In Pursuit of Net-zero CO_2 Emissions

Creating the Future Standard

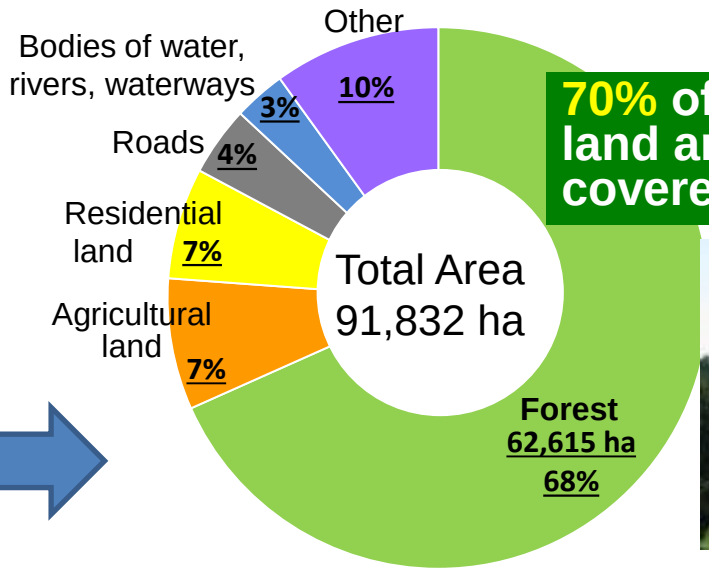
SDGs
未来都市
とよた

SDGs and Toyota –
the City of the Future

Toyota City

Introducing Toyota City

Toyota City merged with 6 towns and villages in 2005



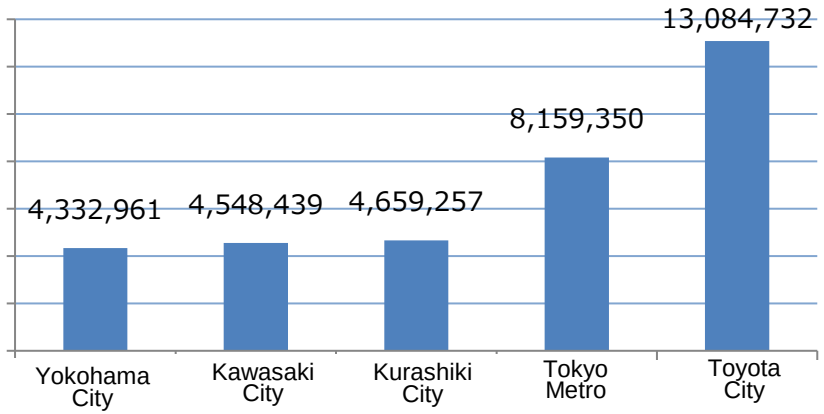
70% of the city's land area is covered by forest

A city famous for manufacturing

Toyota Motor Corporation

One of Japan's largest industrial cities

■ **Value of manufactured goods shipments (2014, unit: millions of yen)**



The SDGs and Toyota City - the City of the Future

Our Vision for 2030:
Toyota City – Connect and achieve a fun city to live in, Toyota

Concept:
A future-focused Smart City that connects everyone and everything

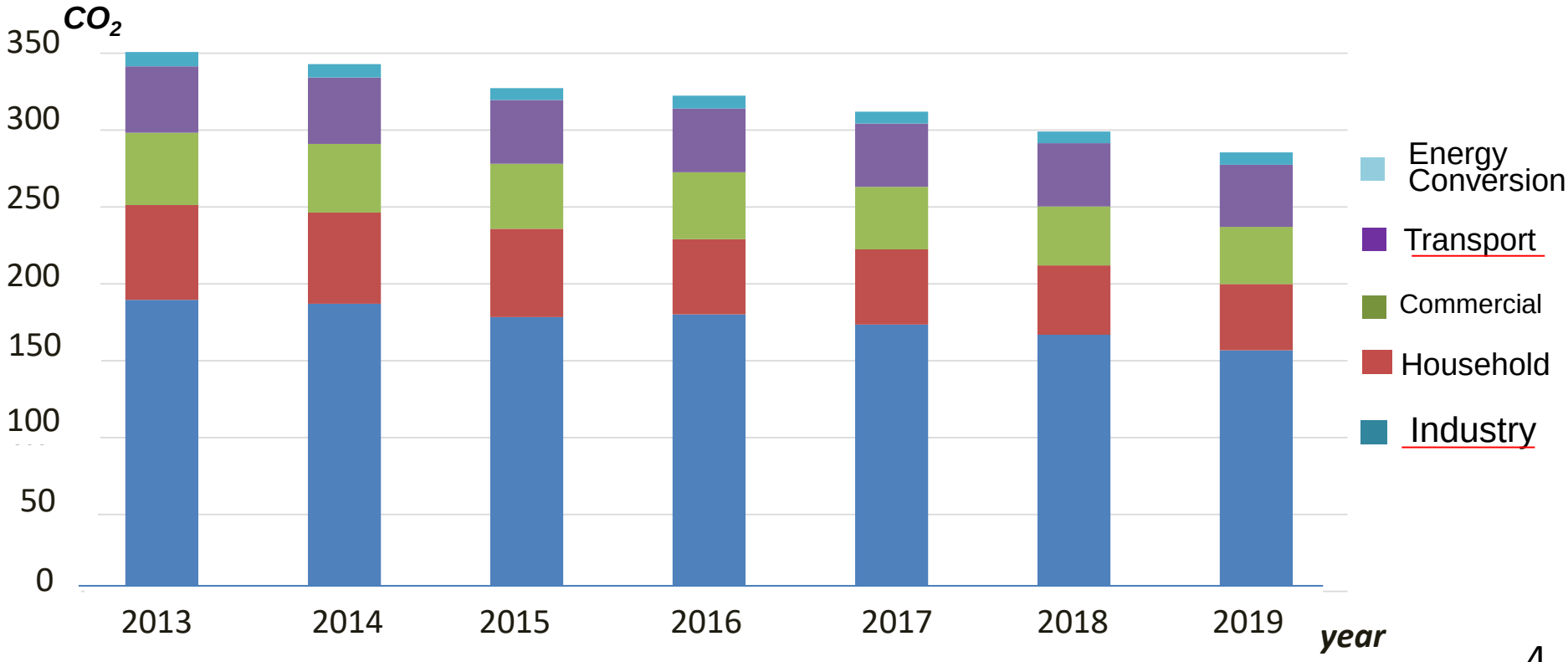
We are utilizing the urban and rural elements of our city to implement integrated initiatives to benefit the environment, society, and the economy.

Our 3 priority areas:

- **Energy**
- **Mobility**
- **Wellness**

Toyota City's CO_2 Emissions – FY2013 - FY2017

	2013	2014	2015	2016	2017	2018	2019
Emissions: 10,000 tons of CO_2	336.72	328.24	312.66	307.43	296.85	283.95	270.13
Year-on-year		△2.6%	△5.0%	△1.7%	△3.6%	△4.5%	△5.1%



2050 In Pursuit of Net-zero CO_2 Emissions

1 Acceleration of the Environmental Model City Initiative

2 Future Enhanced Cooperation between Private Enterprise and Citizenry

3 Taking the Lead in Introducing New Technology

1 Acceleration of the Environmental Model City Initiative

Promotion of ZEH
(net Zero Energy House)

Promotion of next-generation automobiles

Restore the health of planted forests

Promotion of "Smart towns"

Promotion of renewable energy facilities

2 Further Enhancement of Cooperation between Private Enterprise and Citizenry

Connected Society Verification Promotion Council

83 organizations
(as of September 30, 2021)

Involving citizens and private enterprise

Behavior modification・Implementation

Oiden・Sanson Center

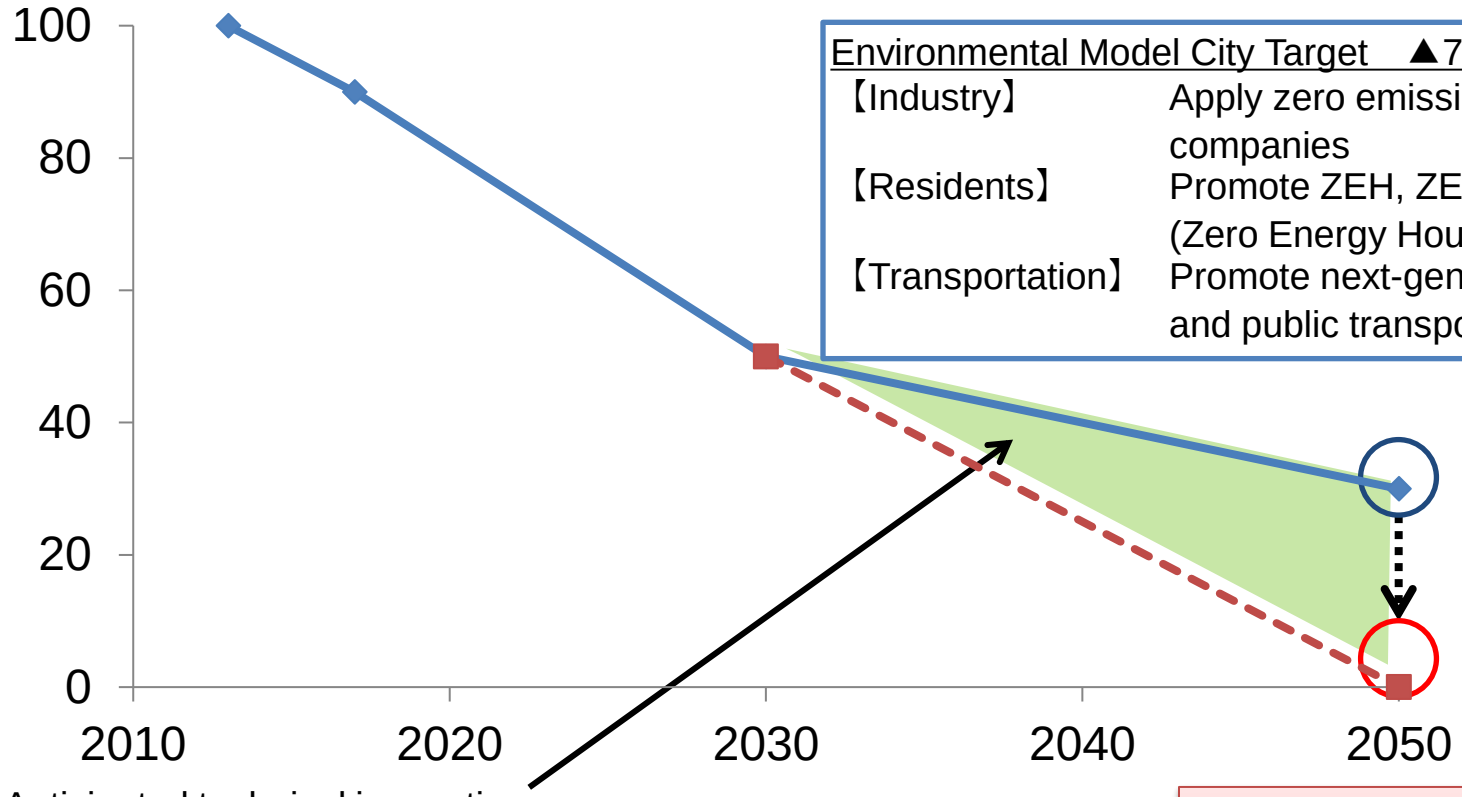
SDG partners

338 organizations
(as of September 30, 2021)

3 Taking the Lead in Introducing New Technology

Dramatic technical innovation

Towards Realization of Net-zero CO_2 Emissions



Environmental Model City Target ▲70%

【Industry】 Apply zero emission initiatives of large companies

【Residents】 Promote ZEH, ZEB (Zero Energy House / Building)

【Transportation】 Promote next-generation automobiles and public transport

Anticipated technical innovations

【Renewable energy】 Higher efficiency, lower price

【Low energy use】 Further improved performance of equipment, materials

【Hydrogen】 Utilize CO_2 free hydrogen

【Fossil fuels】 Move away from dependence

【Absorption】 Establish CO_2 capture・usage・storage technology, artificial photosynthesis technology and others

Accelerated initiatives ▲70%
+
Technical innovation ▲30%
||
Net-zero emissions