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CARBON

Project Name: Walkers Recycling

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Date: 24 April, 2015

Project Location: Walkers Recycling, Unit 17, Coleman Park, Coleman Street, Elsie's River, Western Cape, South Africa, 7490



Elsies River is a mixed industrial, commercial and residential suburb. Walkers Recycling is a family run business started by Eddie Walker at his Mitchells Plain home. It began by collecting run from a residential base that began by collecting high-value recyclable material from the CBD in 2005. It has since evolved into a small enterprise (Pty, Ltd) that operates with full recognition from the City of Cape Town from an industrial park. The business now employs 10 people, all historically

disadvantaged in the South African context.

Project Commencement Date:

The business has been collecting waste for a decade but initiated the idea of securing carbon credits in 2013. It is the intention to account for and secure carbon revenue from 2013. The project will be audited for the first time in 2015.

Project Period:

10 years

Estimated GHG Savings Schedule:

- 2012: 317.71tCO₂e
- 2013: 510.98tCO₂e
- 2014: 741.45tCO₂e

Project Partners:

The PACE Centre is a South African not-for-profit (NPO registration number 055-238-NPO), voluntary organisation whose registered office is at Office Annex, 2 Bokkemanskloof, Blue Valley Avenue, Hout Bay, 7806, South Africa (www.carbon.org.za). PACE plays the role of Project Proponent in the Project. PACE, as project proponent, is responsible for registering the project with the Credible Carbon Registry. Credible Carbon (www.crediblecarbon.com), currently a Close Corporation, that has applied to be registered as a Pty Ltd, ensures the legal compliance of all transactions, marketing the project's carbon credits and ensuring accountable financial flows between buyers of credits, the project developer and the beneficiary community.

Walkers Recycling is a South African business (Pty, Ltd) based in Coleman Park, in the Elsie's River industrial area. Walkers Recycling operates a vehicle fleet that collects waste from homes, restaurants and nightclubs for sorting by team of employees. Walkers Recycling plays the role of Project Developer in this project and is responsible for managing the waste collection and sorting and remunerating waste-pickers that are active at its site in Coleman Park. It has been agreed that proceeds from any carbon revenue will be used to increase waste collection through the employment of new waste collectors and an increase in the scale of Walkers Recycling's operations.

Methodologies Involved in Emission Reduction:

Estimates of carbon savings are based on the principles contained in the approved CDM-Executive Board methodology for recovery and recycling of materials from solid waste: **AMS-3-AJ**, including an informal waste sector, a recycling facility and a processing and manufacturing facility.

Brief Description of the Project:

The project involves support for the ongoing implementation of a dry waste recycling solution for selected establishments in the Cape Town CBD and for the broader Cape Town area. Walkers Recycling sorts and on-sells the re-cyclable material that would otherwise end up in a municipal landfill.

The project sees local households, restaurants, and commercial ventures reducing their quantity of waste that goes to landfill. This shift is associated with:

- An increase in recycling
- An increase in the reuse of materials (rather than to landfill or recycling)
- Income and job-creation through the on-sale of recycling
- Sustainable job and enterprise creation through waste and recycling management (transport, collection/delivery, processing) companies
- A reduction in greenhouse gas emissions
- Setting a replicable precedent for community-scale dry waste recycling and management solutions

Dry-waste recycling has been operational at the Walkers Recycling site since 2005. The Credible Carbon process allows for an initial retrospective audit of three years and accordingly the company is looking to trade carbon credits from 2012.

Capacity Building and Walkers Recycling sustainability:

The emergence of Walkers Recycling as a recognised recycling company represents a significant step in the advancement of Cape Town's waste handling economy and the emergence of black economic empowerment companies. Walkers Recycling was initiated and is now fully owned by previously disadvantaged South Africans and has grown to prominence without any state assistance.

The Walkers Recycling operation is motivated by the need to generate income but happens to provide considerable public benefit at the same time in the form of local employment, reduced greenhouse gas emissions and reduced waste to Cape Town's over-burdened landfill sites.

A future challenge will be to include Walkers Recycling in the mainstream, large-scale, waste handling economy of the City of Cape Town by virtue of contracts (or sub-contracts) issued by the City.

Funding:

The project generates income through the on-sale of recyclable materials and through the anticipated sale of carbon credits. Walkers Recycling separates, weighs, and prepares the recycling material for collection by a private waste management and transport company which then on-sells the materials to a final buyer that use the material in manufacturing of new products. Records are kept of all sales.



Walkers Recycling management and staff in the waste sorting depot in Coleman Park

Monitoring and evaluation:

The project generates revenue from its credits through the Credible Carbon Registry (www.crediblecarbon.com). The registry requires an independent audit of all projects in order to answer four definitive questions:

- i. Is the project real?
- ii. Is the described technology in place and functioning in accordance with its design specification?
- iii. Are the estimates of greenhouse gas emissions reduction reasonable in terms of accepted international standards and unbiased towards buyer or seller?
- iv. Is there a discernible impact on poverty?

The first two questions are established during a site visit conducted by the auditor. Estimates of CO₂e savings are established by checking on the quantity of waste recycled by Walkers Recycling and cross-checking this with receipts of sorted waste purchased from Walkers Recycling. Detailed records of recycled waste are retained by Walkers Recycling and are checked by the auditor. It is assumed that where Walkers Recycling can show a receipt for the purchase of their sorted waste, that this constitutes proof that the waste was collected and diverted from landfill.

It is further important to establish that none of the carbon credits claimed by Walkers Recycling are being claimed by “end-users” of the recycled material and to establish Walkers Recycling as the credible owners of those credits.