

REDUCING PLASTIC

POLYCO



PACKAGING TO LANDFILL

## SOME BACKGROUND

# Saving South African Landfill Space

and Growing the  
Recycling Economy



## POLYCO'S PURPOSE

- Our role as a NPC is to reduce plastic packaging to landfill by increasing the **sustainable** collection, recycling and beneficiation of polyolefin plastics, polymers 2(HDPE), 4 (LL and LDPE) and 5 (PP)
- We do this to fulfil the **extended producer responsibility** requirements of the polyolefin packaging industry in order to meet the IWMP recycling rate target of 35% or 238 000 te's by 2020.

# FIRSTLY : WHAT ARE POLYOLEFINS



**HDPE**  
High Density  
Polyethylene



**LDPE and LLDPE**  
Low and Linear-Low  
Density Polyethylene



Thanks!

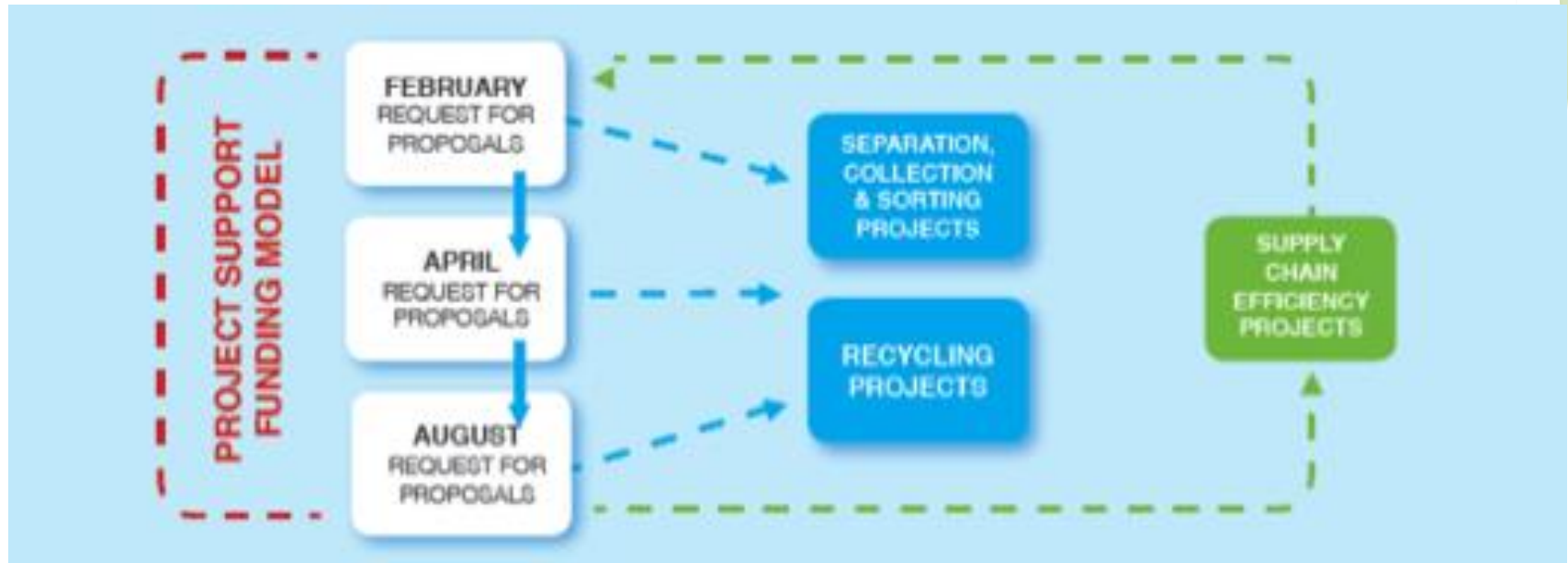


**PP**  
Polypropylene



As a polymer manufactured from by-products of oil-based raw material, polyolefins are **tough, resilient and 100% recyclable.**

# POLYCO PROJECT SUPPORT FUNDING MODEL



# POLYCO'S EVALUATION CRITERIA

1. Source of new recyclable material
2. Geographic location
3. Financial robustness of business
4. Viability of request
5. Effective utilisation of equipment
6. Growth in tonnes collected or recycled
7. Rand/tonne investment effectiveness
8. Employment opportunities created
9. SMME development opportunities

# PROJECT SUPPORT PARTNERS TO DATE

2013 COLLECTIONS	2014 COLLECTIONS	2014 RECYCLING
ENVIROSERV	MY WASTE	EMET
REMADE	VERIGREEN	ITALIAN PLASTICS TECHNOLOGIES
KIMBERLEY RECYCLING	INWASTE GREEN	MOUNTAIN VIEW PLASTICS
ZCSD	MYPLAS - COLLECTORS	POLYMARK RECYCLING
	TWK	COASTAL RECYCLING
	TRI	MYPLAS
	PAUL RANTOFI	
	MPACT RECYCLING	

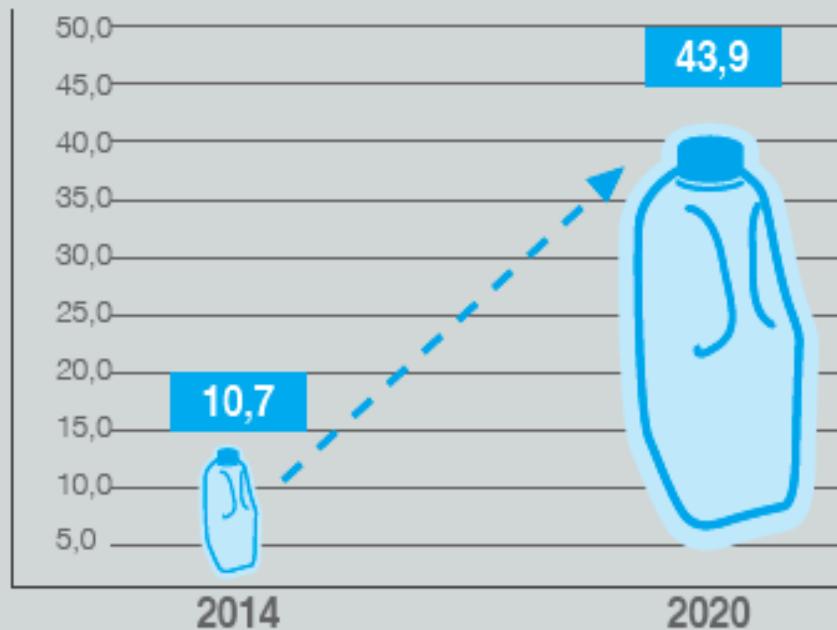
Thanks for the  
support!





## FUNDING GROWTH

Rmil



In 2014 all R11million project spend was sourced from the voluntary levy contributions. In 2015, R2,5 million will be sourced from repaid loans and by 2020, R25 million of the R43million project spend will be sourced from repaid loans.



## WHAT WE'VE ACHIEVED

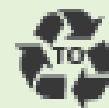
## POLYCO REACHES NEW HEIGHTS

**R17  
MILLION**  
INVESTED IN  
PROJECTS SINCE  
INCEPTION, YIELDING  
**48 000**  
TONNES OF NEW  
RECYCLED  
POLYOLEFIN MATERIAL  
OVER THE NEXT  
**3 YEARS**  
COST-EFFECTIVE  
RAND PER TONNE  
INVESTMENT RATIO  
OF R354/TONNE



POLYOLEFIN RECYCLED VOLUMES INCREASED FROM

**125 000**  
TONNES  
IN 2009



**171 000**  
TONNES  
IN 2014



POSITIVELY IMPACTED MANY  
LIVES BY CREATING OVER

**4300 JOBS**  
(BOTH FORMAL AND INFORMAL)

THROUGH THE FUNDING OF  
SUPPORT PROJECTS

**OUR AIM IS TO GROW POLYOLEFIN PLASTICS RECYCLING  
BY 300 000 TONNES OVER THE NEXT 5 YEARS:  
FROM 31,8% TO 35% RECYCLING RATE**



**SO WHAT'S OUR  
CHALLENGE ?**



**AVAILABILITY  
OF CLEAN  
RECYCLATE!**



# THE INFORMAL SECTOR IS CHALLENGING: POLYCO's FINDINGS

## Challenges:

1. Volume growth tends to be small with high rand/ton ratio
2. Lot of inexperienced applicants or start up operations
3. Many requests for trucks or working capital
4. Many want to add more value but don't have the know-how or capital i.e., move from collector to recycler
5. Is has directly affected S-A-S initiatives supported by POLYCO

## Positives:

1. By supporting collection SMME's, it directly creates more demand from the informal sector
2. Employment opportunities created
3. The establishment of buy back centres/ drop off areas in "unserved" areas is important for growth of new source
4. Opportunity to upskill this sector to add more value

# COLLECTION PROJECTS 2015:

Awarded R4,6 million in August 2015

1.R850K in grants to the informal sector

2.R3,8 million in interest –free loans to SMME's

Some examples:

1.Trashback - Alexander model

2.Nondaba - Secunda

3.A2 Recycling, Mary Recycling, Aspignon

# VALUE CHAIN PROJECT :

- Brand owner rHDPE content
- Gap analysis
- Converter requirements
- Recycler requirements
- Collector requirements



## Collectors Guideline for Polyolefin Identification

A pocket guide to help collectors identify valuable HDPE, LDPE, LLDPE and PP recyclable packaging products by providing images of the widely recycled consumer products.



# CONSUMER AWARENESS CAMPAIGN



Visit [www.youtube.com](http://www.youtube.com) and search **POLYCO SOUTH AFRICA** to meet our dynamic duo!

**We need your help to save the planet for future generations**

POLYCO is an industry body whose energies are focussed on promoting and growing plastics recycling in South Africa, in order to send zero plastic packaging to landfill by 2030. To achieve this – we need the public to help us. Watch our short “how – to” video’s and start recycling today! You will make a difference.

For more information please contact: [lisl@polyco.co.za](mailto:lisl@polyco.co.za) or call: 021 531 0647



[www.polyco.co.za](http://www.polyco.co.za)

Visit **w**  
**AFRICA**

We need  
future ge

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and growing plastic  
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For more information please con

## HOW-TO VIDEOS



VIDEO 1



VIDEO 2



VIDEO 3



VIDEO 4



VIDEO 5

# THANK YOU!

