



IV Site Collection of Steel Cans

3. How Do Municipalities Participate in Store Collection?

There are two cases for store collection at retailers: one is voluntary collection by store, and the other is a case where the administration is involved in some way. The store collection is held as a part of retailer's CSR business, it is becoming an essential source in waste collection system.

Implementation of Store Collection (multiple answers)

17.7% of municipalities are working with retailers to implement store collection. However, many of municipalities do not implement / understand what retailers collect or manage.

| | FY2012 | |
|--|-----------------------|---------------|
| | # of wards and cities | rate(%) |
| Retailer implement store collection by own | 306 | 41.6 |
| Retailer cooperate with municipalities | 130 | 17.7 |
| No Implementation | 60 | 8.2 |
| No Grasp | 288 | 39.1 |
| Unknown | 43 | 5.8 |
| Total | 736 | 1000.0 |

Implementation of Store Collection by Region

Result shows that "retailers implement store collection by own" is higher rate than "retailers cooperate with municipalities". The high rate of implementation of store collection by region is 46.8% & 31.9% in Hokuriku area but the implementation rate in Chugoku and Kyushu-Okinawa area are quite low. Kanto also holds high rate of implementing store collection especially for the PET bottle under the Tokyo Rule III.

| | Retailer implement store collection by own | | Retailer cooperate with municipalities | | No Implementation | | No Grasp | |
|----------------------|--|---------|--|---------|-----------------------|---------|-----------------------|---------|
| | # of wards and cities | rate(%) | # of wards and cities | rate(%) | # of wards and cities | rate(%) | # of wards and cities | rate(%) |
| Hokkaido (34) | 13 | 38.2 | 6 | 17.6 | 3 | 8.8 | 13 | 38.2 |
| Tohoku (62) | 31 | 50.0 | 5 | 8.1 | 4 | 6.5 | 22 | 35.5 |
| Kanto (184) | 71 | 38.6 | 46 | 25.0 | 14 | 7.6 | 69 | 37.5 |
| Hokuriku (47) | 22 | 46.8 | 15 | 31.9 | 1 | 2.1 | 16 | 34.0 |
| Chubu (118) | 60 | 50.8 | 21 | 17.8 | 8 | 6.8 | 43 | 36.4 |
| Kinki (101) | 44 | 43.6 | 15 | 14.9 | 9 | 8.9 | 36 | 35.6 |
| Chugoku (50) | 25 | 50.0 | 5 | 10.0 | 4 | 8.0 | 17 | 34.0 |
| Shikoku (36) | 9 | 25.0 | 2 | 5.6 | 6 | 16.7 | 19 | 52.8 |
| Kyushu/Okinawa (104) | 31 | 29.8 | 15 | 14.4 | 11 | 10.6 | 53 | 51.0 |

Note: inside () indicates the number of municipalities in each district.

Target Items for Store Collection (multiple answers)

Major materials gathered at store collection are Trays (80.7%) and Milk cartons (71.6%) by retailers own whereas PET bottles (76.9%) is collected cooperatively (municipalities and retailers). Store collection is able to cover a broad range of materials. "Others" include used cooking oil, ink cartridge, PET bottle cap.

| | Retailer implement store collection by own | | Retailer cooperate with municipalities | |
|----------------------------|--|--------------|--|--------------|
| | # of wards and cities | rate(%) | # of wards and cities | rate(%) |
| Newspaper | 96 | 31.4 | 27 | 20.8 |
| Waste paper | 92 | 30.1 | 26 | 20.0 |
| Cardboard | 76 | 24.8 | 21 | 16.2 |
| Fabric | 14 | 4.6 | 9 | 6.9 |
| Aluminum cans | 175 | 57.2 | 45 | 34.6 |
| Steel cans | 136 | 44.4 | 33 | 25.4 |
| Metals | 2 | 0.7 | 1 | 0.8 |
| Returnable bottle | 63 | 20.6 | 25 | 19.2 |
| PET bottle | 206 | 67.3 | 100 | 76.9 |
| Trays | 247 | 80.7 | 69 | 53.1 |
| Milk cartons | 219 | 71.6 | 75 | 57.7 |
| Small household appliances | 11 | 3.6 | 5 | 3.8 |
| Hazardous waste | 55 | 18.0 | 34 | 26.2 |
| Others | 55 | 18.0 | 26 | 20.0 |
| Unknown | 24 | 7.8 | 1 | 0.8 |
| Total | 306 | 100.0 | 130 | 100.0 |

Recycling route for store collection (multiple answers)

More than half of store collections which retailer cooperate with municipality are collected either municipalities or private sectors. However, in case of retailer implement store collection by own, more than half of municipalities have no grasp of recycling route.

| | Retailer implement store collection by own | | Retailer cooperate with municipalities | |
|--------------------------------------|--|--------------|--|--------------|
| | # of wards and cities | rate(%) | # of wards and cities | rate(%) |
| Collected by Private Sector | 96 | 31.4 | 62 | 47.7 |
| Collected by Municipality | 43 | 14.1 | 69 | 53.1 |
| Apply return delivery transportation | 22 | 7.2 | 9 | 6.9 |
| No Grasp | 174 | 56.9 | 25 | 19.2 |
| Others | 5 | 1.6 | 8 | 6.2 |
| Unknown | 31 | 10.1 | 12 | 9.2 |
| Total | 306 | 100.0 | 130 | 100.0 |