

Aglantzia's Pay as you throw

The eco-social approach to Waste collection pricing

Harris Tsangarides
Aglantzia Municipality Town Clerk

The issue

- Limited recycling
 - Compared with the rest of the EU
- Large Number of Debtors
- Disproportionate number of students (hard to track, charge, collect fees)
- Constant pleas for Garbage fees
 - Unfair system
 - Subjective criteria



Current pricing system

- Flat rate
 - According to size of dwelling and/or number of inhabitants
 - No connection with actual consumption
- Maximum fee of €170 per household
- Brake-Even regime
- "Polluter Pays"!!!!



Until... a rainy day in Brussels ...





Investigation

- Google
- Twinned Towns
- Green Dot



The initial proposal

- Memo to the Board (June 2006)
 - "Prepaid Bag"
- Re-sent to the new board (2007)
- Hesitations
 - Resistance to change
 - Illegal Dumping
 - Legal issues
 - Cost



And on

- Green Dot intervention
- Municipal Board re-convenes
- Mayor gives strong political support
- Addressed positively by the Ministry of Interior
- Visit to Flanders and an in depth look in to PAYT systems
- New thorough memo
 - Board reaches a positive political decision

Aglantzia's PAYT

Volume or Weight?

Bag or Bin?







Aglantzia's PAYT

• Bag:

- Advantages:
 - Constant Cash Flow
 - No need to register
 - Direct receipts
 - Easily understood
- Disadvantages
 - Less Fair

 Half empty bags
 - Mass buying cost awareness
 - Hard to identify in large buildings flats
 - Cats and weather
- Value MAANTZIAX Dumping sites charge per weight





Aglantzia's PAYT

- Bin:
 - Advantages:
 - Fairer System
 - Direct contact / usage awareness
 - Apartment Blocks
 - Weight to weight charge
 - Disadvantages:
 - Large cost (Pilot €100K)
 - Harder transition
 - Increased collection time by about 35%









Other Decisions— Where & How

- Pilot project :
 - 600 dwellings (12,7% population)
 - Easily defined area
 - Larnakos ave, Ammochostou ave, Green Line
 - Postal Code 2103
 - Good population sample
 - High, Medium, Low Income, detached housing, apartment blocks, students
 - Close to the "Green Point"

Other Decisions –App Blocks

- The issue
 - Large Waste Volume
 - Confined Bin space
 - "Anonymity"
- Pilot within a pilot:
 - 120lt bins where possible
 - 1100lt bins for joint use with barometric lock
 - RFID equipped press

Other Decisions-Invoicing

- Total waste collection cost 2010 / Total waste weight 2010
 - €0,10 per kilo
- Social criteria
 - The same discounts following an application
- Detailed invoicing every 3 months
 - Date / Time / Weight / Cost
- Dummy Invoicing to familiarise









Awareness Campaign

 Via national and local newspapers radio and TV interviews - Free

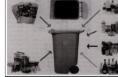


«Θα πληρώνουν ό,τι πετοί

Με το κιλό η χρέωση σκυβάλων στην Αγλαντειά

«ΠΑΥΡΩΝΙΟ ό,τι πειώ»... Με το σύνθημα αυτό, ο Δήμος Αγλαντζιάς ετσιμόζεται να θέσει σε εφορ-μογή ένα νέο σύστημα πρέωσης τις οποκομιδής

λόφος Διοκεπίλες εφωρούς επέρτερε, το ποιοσούρο πεδεπέρων « θα πληρώνουν για όσα σκουπίδια





Awareness Campaign

Logo and Branding (Flyers and Q&A)



Awareness Campaign

Website





Door to Door



Issues addressed

- No illegal dumping increase A relief
- Use of "neighbouring" bins
- A small number of bins had no weightings



Issues addressed

- Resistance to change
 - "Bin Aesthetics" / Bin Lockers
 - "Punish Municipality" for other issues!
 - Locks
- Labour system misuse
 - Remove bin before end of weighting cycle
 - «....μιά σακκουλούα.....» (just a small bag)
 - Software issues
- Single Garbage truck



• The costs for 2013:

Truck Costs	
Rent	31,795
Fuel	2,617
Maintenance	902
	35,314
Staffing	
Direct labor	37,948
Administration	18,774
Other Overhead	3,381
	60,103
Depreciation	
Bins	1,612
Campaign	1,023
	2,635



- Despite:
 - The lack of "Green Point"
 - The fact that the results have not been notified to the participants
 - The recession



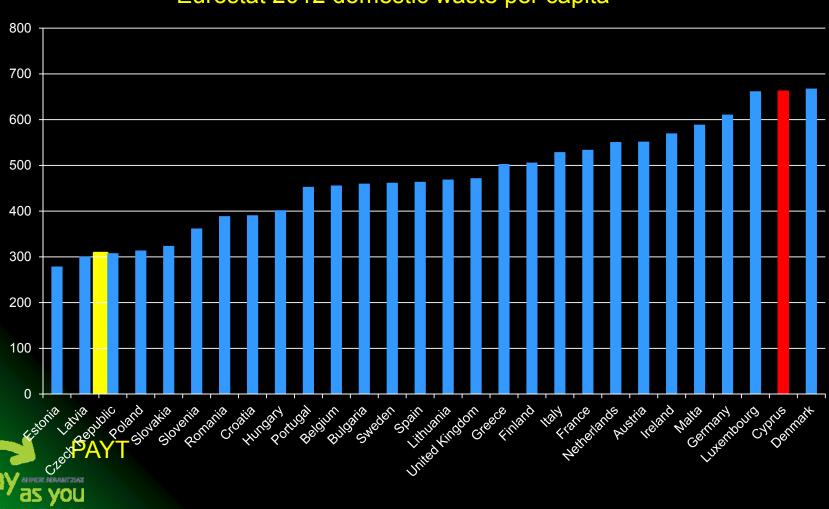
- For 2013
 - There were 29,842 weightings
 - Reliable measurements 28,380
 - 276 compressor uses
 - 595,237 kg collected
 - The average house had 738.15 kg
 - The average apartment block had 3,219 kg
 - Estimated annual domestic waste 224.9 kg per person



- Adding all recycling:
- We reach the astonishing result of per capita domestic waste of 270.6 Kg
- Cyprus as per Eurostat had in 2012 663Kg!
- Reduction of 59.9%

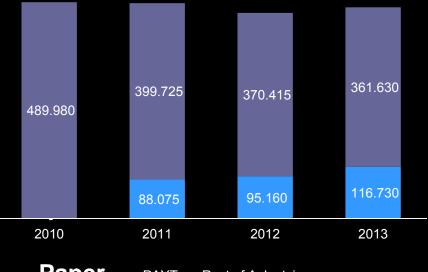


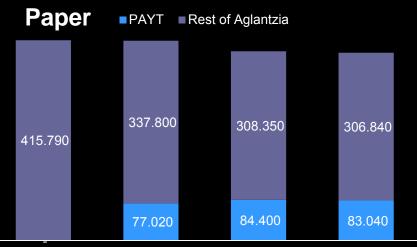
Eurostat 2012 domestic waste per capita



Recycling







Decrease of 4.1% in overall recycling Increase in PAYT area (11.3% in 2013)



The impact on households

- Overall cost reduction of 13.4%
- Detached housing
 - 235 are currently overcharged / 144 undercharged
 - Savings can go up to €142 (83.5%)
- Apartment blocks
 - 80 are currently overcharged / 13 undercharged



The next steps

- Complete the pilot
 - Re-cost
 - Real invoicing
 - New Data
 - Android / i Phone real time application
- Expand into a fully fledged system
- EU Structural Funds application
 - €1.6 million

Thank you for your attention

Harris Tsangarides

Town Clerk of Aglantzia 22462196

harris.tsangarides@aglantzia.org.cy



