



CITY-LED CLIMATE ACTION OF MOSCOW



The Government
of Moscow



Department
for External Economic
and International Relations
of Moscow

Environmental monitoring

56 automatic air pollution **monitoring stations**

analyzing >20 pollutants

Over the past **10 years**:

Pollutant emissions ↓ 60% Air pollution ↓ by half

2013-2020:

Greenhouse gas
emissions ↓ 18%

Emissions from:

- Stationary facilities ↓ 17%
- Road transport ↓ 3x



Greenhouse gas reduction sectors

- Heat and power complex, energy efficiency
 - Transport
 - “Green fund”
- & others





Transport system - Public Transport

- 90% of citizens live near metro stations
- World's **longest** metro circle line
- Overground metro to nearby cities
- 60k electric scooters & >10k bicycles
- >30k carsharing vehicles
- Year-round electric **river** transport



Transport system

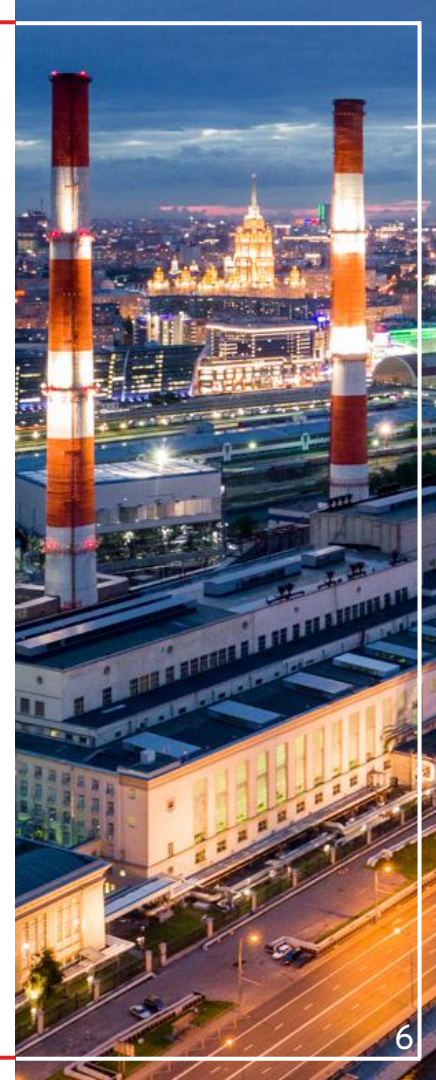
- >1,200 electric buses on 90 routes - largest electric buses fleet in Europe
- >340m passengers over 5 years

	Carbon emissions	Pollutant emissions
1 electric bus	↓ 60 tons/year	↓ 172-233 kg/year
2022 in total	↓ 36,000 tons	↓ 280 tons

- >1.2k km of roads built since 2011
- Intelligent Transport system - traffic regulation

Energy

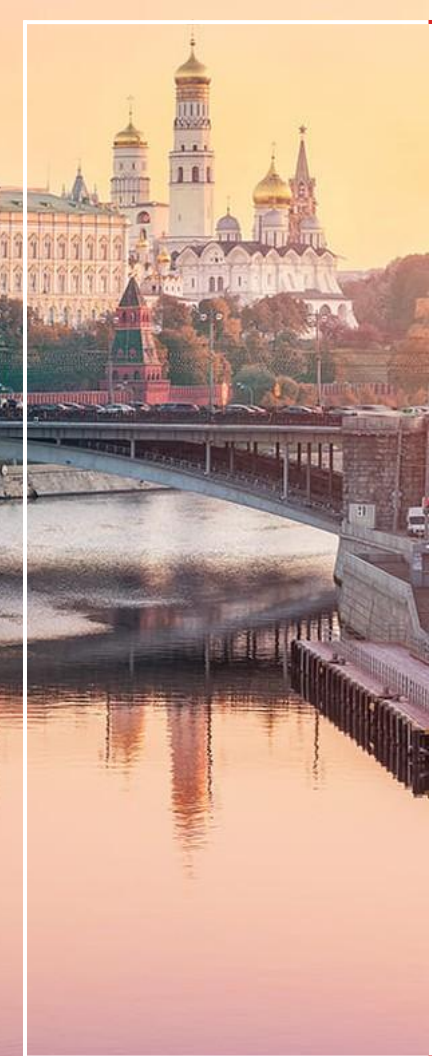
- ~ 100% of energy produced at thermal power plants powered by **natural gas**
- Emissions reduced by 22% over 10 years
- Efficient combined-cycle plants - electricity generation efficiency
- Oil refinery modernization



Construction

- **Renovation** program: new houses constructed with energy efficiency requirements
- Energy-efficient facades
- Greener construction: 70m m² of new real estate built over 10 years, but **no increase** in fuel burnt for heat & electricity generation





Separate waste collection

- >60,000 containers for recyclables
- Collection rate of recyclables tripled over 3 years
- 2022: record volume of 1.5m tons collected

Rational water use

- High-quality, clean and available drinking water
- **Awareness** in consumption increase through Moscow's online portal mos.ru



Green spaces

- ~ Half of Moscow's surface is green spaces:
 - 12-13m trees, 30m bushes
 - >2,130 plant species
 - >3,270 animal species
 - 150 specially protected natural areas
- **“Our Tree”** project:
 - Planting trees in honor of a child's birth



THANK YOU!

Contact us:
dvms@mos.ru
+7 (495) 633-68-66



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