PAGÇEV WORKS RECYCLING WINS
www.pagcev.org
RESPLENDENT ENVIRONMENT
What is waste?
Byproducts of manufacturing that may be harmful to the environment or human health if released into a receiving environment after use by consumers are called "WASTE".

What is packaging and packaging waste?
Packaging is a protective product that preserves and protects a product to ensure that the product reaches consumers in a safe, clean and reliable manner. Packaging waste includes transport and presentation packages that may be reused at the end of their useful lives, and does not include manufacturing scraps.
Reuse
A process where wastes are used repeatedly by retaining their original form until the end of their useful life, where they are subjected to no processing other than collection and cleaning.

Recovery
A process that converts waste into another product or energy through chemical or biological methods. An example of recovery is the degradation of organic wastes in anaerobic conditions to obtain biogas, followed by converting biogas to energy.

Recycling
Mechanical and/or chemical processes (except energy recovery) that convert reusable wastes into secondary raw materials, and includes them back in the manufacturing process.
WHAT HAPPENS WHEN PACKAGING WASTES ARE RECYCLED?
Used for protecting a variety of products from food to clothing and cleaning supplies, packaging items can continue to be a part of our lives after use if they are collected separately at source and recycled appropriately.
1 glass bottle, when recycled...

Can power a computer for 25 minutes

8 plastic bottles, when recycled...

Make one football jersey

* The Turkish A National Football Team played against Honduras in 2010 wearing jerseys made from recyclates.
1 TON OF PAPER, WHEN RECYCLED...

SAVES 17 TREES FROM FELLING

10 METAL CANS, WHEN RECYCLED...

CAN POWER A 100W LIGHT BULB FOR 35 HOURS
WHAT IN PACKAGING

PLASTIC
Water and beverage containers
Cooking oil, yogurt and margarine tubs
Shampoo and detergent bottles
Plastic jugs, PET bottles, etc.

METAL
Beverage cans
Containers for canned food and tomato paste
Cooking oil cans

WOODS
Pallets
Crates

COMPOSITE
Milk and juice cartons
Packaging for snacks and nuts

PAPER
Cardboard boxes
Paper bags
Wrapping paper
### 1. Materials used to store products:

**PACKAGING**
- Sugar boxes
- CD wrappers
- Catalog and magazine wrappers
- Cake boxes
- Rolls and rods wrapped in flexible materials (cling film, aluminum foil, paper) used for product presentation
- Pots used for temporary housing of plants for transport and sale (not intended as a permanent receptacle)
- Glass vials for injection solutions
- Exterior CD boxes (not the interior case meant for protection)
- Clothes hangers sold with clothing items
- Matchboxes
- Sterile barriers (sachets, trays and bags used to protect sterile items)
- Disposable beverage pods (coffee, chocolate, milk)
- Refillable gas canisters (except fire extinguishers)

**NOT PACKAGING**
- Pots intended as permanent receptacles for plants
- Toolboxes
- Teabags
- Cheese wax
- Cold meat casings
- Clothes hangers sold separately
- Disposable pods, bags or filter papers that contain coffee grounds
- Printer cartridges
- CD or DVD cases (protective inner cases sold with the items)
- CD storage cases (sold empty for storing personal CDs)
- Dissolvable sachets of detergent pods
- Tealight containers
- Mechanical spice grinders (e.g. refillable pepper mills)

### 2. At point of sales:

**PACKAGING**
- Paper or plastic bags
- Disposable plates and cups
- Cling film
- Sandwich bags
- Aluminum foil
- Plastic sheets or bags used in laundry or dry cleaning services

**NOT PACKAGING**
- Stirrers
- Disposable cutlery
- Wrapping paper (sold separately)
- Paper baking cups or liners
- Cake platters (sold separately)

### 3. Auxiliary products and components:

**PACKAGING**
- Tags affixed or hung directly on items

**PACKAGING COMPONENT**
- Eyeliner brushes that form part of the cap
- Stickers affixed to packaging
- Staples
- Plastic sheaths
- Dosing containers that form part of detergent bottle caps
- Disposable spice grinders (e.g. non-refillable pepper mills)

**NOT PACKAGING**
- Radio Frequency Identification (RFID) tags
PAGÇEV IS AN AUTHORIZED PACKAGING WASTE INSTITUTION OF THE MINISTRY OF ENVIRONMENT AND URBAN PLANNING
PAGÇEV is the recycling entity of PAGEV (Turkish Plastics Foundation), the umbrella organization of the industry since 1989, and is a nonprofit organization established to ensure the segregated collection of packaging wastes at source. On January 3, 2014, PAGÇEV became an “authorized institution” of the Ministry of Environment and Urban Planning to recycle all types of packaging wastes.

PAGÇEV assumes the responsibility of marketers or packaged products to recycle and certify the packaging used, and collaborates with municipalities to ensure that packaging is segregated at source and recycled. PAGÇEV also carries out education and awareness activities regarding packaging wastes and recycling, campaigns to encourage recycling, and produces public service announcements.

Our vision

To provide sustainable solutions for preventing and reducing waste generation, and the reuse and recycling of wastes as part of an integrated waste management program that will yield environmental and economic benefit to Turkey while maintaining our leadership position.

Our mission

In order to develop the concept of sustainable environment for the future:

- Contribute to convenient waste management;
- Protect the environment and help achieve resource efficiency;
- Conduct education and awareness campaigns on segregated collection at source;
- Stay abreast of scientific and technological developments in the recovery of raw materials and packaging wastes;
- Campaign for the segregated collection and recovery of all wastes to curb environmental pollution;
- Cooperate with local authorities, Ministries, other institutions and the public to help prevent unauthorized activities.
PAGÇEV WORKING PRINCIPLE

Marketers

Contract

PAGÇEV Authorized Institution

Tripartite Cooperation Agreement

Bipartite Cooperation Agreement

Municipalities and Collection-Sorting Facilities

Collection-Sorting Facilities

All Sorted Packaging

Recycling Facilities
ON BEHALF OF MARKETERS, PAGÇEV:

- Makes contracts with economic entities to achieve recycling targets specified in the regulations, and assists companies in filling the Packaging Waste Marketer Application Form;

- Enacts agreements with Municipalities and licensed Collection and Sorting Facilities (CSF) to achieve recycling targets; monitor waste collection activities, and collects, or arranges the collection of, sorted packaging wastes from municipalities for recovery;

- Provides, or pays the costs of, waste receptacles such as bags, bins, containers or interior collection boxes that are to be distributed according to the Packaging Waste Management Plan agreed with municipalities on behalf of the marketer;

- Organizes trainings about packaging waste management; ensures continuity of training and pays costs;

- Conducts annual market surveys with contracted municipalities to determine the costs of segregated collection at source;

- Prepares and submits recovery quota achievement files to the Ministry on behalf of member marketers;

- Builds recovery capacity in Turkey to help achieve recovery targets;

- Inspects declarations and certifications made by collection-sorting, recycling and recovery facilities operation on license or temporary certificate.
“PAG” THE RECYCLING HERO

PAGÇEV designed “PAG” the recycling hero to conduct fun and informative sessions for children in recycling events.
FREQUENTLY ASKED QUESTIONS
What is a Marketer?

A Marketer is a business entity that markets a packaged product within Turkey under its own brand or after import.

What are the obligations of Marketers?

- Complete an Annex 5 – Marketer Application Form on the Packaging Waste Portal until the end of March every year to declare the packaging waste marketed in the previous year;
- Build recovery capacity to achieve recovery targets;
- Ensure the collection and recycling of packaging wastes marketed at the rates specified in the regulations.

What is a Recovery Target?

This target determines the proportion of packaging wastes marketed during the year, and Marketers must certify their achievement of this target. The current rates are 54% except wooden packaging for the years 2017, 2018 and 2019. For wooden packaging, the rates are 9% for 2017, 11% for 2018, and 13% for 2019.

How can Marketers meet their obligations?

Marketers are required to meet at least one of the two obligations below:

A) To implement a deposit/return system for product packaging:
   - Prepare and submit a deposit/return plan according to the template found in the packaging information system;
   - Send deposit/return packaging to licensed packaging waste processing facilities at the end of their useful life;
   - Submit a report of the collected deposit/return packaging marketed during a year until the end of March in the subsequent year.

B) To make a contract with an authorized institution:
   - Submit the contract through the packaging information system until the end of June in the obligation year;
   - Be severally responsible with the authorized institution regarding the fulfillment of obligations.
   - Marketers may enact agreements with more than one authorized institution to meet their obligations.
5. What does an Authorized Institution do on behalf of Marketers?

- Assists in filling out the Annex 5 for Marketers;
- Enacts contracts with Municipalities and licensed Collection and Sorting Facilities to meet recovery targets;
- Prepares a Packaging Waste Management Plan with the Municipality and obtains Ministry approval;
- Supplies bags, bins, containers and boxes for collecting wastes to Municipalities;
- Provides waste recovery training and educational materials;
- Prepares and submits recovery quota achievement targets for member Marketers.

6. Do all Marketers have an obligation to be certified?

The documentation threshold has been reduced from 3000 kg to 1000 kg. All marketers are required to submit declarations, but entities whose marketed quantities are below 1000 kg are exempt from documentation requirements. Marketers that declare a marketed quantity greater than 1000 kg for their 2018 activities will become subject to documentation requirements.

7. What are the consequences of marketers not documenting the achievement of their recovery targets?

If marketers implementing a deposit/return scheme or authorized institutions are unable to meet their recovery targets, the difference will be added to the quota for the following year, and administrative sanctions will be imposed in accordance with the Law numbered 2872.
What does the Authorized Institution do to prepare the certification file?

- Enacts a tripartite agreement with the Collection and Sorting Facility and a Municipality, and prepares a Packaging Waste Management Plan showing the collection, sorting and recycling activities to be performed within that Municipality.
- Supplies bags, bins, containers and boxes for carrying out activities according to the Plan.
- Conducts recycling and packaging waste management trainings in schools, hospitals and public offices within the Municipality and supports these activities with visual materials.
- Enacts a bipartite agreement with the licensed CSF, inspects the documents pertaining to wastes collected, sorted and sent to a licensed recycling facility by the CSF for compliance with regulations, and pays the CSF for these documents.
- Documents these activities, prepares a Documentation File using the documents pertaining to wastes sent to recycling facilities by the CSF, and submits the file to the Ministry on the online system.

What is the nature of the agreement between an Authorized Institution and a Marketer?

- The Authorized Institution submits a certification service quote to the Marketer based on the quantity of packaging that the Marketer is required to recover. The quote is itemized according to each different packaging type.
- The Marketer may enact a Brand License Agreement with the Authorized Institution, and may use the PAGÇEV brand logo below on their packaging items to communicate that they recycle the packaging that they market.
PAGÇEV
ACTIVITIES
AND
PROJECTS
SORT PACKAGING WASTES CORRECTLY AT SOURCE FOR AN AWARE SOCIETY, BETTER COUNTRY, BRIGHTER FUTURE, AND SUSTAINABLE WORLD!