monitoring system for tracking GHG emission and transport-related air pollutants

**Outcome 2: Improved efficiency and quality of public transport in Almaty City**

- Output 2.1: Transport-demand model and strategic master plan for developing sustainable urban transport (SUT) in Almaty
- Output 2.2: Bankable feasibility studies for improved public transport in Almaty City
- Output 2.3: Program for bus fleet modernization

**Outcome 2: what to achieve**

This outcome deals with holistic planning of transport fleet modernization, the optimal use of the transport assets, designs that will enhance ridership and minimizing “leakage” through the removal of fuel inefficient buses out of service.

- A detailed analysis of the bus sector and existing regulatory framework is prepared;
- Municipality has prepared a public transport development strategy with solid justification of the proposed urban transport regulatory reform;
- Public transport improvements are holistically planned and coordinated through a new regulatory authority that will include the proposed LRT and trolley bus routes with BRT and feeder routes to enhance ridership of the public transport;
- Changes are proposed in urban land use around transfer points in new sustainable transport system;
- The Municipality has adopted plans to modernize existing transit rolling stock through a bus exchange program;
- The Municipality has adopted plans to sustain quality public transit service through staff training on maintenance and operation of public transit company assets;

**Outcome 3: Integrated traffic management measures in Almaty City**

- Output 3.1: Plans and implementation program for parking schemes in Almaty
- Output 3.2: Feasibility plans for integrated traffic management and retail economic stimulus areas.
Outcome 4: Demonstration and raising awareness of SUT

- Output 4.1: Implementation and engineering plans for a demonstration project on SUT (improved public transport services and integrated traffic management)

- Output 4.2: Technical assistance for construction of the SUT system

- Output 4.3: Technical assistance for operation and maintenance of the SUT demonstration

- Output 4.4: An urban transport information center and website

- Output 4.5: Workshops and paper that document the performance of the demonstration projects at reducing transport-related GHG emissions

- Output 4.6: Replication plans for sustainable transport in Almaty

Thank you for your attention!

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