Measures for Food Waste and Food Loss by the Ministry of the Environment, Japan

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Outline of Law for Promotion of Recycling and Related Activities for the Treatment of Cyclical Food Resources (Food Waste Recycling Law)

OPurpose

(Enacted in 2000 [Revised in 2007])

• Promotion of (1) prevention and reduction, (2) utilization as animal feeds and fertilizers and recycling including thermal recycling of food waste including unsold and leftover food, kitchen waste from manufacturing/processing/cooking.

OBasic Principles adopted by the Responsible Minister include:

- Basic direction of promoting recycling of food resources
- Targets on the amount of food resources to be recycled

OPromotion of measures including Recycling

- Indication of decision criteria by the Responsible Minister (Ministerial Audinance) including
 - Standards for recycling
 - Setting action targets for individual business entitites
 - Setting prevention targets ..etc
- Periodical reporting obligation to the responsible minister on the amount of food waste generation (for those generate more than 100 tons)
- Facilitation of recycling by business entities
 - Nurturing and securing recycling operators through "<u>Designated Recyclers System</u>"
 - Development of Good Practices (on Food Recycling Loop) through "Recycling Business Plan Certification System"

OMeasures including instruction and recommendation

- Instruction and advice to all food related business entities
 - Recommendation, publication of names, order and penalty to those generated more than 100 tons in the previous year (if actions are inadequate)

Target of Food Loss Reduction

(Edible parts only)



Targets for Reduction of Food Loss from Commercial Sources

- "Food Loss" = Edible but wasted food
- Japan generates food loss of 27.59mil tons/year, of which 6.43 mil tons is food loss.



State of Utilization of Food Waste (2016) < Outline >





Environment-Conscious Biomass Utilization Model Project

(A collaborative project with Ministry of Land, Infrastructure and Transport)

Purpose / Outline

Background / Purpose

- Expectations are rising on extended introduction of renewable energy based on local recourses towards CO2 reduction. Livestock excreta and food waste are diverted for generating methane for biomass power generation.
- Liquid fertilizer from such biomass power generation has previously been applied to pastures / farms, while there are cases of potential ground water contaminations identified.
- The project aims to pilot / develop a new model of biomass utilization which can present solutions to the problem, while achieving CO₂ saving.

Project Scheme

Consigning entities: municipalities, private operators Project period: 2016 - 2018

Project Outline

The project aims... (1) to conserve regional environment by employing wastewater treatment facilities for processing liquid fertilizer generated from biomass power generation based on locally generated animal excreta and food waste, and (2) to conserve CO_2 generation by supplying the power and heart generated from such facilities to wastewater treatment facility, and (3) by doing so, develop a model of treating liquid fertilizer that achieve a Low-Carbon Society and a Sound Material-Cycle Society.

Expected Benefit

A CO_2 -concerving and low-environmental-load model will be developed for utilization of animal excreta and food waste through collaboration with wastewater treatment facilities. By presenting the model of solving problem of underground water contamination from liquid fertilizer, a spill-over effect is expected benefiting all the municipalities with the same potential challenge.



Law on Promotion of Reduction of Food Loss (Outline)

Food Loss Issue> • Large quantity of edible food are still being disposed in Japan.
• Also referred to by 2030 Agenda for Sustainable Development (Sep. 2015 UNGA Resolution)



Preamble

Clarifies the basic positions for reducing food loss that: (1) Japanese nationals of all strata should address the issue proactively, and as an entirety as a society, towards nurturing and having the mindset of reducing food loss rooted in society. (2) edible food should not be disposed of and instead be utilized to the fullest extent.

Declares to institute the low to promote food loss reduction as a national movement through collaboration of various stakeholders.

Definition of Food Loss Reduction (Art. 2) Social actions for preventing edible food from being disposed of.	 Basic Actions (Art.14~19) ① Promotion of education, dissemination of knowledge and awareness raising targeting consumers and business entities. ※ Including awareness raising activities for advancing understanding on the importance of food waste loss through collaboration between consumers and business entities, such as selling/purchasing of food by the quantity demanded, and preventing wastage of sold/purchased food ② Support for actions by food related business entities ③ Award for those with achievements on food loss reduction ④ Research on the state of food loss and effective reduction methods ⑤ Collection and provision of information on advanced actions on food loss reduction
Duty (Art. 3~7) Duty of the government, municipalities, and business entities, role of consumers, and collaboration and cooperation among stakeholders	
Promotion of Food Loss Reduction on Actions related to Prevention of Food Waste (Art.8)	
Promote food loss reduction in acknowledgement of the law when implementing food waste prevention under the Food Waste Recycling Law.	
Food Loss Reduction Month (Art.9)	
Institute Food Loss Reduction Month (October) for the purpose of promoting understanding and interests on food loss reduction.	⑥ Support for activities by food bank, and conduct survey/evaluation of responsibilities arising from provision of food by food bank
Basic Principles (Art.11~13)	Conference on Promotion of Food Loss Reduction (Art.20~25)
 Government shall set basic principles on the promotion of food loss reduction (Cabinet Decision) Local governments shall formulate food loss reduction promotion plan in acknowledgement of the basic principles. 	Institute Conference on Promotion of Food Loss Reduction in the Cabinet Office which would be constitute of relevant ministers and experts and formulate drafts of basic principles and the like. (Chair : Minister of Sate for Consumers and Food Safety)