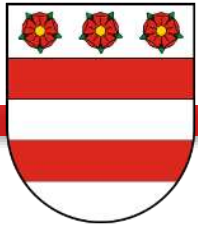


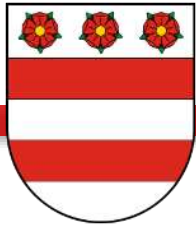
# **WASTE MANAGEMENT**



# WASTE – LEGISLATIVE FRAMEWORK 1/2

- ❖ Waste Act
- ❖ hierarchy of waste management





## WASTE – LEGISLATIVE FRAMEWORK 2/2

### ❖ **Waste Management Plan**

- state, region, city/village

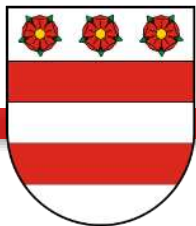
### ❖ **Waste Prevention Plan**

- Ministry of Environment of SR for period of 10 years

### ❖ **Generally Binding Regulation of Municipality**

- *on municipal solid waste and small construction waste management*
- *on local fee for municipal waste and small construction waste*





# MIXED MUNICIPAL WASTE - SLOVAKIA

V roku 2017 sa na Slovensku vyprodukovalo **1 176 579,9 ton** zmesových komunálnych odpadov



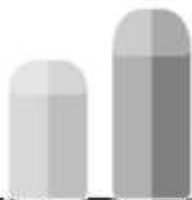
**87 %**  
skládky



**13 %**  
energeticky  
zhodnotený  
odpad



Množstvo odpadu  
za desať rokov  
**narástlo**  
**o 37 percent**



**216 kg**  
komunálneho  
odpadu  
na obyvateľa



# COMMITMENT OF SLOVAKIA

**Znížiť** množstvo zmesového komunálneho odpadu do roku 2025

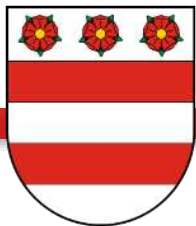


o **50 %** v porovnaní s rokom 2016.



**Posun v odpadovom hospodárstve**  
od materiálového zhodnocovania ako jedinej priority  
k predchádzaniu vzniku odpadu

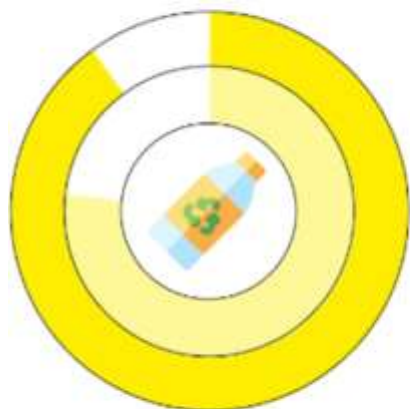




# WASTE PREVENTION PLAN OF SR : 2019-2025

## Recyklácia áno!

PET fľaše



2025 2029

77 % 90 %

komunálny  
odpad



2020 2030

50 % 65 %

všetky obaly  
uvedené na trh



2030

70 %

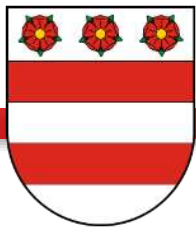
## Skládkovanie nie!

odpad



2035

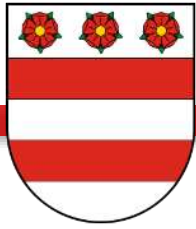
maximálne  
10 %



# TECHNICKÉ SLUŽBY MESTA PREŠOV, A.S.

- ❖ established by City of Prešov, 100 % ownership
- ❖ Technické služby mesta Prešov provides for:
  - collection, transport, and disposal of mixed municipal waste
  - disposal of waste by landfilling or incineration by contractor





## MIXED MUNICIPAL WASTE 1/2

### INDIVIDUAL HOME CONSTRUCTION

- 110 liter containers
- once a week

### RESIDENTIAL HOUSING

- 1,100 liter containers
- twice a week

### LEGAL ENTITIES AND ORGANISATIONS

- by individual order







## MIXED MUNICIPAL WASTE 2/2

### COLLECTION OF MUNICIPAL WASTE

- implemented by Technické služby mesta Prešov, a.s.



### WASTE TRANSHIPMENT

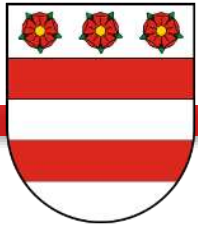
– implemented by City of Prešov contractor



### WASTE TRANSPORT TO LANDFILL/INCINERATION PLANT

– implemented by City of Prešov contractor

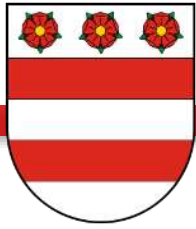




## **"SPRING AND AUTUMN CLEANING"**

- ❖ the company provides for furnishing of bulk containers with subsequent disposal of collected large-scale waste**





# SEPARATE WASTE COLLECTION 1/2

## ❖ HOUSES

about **7,000 bags** for paper, plastics, glass, tetrapacks+metals

## ❖ RESIDENTIAL HOUSING

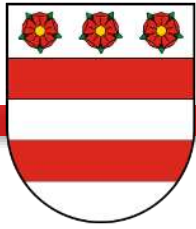
**Paper** – 221 pcs of 1,100 l containers

**Plastics** – 306 pcs of 1,100 l containers

**Glass** - 219 pcs of 1,100 l containers

**Tetrapacks +metals** – 210 pcs of 1,100 l containers





## SEPARATED WASTE COLLECTION 1/2

### ❖ BAG COLLECTION SYSTEM

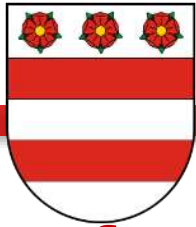
#### ❖ frequency of collection

- **paper** – 6 times a year
- **glass** – 6 times a year
- **plastics** – 13 times a year
- **Tetrapacs+metals** – 6 times a year

### ❖ CONTAINER COLLECTION SYSTEM

#### ❖ frequency of collection:

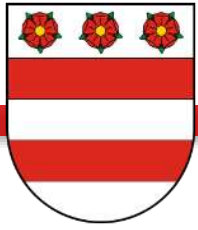
- **paper** – 52 times a year
- **glass** – 26 times a year
- **plastics** – 54 times a year
- **Tetrapacs+metals** – 26 times a year



# BIOLOGICAL WASTE COLLECTION

- ❖ from individual home construction
- ❖ frequency of collection is **twice a month** from March to November
- ❖ waste includes **grass, twigs, fruit and vegetable residues**
- ❖ waste is collected in **240 l special containers**
- ❖ **containers and collecting machines** acquired from **EU funds**

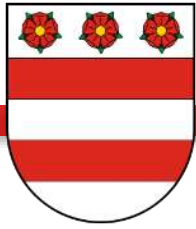




## RECYCLING CITY YARDS

- ❖ **two recycling yards** (Bajkalská St. 33, Jesenná St. 3)
- ❖ **free of charge** waste acceptance from **Prešov residents**

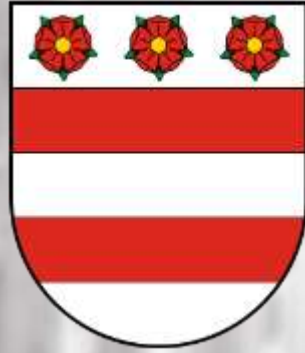




## FUTURE PROJECTS

- ❖ **Building of stations of semi-undeground containers in each municipal part of the city of Prešov**
- ❖ **Launching of PAYT (Pay As You Throw) system**
- ❖ **Building of fenced and locked cages for waste containers**
- ❖ **Buidling of small recycling yards**
- ❖ **Community composting**
- ❖ **Concept "Complex Solution of Municipal Waste Recovery in City of Prešov"**





**THANK YOU FOR YOUR ATTENTION**