

Producer Responsibility Organisation



Our Values

CONSCIENCE | COMPETENCE | COMMITMENT | COURAGE | CARE | EXCELLENCE



EPR initiatives and structures in the Paper and Packaging Sector

IPSA

12 March 2025



ABOUT US

People, Planet, Prosperity

What we do



Circular Energy NPC is duly registered as a not-for-profit, Producer Responsibility Organisation (PRO) in accordance with the legal requirements of the Extended Producer Responsibility Regulations (No. 43879).

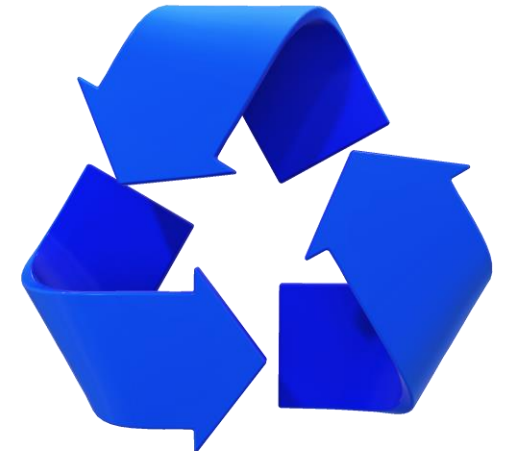
Circular Energy assists its members, which are obligated companies, with meeting the EPR regulatory requirements and targets through various key stakeholders within the value chain in the country.

Circular Energy is registered with the Department of Fisheries, Forestry, and the Environment (DFFE) with the following registration numbers to service the following 5 sectors:

- Electrical and Electronic Equipment & Industrial Batteries– 19/7/6/E/PRO/20211012/006
- Lighting and Lighting Equipment – 19/7/7/L/PRO/20220808/031
- **Paper and Packaging – 19/7/5/P/PRO/20220808/032**
- Portable Batteries – 19/7/5/P/PRO/20230428/039
- Lubricant Oil – 19/7/7/L/PRO/20230816/048



forestry, fisheries
& the environment
Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA





Circular Energy NPC in Action

Infrastructure development, informal sector integration, and SMME development

Packaging collected to date (Tonnes)



PPP Type	Volume collected (tons)
Plastic (Flexible) PET	289.03
Polyolefins Rigid polyolefin packaging	970.20
Polyolefins (Multi-layer films packaging)	6
Polystyrene (expanded and High Impact)	193.33
Corrugated cases / Kraft papers	2222.18
Paper & paper packaging - paper sack	42.87
Tinplate (Ferrous) Metal Packaging	627.78
Aluminium (non-Ferrous) (Other)	0.0001



Infrastructure Development at Circular Energy Recyclers



Recycling Expanded Polystyrene (EPS) has long been a challenge due to its bulky nature. Circular Energy is tackling this issue with an innovative EPS melting machine that simplifies collection and transport by converting EPS into valuable raw materials.

Circular Energy launched two state-of-the-art machines in Kwa-Zulu Natal and Gauteng designed to tackle this challenging aspect of waste management.

Circular Energy purchased two EPS trailers to facilitate the management and transport of EPS to its recyclers.



Infrastructure Development at Circular Energy Recyclers

Circular Energy NPC assisted its recycling partner with infrastructure development support by supplying two granulators and pelletiser, which is sold into secondary markets within South Africa.

The infrastructure support also included a plastic strapping processing machine.



Co-operate with All Municipalities

The producer responsibility organisation must:

Co-operate with all municipalities (where applicable), within 3 years of implementation of their extended producer responsibility scheme, to increase the recovery of identified products from municipal waste.

Providing education, training, and capacity-building for municipal staff



Supporting registered waste pickers



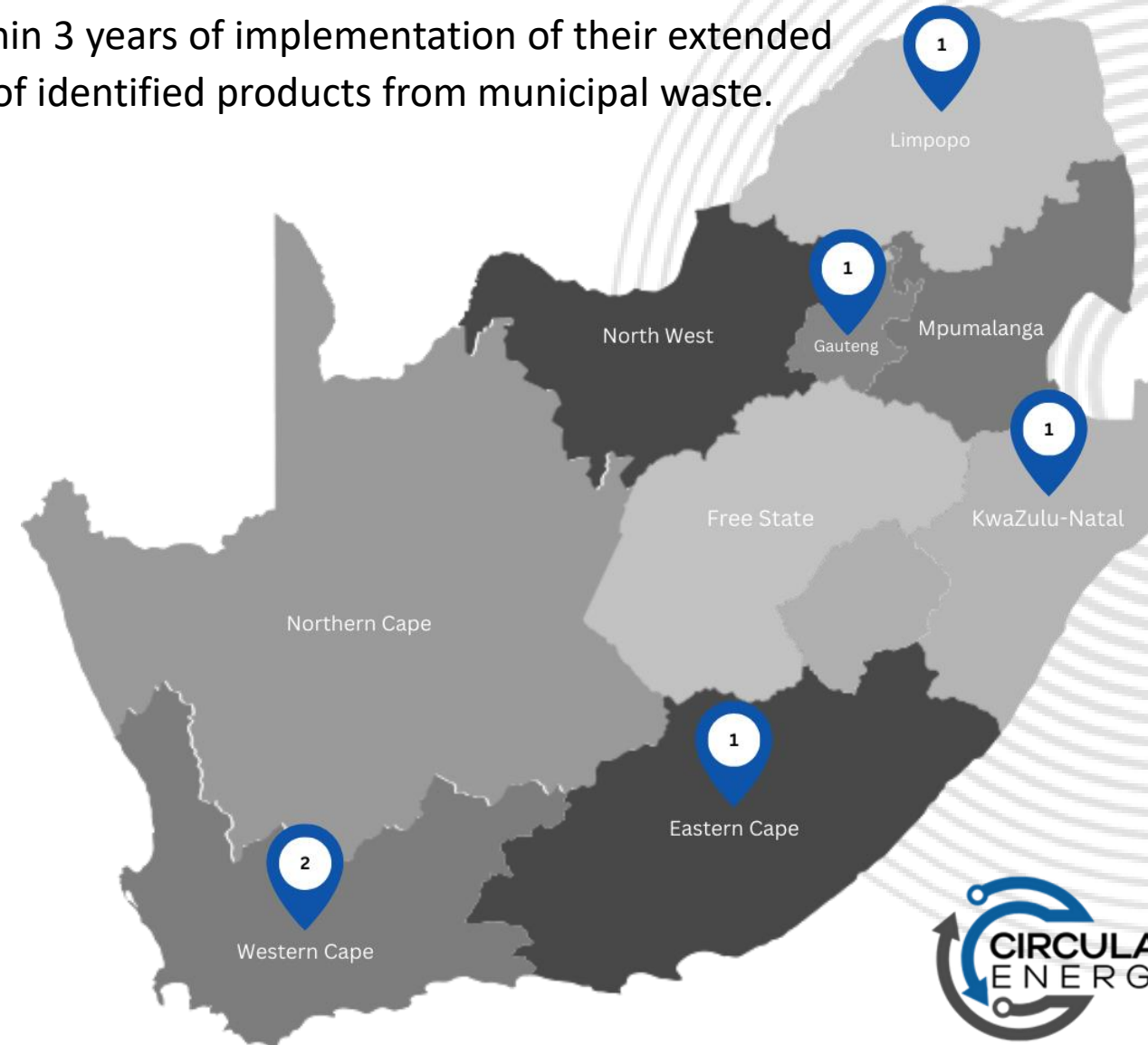
Developing solutions to divert specified products from landfills



Strategising on the placement of collectors for managing identified products



Collaborating on methods to reduce landfill waste and encourage residents to recycle identified products



Integration of the Informal Sector



Circular Energy recognises the crucial role of integrating the informal sector into the waste value chain, particularly in the separation at source and collection of recyclables.

Key initiatives for 2024:

- Supplying of PPE
- Developed and implemented a purpose-built waste picker trolley
- Waste picker service fee payments in collaboration with Circular Energy Member MTN via the MoMo App.



> R900 000,00

Waste picker payments made



> R1 600 000,00

PPE and infrastructure support



>450 hours

Training and skills development



SMME Development



Circular Energy provided business and infrastructure development support and training a black woman-owned SMME and completed Phase 1 of the project, which included securing the site with walls and gate installation.

One of the objectives of assisting the SMME includes the building of a buy-back centre to provide a safe environment where local waste pickers can take their recyclables in exchange for the appropriate rebate.

In providing a permanent buy-back centre for waste pickers, Circular Energy NPC will be able to provide the waste pickers with the respective service payment, over and above the rebate payment.

The waste pickers will be compensated through the MoMo app in collaboration with Circular Energy member MTN.



SMME Development Cont.



1. Circular Energy is also supporting a recycling and waste management company based in Pinetown, KwaZulu Natal that buys, collects, washes and granulates plastic which is then sold onto recyclers who manufacturer various plastic products such as PVC piping.

The recycler procures majority of their plastic from waste pickers, in exchange for a competitive rebate.

2. Circular Energy NPC also supports a woman-owned recycling company in Amanzimtoti, KwaZulu Natal.

The recycler began operations from a township garage with two employees collecting and reselling recyclable materials and has now grown and expanded their operations to include sorting and resale and is based at the municipal landfill site.

The recycler has evolved into a fully operational drop-off and buy-back centre with a team of seven permanent employees and six part-time employees.

88 Jobs Created which were
also part of skills development
programs



Disability Inclusion



Circular Energy hosted an information webinar on International People with Disabilities Day, to raise awareness around inclusive employment and is financially supporting 10 learners with disabilities to achieve their NQF Level 4 Certificate in Environmental Practice.

Circular Energy partnered with Bradshaw LeRoux Consulting to enhance disability inclusion through training, advocacy, and skills development initiatives.

These learners will be hosted by Circular Energy, its Producer Members and Recyclers.





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Thank you

Patricia Schröder
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