



Annex III: Green Point Recycling

www.green-point.co.il



Green Point Recycling is a waste management company based in Haifa that collects and sorts plastic bottles and other plastic packaging. In addition to Haifa, they are also based in Turkey and Congo. Green Point Recycling collects from the plastic cages installed for plastic under the deposit law with vacuum trucks and transport the collected material to their sorting facility at Haifa Bay. In addition they receive material from sorting stations and from other waste management companies. Even if this additional material arrives as sorted, the quality is however mostly very low, with a high contamination. Of this additional material, only around 10-15 % can be directed to recycling and additional efforts are needed.

Green Point Recycling exports its material for recycling to the factory in Turkey where Green Point Recycling produces flakes that are then exported to Europe.

Green Point is currently also running a pilot project together with Wise Bin on separate collection at source for dry recyclables as an alternative to the orange bin: compression containers in large buildings with more than twenty families. The main advantage of these bins is that the dry recyclables get crushed before falling into the container, and therefore the volume is reduced substantially (to 1/6 of original volume). This allows for a collection only every 7-10 days. Other advantages are: identification and benefit system for users possible, clean(er) material stream thanks to recognition by machine of type of packaging, and possibility to reject, collection of liquids in tank below bin, reports to the control centre when full, allowing control centre generate optimised collection route. Investment: around 1300 Dollar per unit without the bin.

Green Point Recycling is currently not recycling the plastic because of the following reasons:

- Low quantities and low quality of material – under these circumstances it is currently not profitable to open a recycling plant
- A minimum of 700-800 t per month would be needed to break even and a minimum 2.000 t/m of PET would be needed in Israel to recycling inside Israel
- Even if recycled here currently the end product (bottle-to-bottle, tray-to-tray) would be exported since the price in Israel for the secondary raw material is 10-15 % lower than elsewhere (because there is no tax on imports of virgin material in Israel such as in Turkey or Europe)



Main problems identified

Operational:

- Distance to collection cages is too far and thus inconvenient for citizens: only “believers” sort their bottles (estimation: 30 %)
- Material received from sorting stations and other WM companies is of very low quality
- Low quantities collected
- No availability of material due to low separate collection and low quality of material from sorting stations

Monitoring & control

- There is no correct data available of total quantities of PET sold in Israel
- Too many free riders under the deposit and packaging laws

Key recommendations

- No source separation since the citizen will not sort in 5-6 streams and thus the material is lost to landfill
- Instead: well-functioning sorting stations and only source separation between wet and dry stream
- Support by MoEP to the recycling industry, for example through financial support to quantities collected for recycling
- Enforcement of compliance with deposit and packaging law for all companies
- Proper data collection and monitoring of total amounts put on the market

Contact person: Zohar Levy

CEO

p.o.b 10499, Haifa Bay 2629907

Tel: +972-4-8722778

zohar@green-point.co.il