

**Voluntary Action Plan on the Environment
(Section on the Establishment of a Sound Material-Cycle Society)
Results of Fiscal 2015 Follow-up Survey
& Planned Policy from Fiscal 2016
[Overview]**

March 15, 2016

Keidanren

I. Results of Fiscal 2015 Follow-up Survey

1. Target for industry as a whole: Reducing the final disposal volume of industrial waste

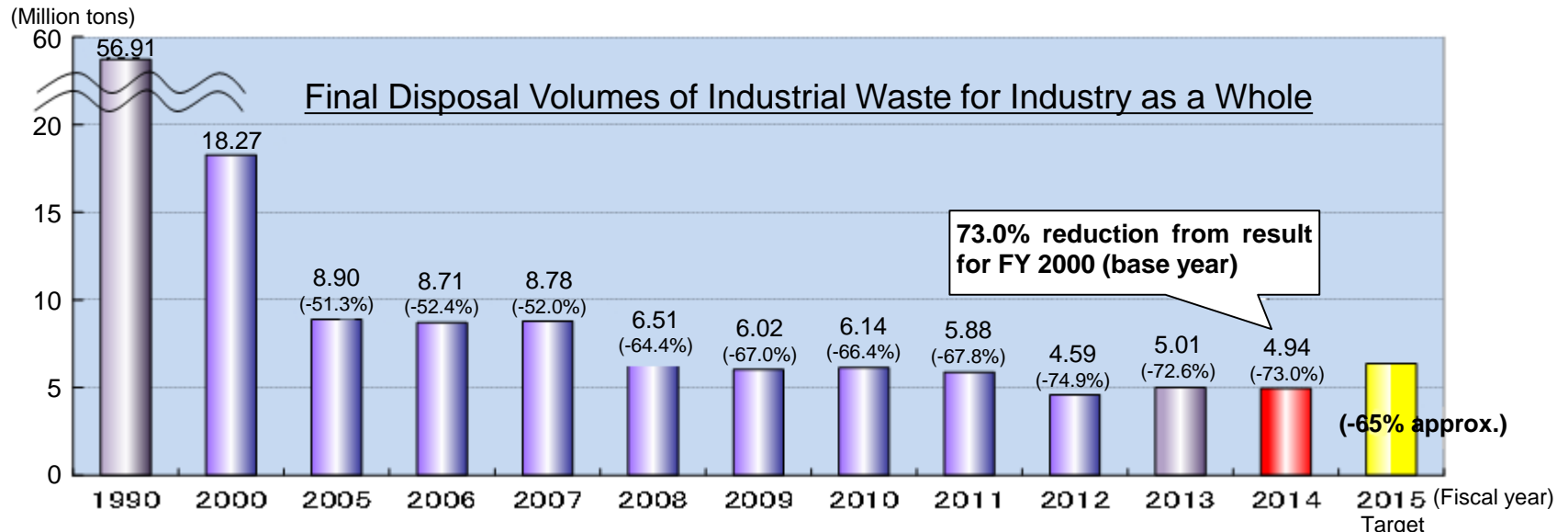
Background

- (1) 1997: Formulated the section on waste disposal measures within the Voluntary Action Plan on the Environment (with participation by 35 industries)
- (2) Dec. 1999: Set 1st target of reducing the final disposal volume of industrial waste in fiscal 2010 by 75% from fiscal 1990
- (3) Mar. 2007: Section on waste disposal measures within the Voluntary Action Plan on the Environment renamed as section on the establishment of a sound material-cycle society
Set 2nd target of reducing the final disposal volume of industrial waste in fiscal 2010 by 86% from fiscal 1990
Formulated individual targets by industry (set targets unrelated to final disposal volume)
- (4) Dec. 2010: Set 3rd target of reducing the final disposal volume of industrial waste in fiscal 2015 by approx. 65% from fiscal 2000

Fiscal 2014 result (32 industries)

◆ Approx. 4.94 million tons of industrial waste for final disposal

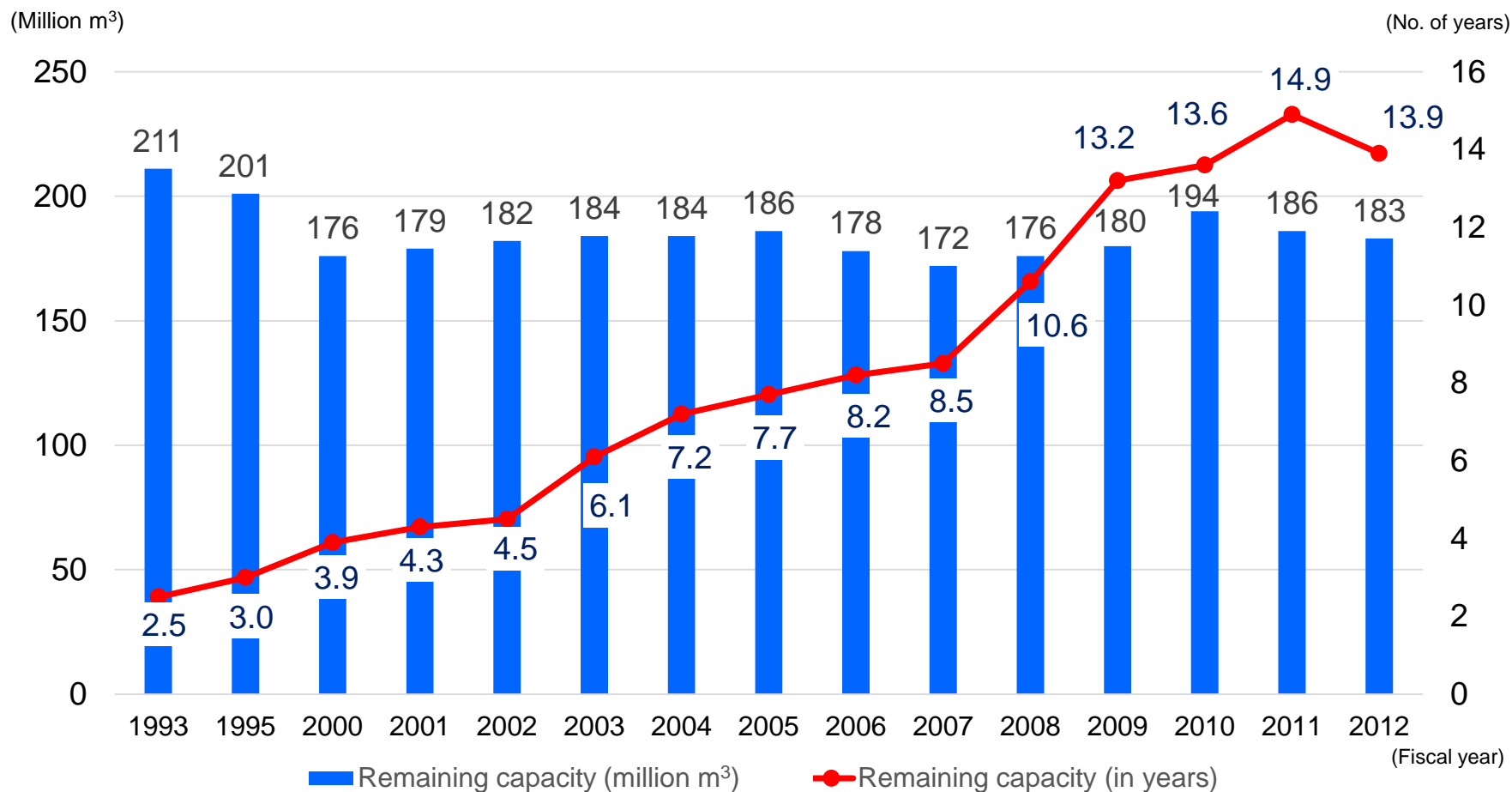
(Reduction of approx. 73.0% compared with fiscal 2000 result [approx. 91.3% reduction compared with fiscal 1990 result])



For Reference:

Remaining Capacity (in Volume & Years) at Final Disposal Sites for Industrial Waste

- ◆ Remaining capacity only 2–3 years in 1990s; increased to over 13 years since fiscal 2009
- ◆ Major contribution from reduction of final disposal volumes of industrial waste through Keidanren's Voluntary Action Plan



Source: Ministry of the Environment

2. Targets & initiatives in individual industries

◆ Set individual industry targets to work towards according to special characteristics and circumstances of each industry (35 industries)

Typical target indicators: Industrial waste recycling rate, disposal volume of general waste from business activities, rate of purchase of recycled paper and environmentally-friendly paper, etc.

◆ Independent industry-based initiatives are described in the voluntary action plan results by industry (41 industries)

Examples of major initiatives in individual industries

Reduce

- Maintain and improve heat efficiency in thermal power generation
- Reduce no. of returned goods through rigorous management of supply and demand
- Reduce general waste from business activities
- Reduce plastic carrier bags

Reuse/Recycle

- Ensure that waste, etc. is always sorted for reuse and recycling
- Encourage effective use of waste and by-products by developing new technologies and increasing their applications
- Promote use of recycled components
- Search out first-rate recycling contractors

- Accept waste from other industries
- Undertake thermal recycling
- Recover precious metals from household appliances discarded after use, etc.
- Compost food waste
- Develop new recycling businesses overseas

Overall initiatives

- Reduce volume of waste through intermediate treatment
- Develop/sell products designed to be environmentally-friendly (incl. sharing information with recycling contractors)
- Roll out 3Rs across overseas factories
- Encourage use of recycled materials, etc.

II. Planned Policy from Fiscal 2016

Continuation of voluntary action plan

- (1) Need to continue establishing sound material-cycle society from fiscal 2016 on.
- (2) Continue with new name:
Keidanren Action Plan for Establishing a Sound Material-Cycle Society.

1. Target for industry as a whole: Continue efforts to reduce the final disposal volume of industrial waste

- (1) Reduction of final disposal volume through initiatives by business operators is nearing limit. Final disposal volume could increase due to the Tokyo Olympic and Paralympic Games, etc.
- (2) Having set the target below for industry as a whole, continue to work toward reduction guided by a determination not to allow the final disposal volume to increase above its current level:

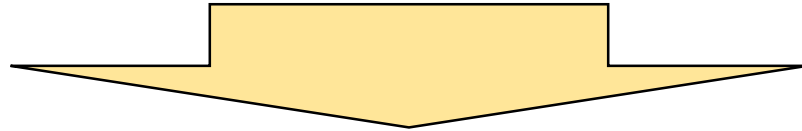


Work toward the creation of a low carbon society, undertake appropriate disposal of industrial waste, aiming to reduce the final disposal volume of such waste in fiscal 2020 by approx. 70% from fiscal 2000.

2. Targets in individual industries:

With a view to enhancing the quality of resource recycling

- ◆ Need to encourage initiatives focused on quality of resource recycling in order to make efficient use of limited resources by curbing consumption of natural resources, decreasing environmental load, etc.



- (1) Each industry should continue setting individual numerical targets according to its own special characteristics and circumstances, etc.
- (2) As far as possible, shift to numerical targets aimed at enhancing the quality of resource recycling.
- (3) If it is difficult to set numerical targets, set qualitative targets that contribute to enhancing the quality of resource recycling.
- (4) Publicize progress with the above in the voluntary action plan results by industry to be prepared each year.