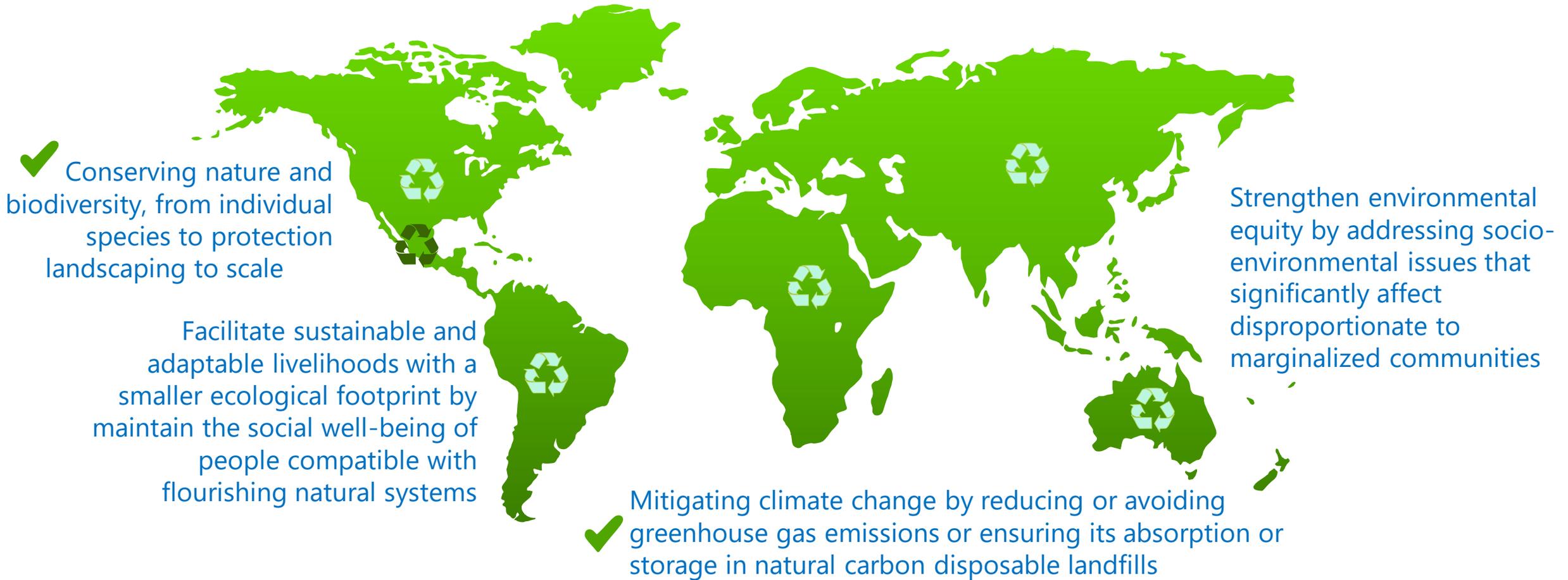




CIRCIULAR ECONOMY BUSINESS CASE

ROTARY INTERNATIONAL



A world map with a light green background. Overlaid on the map are several icons: a recycling symbol (three chasing arrows) in North America, South America, Europe, Africa, and Australia; a leaf icon in South America; a globe icon in Mexico; and a leaf icon in Asia. The map is surrounded by text boxes with checkmarks and descriptions of environmental goals.

✓ Conserving nature and biodiversity, from individual species to protection landscaping to scale

Facilitate sustainable and adaptable livelihoods with a smaller ecological footprint by maintain the social well-being of people compatible with flourishing natural systems

Strengthen environmental equity by addressing socio-environmental issues that significantly affect disproportionate to marginalized communities

✓ Mitigating climate change by reducing or avoiding greenhouse gas emissions or ensuring its absorption or storage in natural carbon disposable landfills

FUNDAMENTALS ON THE ENVIRONMENT



CIRCULAR ECONOMY BUSINESS CASE

FIRST STAGE BUSINESS CASE

PLASTICS ANALYTICS



CIRCULAR ECONOMY BUSINESS CASE

FIRST STAGE BUSINESS CASE

PLASTICS ANALYTICS



RECYCLING

Natural Capital
Preservation



OPTIMIZATION

Manufacturing Process,
transportation and Collection



ECO- EFFICIENCY



MATERIALS

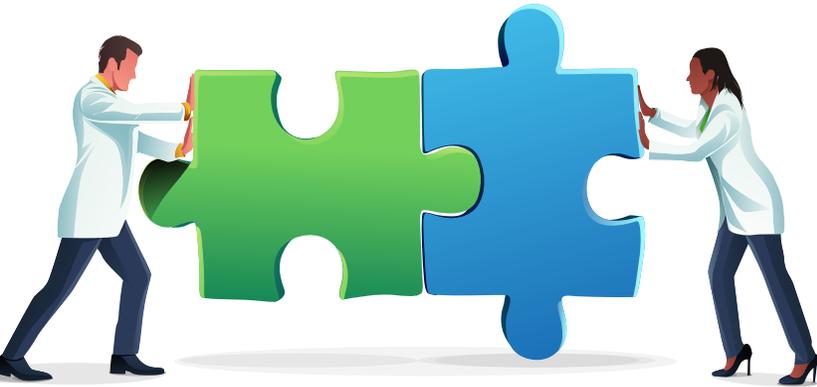
Bio-Degradables o
Compostables



HUMANITY CHALLENGE

CONTAMINATION

Plastics Industry contribute each year with Over 56 Billion Metric Tons of CO₂e to the Carbon Footprint



RECYCLING

Only 19.8 % of Plastics are recycled worldwide each year



CLIMA IMPACT

The Goal is to be under the 1.5 Centigrade each year, Burring Fossil Fuel and Plastics already impact 84% of the Goal

CIRCULAR ECONOMY PRINCIPLE



Community Invest Time and Money to establish the Correct way to Recycle.



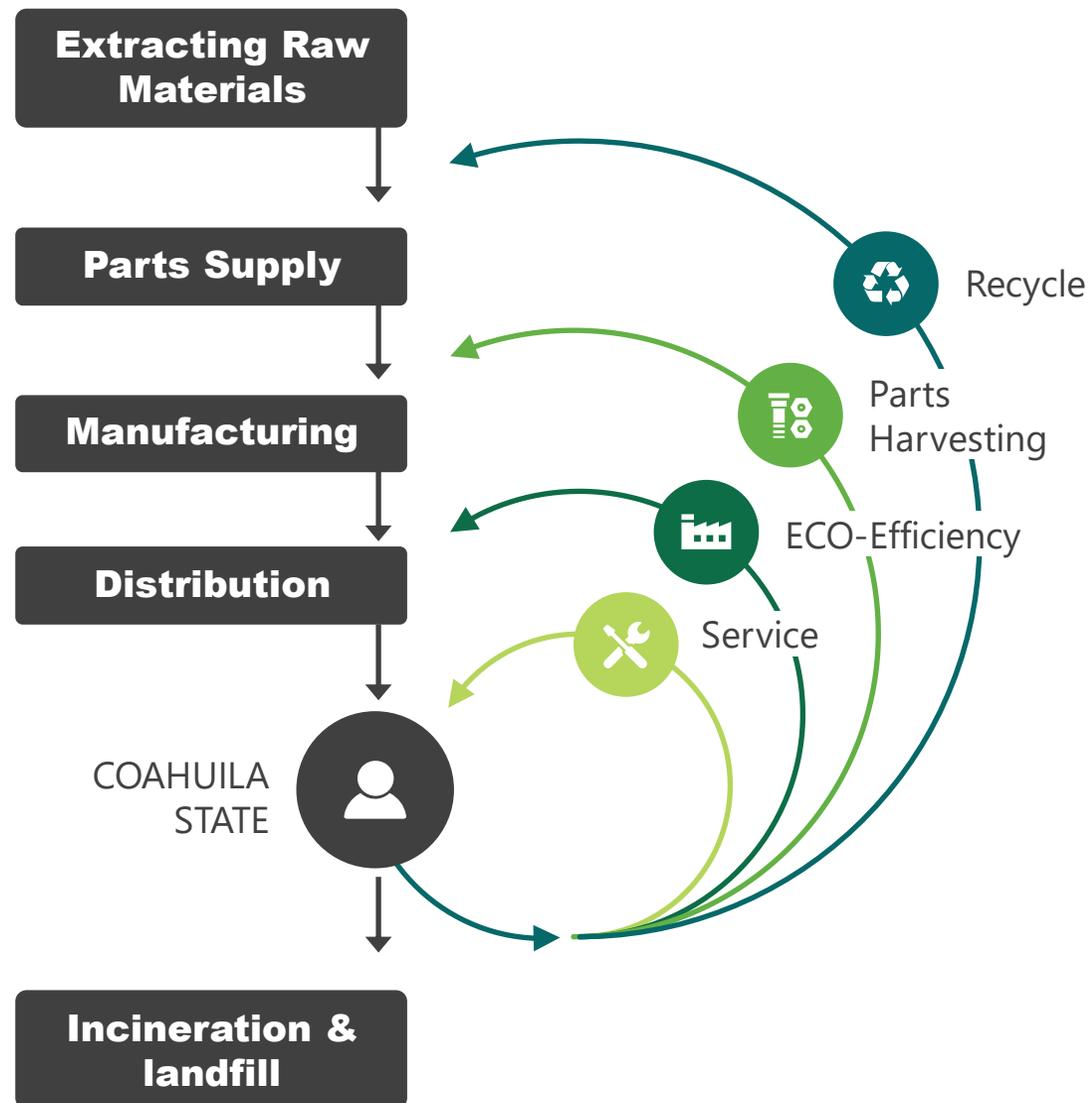
Establish the Platform to segregate and classify the Plastics Waste at the point of use.



Eco-Efficiency in the Waste Material to maximize the Recycled Properties to increase potential consumer use.



Transform the way Recycled Material is return to the Consumer, to create a sustainable scenario



Reduce by 18% each Year, the 50% total Plastic Waste delivered to Landfill in the community



CIRCULAR ECONOMY BUSINESS CASE

FIRST STAGE BUSINESS CASE

PLASTICS ANALYTICS

FIRST STAGE BUSINESS PLAN

INFRASTRUCTURE

7,500 FT2 Warehouse



QUALITY

Segregation Mesh
Metal Detection System
Quality Lab (ASTM Compliant)

PERMITS
Operation License
Special Transport
Permits



PROCESS

Human Capital
Operation Supplies

MANUFACTURING

Second Station
Process Center with
Scale



ECO-EFFICIENCY

Recycled Material
packaged and
Transport Eco-Friendly

TIMELINE 2023 - 2024

BUSINESS CASE
Comprehensive
Data Analysis and
Presentation

INFRASTRUCTURE
Lease New Building
Functional Structure

QUALITY
Fully Equipped and
Certified Quality Lab



CW30

CW36

CW44

CW49

CW52

CW05 2024

APPROVAL
Secure Investment,
Trust Fund

EQUIPMENT
Investment in Mat
Rig, Metal Detector
and Classification

START OPERATION
Plastics Recycle
Capability from 500
to 1,000 Ton/Month

SECOND STAGE BUSINESS PLAN

INFRASTRUCTURE

Collection Hoppers
and Conveyors

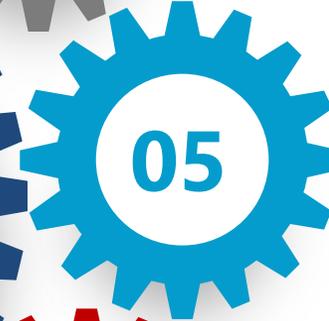


QUALITY

Quality Lab (ASTM Compliant)
Second stage

PERMITS

Collection
Transportation Permits



PROCESS

Human Capital
Operation Supplies

MANUFACTURING

Grinding Station and
Washing System

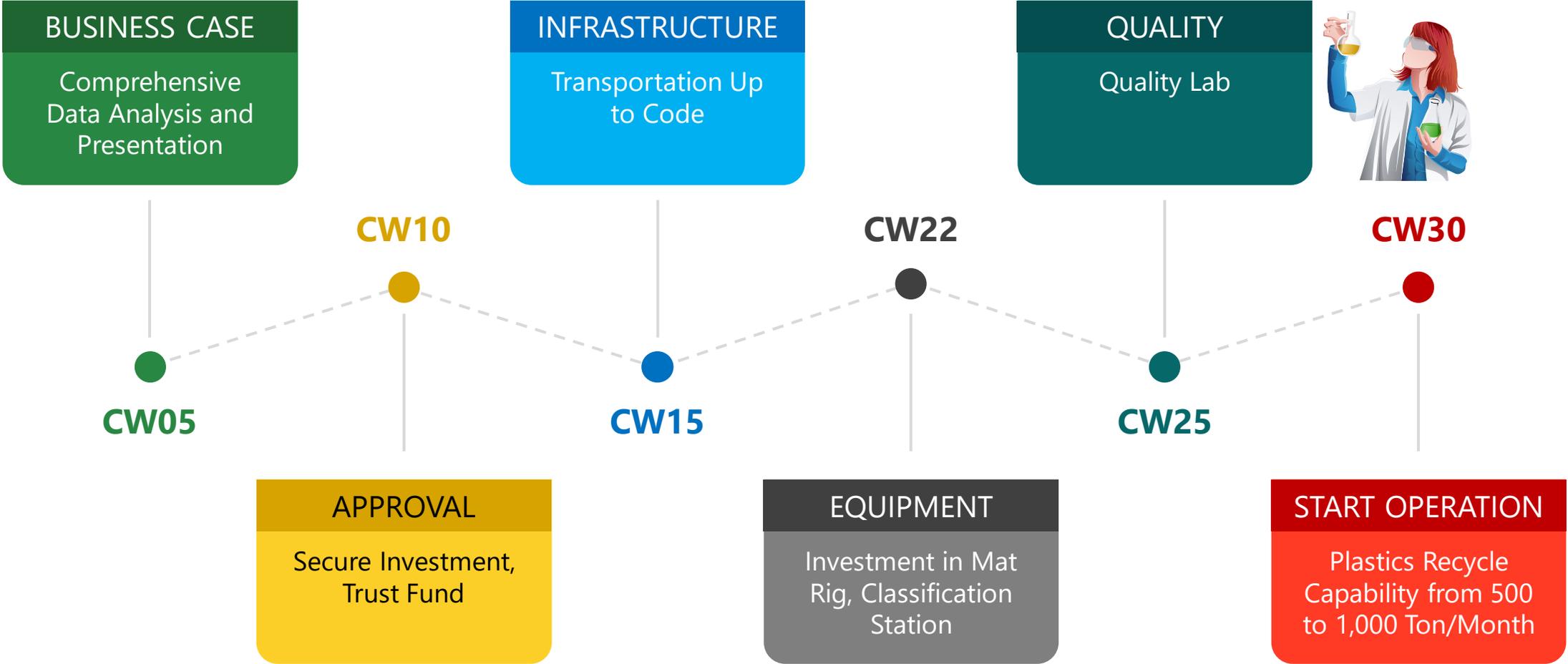


ECO-EFFICIENCY

Recycled Material
packaged and
Transport Eco-Friendly

\$ 95,513 USD
+250
Ton/Month

TIMELINE 2024





- In Saltillo we have over 5 Orphanage that fit the criteria for the project
 - Estancia Eugenia Lopez
 - Valle Arizpe Casa Hogar
 - San Juan Bosco Casa Hogar
 - La Casa del Buen Samaritano
- Each Orphanage holds in any given time between 21 t 30 Children
- Average Age between 4 to 18 years old
- Basic need in High School to technical university



- Innovated Learning system by skill set
- Certified Instructors based on Skill Set needed in the Industry
- Combined teaching techniques with Virtual Tools and Learning platforms



- In Saltillo we have make an strategy partner to secure all recycle material collection and consolidation to ensure the primary objective to reduce the plastic waste to reach our oceans or the Landfill at the city



FIRST STAGE CONTRIBUTION



EDUCATION

% of Profits Will secure full scholarship for Children in local orphanage, based on academic merits, as well as Future Engineers



ENVIRONMENT

18% YOY Reduction on Plastic Waste confined in the local landfill depo



HEALTH

% of the Profits will secure Specialized Medicines to 4 local communities in the region

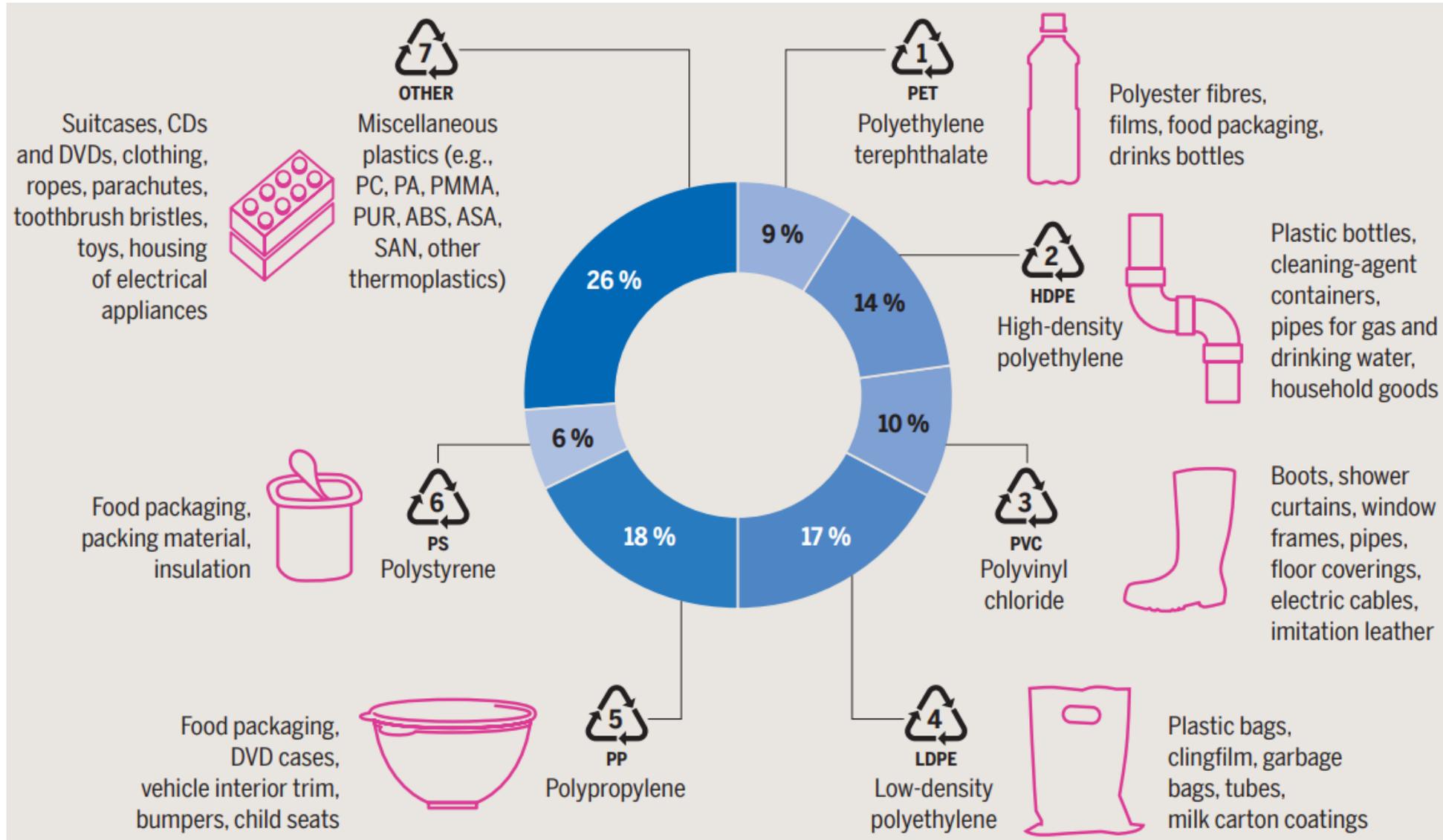


CIRCULAR ECONOMY BUSINESS CASE

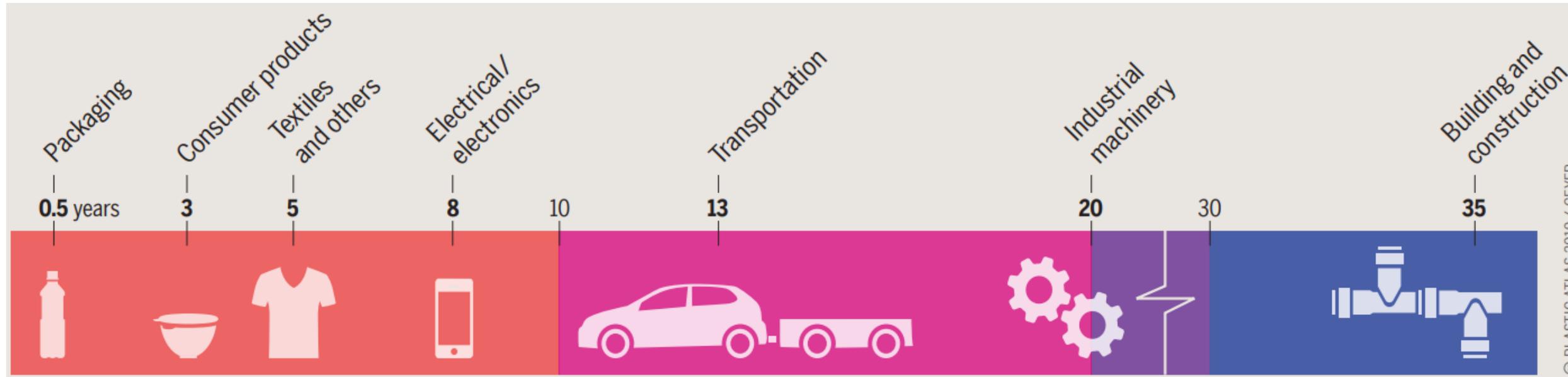
FIRST STAGE BUSINESS CASE

PLASTICS ANALYTICS

THE WORLD OF PLASTICS



PLASTICS LIFE SPAN IN YEARS



TYPE BY INDUSTRY

696 Millon/Ton 2022



MORE THAN HALF OT TOTAL PLASTICS THAT WE HAVE TODAY WERE PRODUCE SINCE THE YEAR 2000

PLASTICS MAYOR PLAYERS

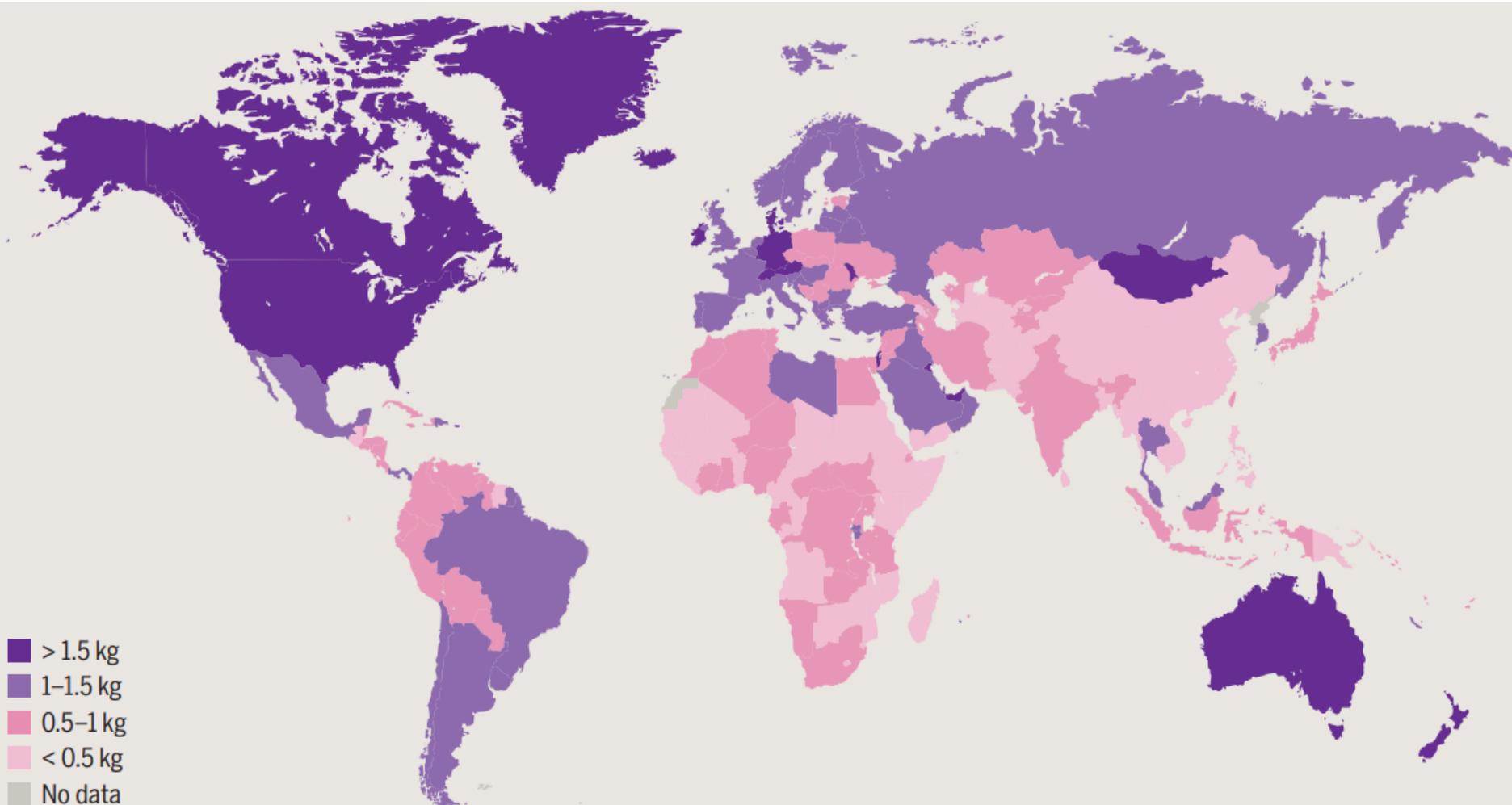
ExxonMobil

DOW

BASF

INEOS

WASTE CREATION BY HUMANS



MEXICO

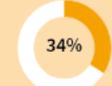
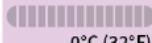
An Average Person Produces 1.5 Kg/Day of Waste, approximately 1 Kg is Plastic, on Average Annually 44.6 Million Tons of Plastic Waste is generated in Mexico, and we only recycle less than 9.2% currently. Less than 4.1 Million Tons are Recycled annually.

At VINDE we contribute 2,016 Tons in 2022

PLASTICS FACTS

- ❑ Every Plastic ever produce still exist today
- ❑ Mexico is the 12th Country with the largest consumption of plastics in the world
- ❑ From 1955 to 2015 the world produced 7.8 Billion tons of plastic waste
- ❑ Plastics Bags: The world uses 500 Billion per year about a million per minute
- ❑ PET (Polyethylene Terephthalate) first industrially recycled plastic
- ❑ Plastics can not be biodegradable by its own since is man made
- ❑ 1988 First Industry setup to recycle plastics
- ❑ It Takes 88% less energy to produce recycle plastics than raw materials
- ❑ Currently only 19.9 % of the plastic waste is recycled
- ❑ Between 8 to 12 million tons of plastic waste is dump into the sea every year
- ❑ Plastic fuels climate change. If current trends continue, plastics will have caused around 56 gigatonnes of CO2 emissions by 2050. In other words: making plastic could cost 10 TO 13 PERCENT OF THE REMAINING CARBON BUDGET to keep global warming below 1.5 degrees Celsius

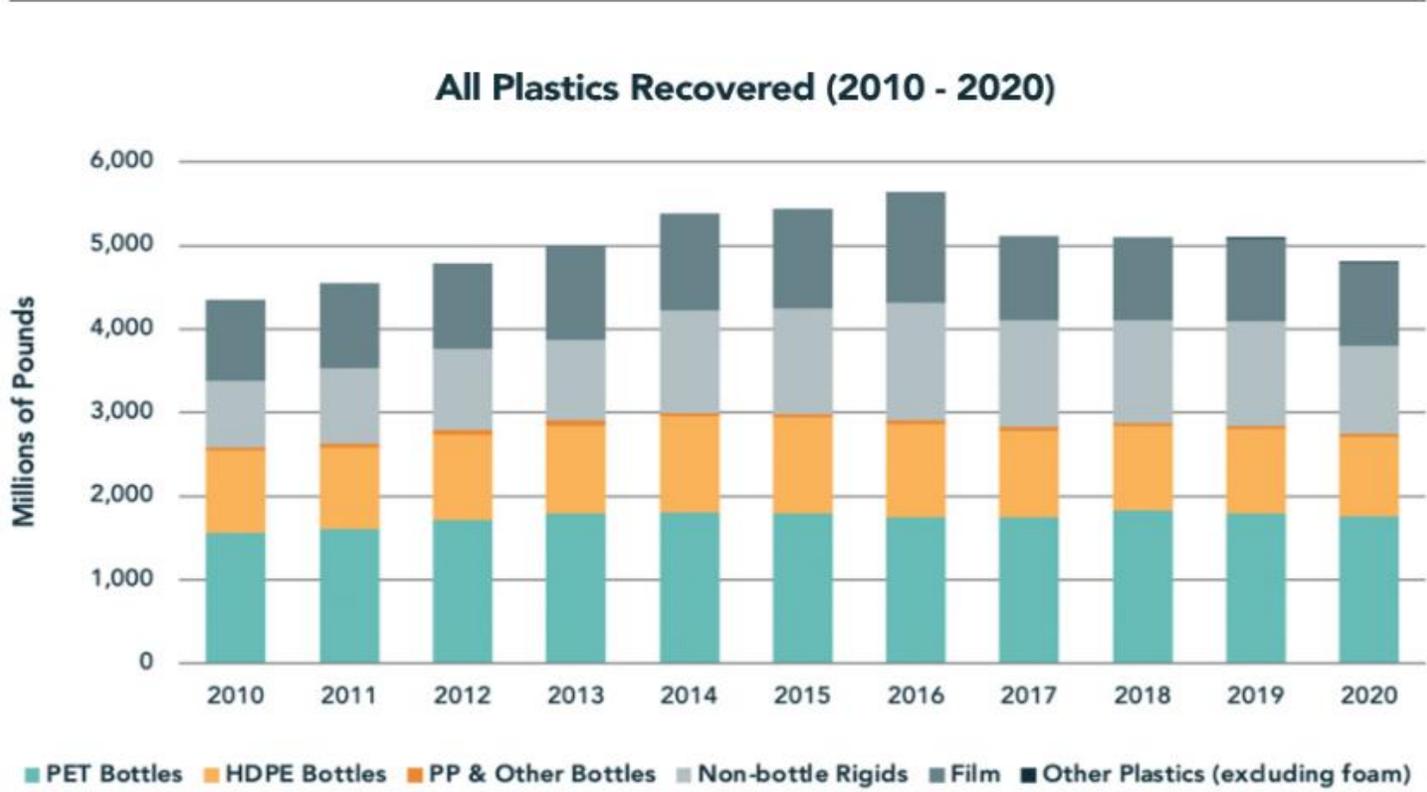
TOXICITY CODE:  LOW  HIGH

| Polymer Name | POLYETHYLENE TEREPHTHALATE | HIGH-DENSITY POLYETHYLENE | POLYVINYL CHLORIDE | LOW-DENSITY POLYETHYLENE | POLYPROPYLENE | POLYSTYRENE | All other plastics, including acrylic, fiberglass, nylon, polycarbonate, and polylactic acid (a bioplastic) |
|------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Resin Identification Code |  |  |  |  |  |  |  |
| Abbreviation | PET or PETE | HDPE | PVC | LDPE | PP | PS | OTHER |
| Recyclable? | Commonly Recycled | Commonly Recycled | Sometimes Recycled | Sometimes Recycled | Occasionally Recycled | Commonly Recycled (but difficult to do) | Difficult to Recycle |
| Percentage Recycled Annually |  |  |  |  |  |  |  |
| How Long to Decompose Under Perfect Conditions | 5-10 Years | 100 Years | Never | 500-1,000 Years | 20-30 Years | 50 Years | Majority of these plastics: never Polylactic acid: 6 months |
| Maximum Temperature |  70°C (158°F) |  120°C (248°F) |  70°C (158°F) |  80°C (176°F) |  135°C (275°F) |  90°C (194°F) | Polycarbonate: 135°C (275°F) Polylactic acid: 150°C (302°F) |
| Brittleness Temperature |  -40°C (-40°F) |  -100°C (-148°F) |  -30°C (-22°F) |  -100°C (-148°F) |  0°C (32°F) |  -20°C (-4°F) | Polycarbonate: -135°C (-211°F) Polylactic acid: 60°C (140°F) |
| Toxicity Level |  |  |  |  |  |  |  |
| Most Commonly Leached Toxin(s) | Antimony Oxide, Bromine, Diazomethane, Lead Oxide, Nickel Ethylene Oxide, and Benzene | Chromium Oxide, Benzoyl Peroxide, Hexane, and Cyclohexane | Benzene, Carbon Tetrachloride, 1,2-Dichloroethane, Phthalates, Ethylene Oxide, Lead Chromate, Methyl Acrylate, Methanol, Phthalic Anhydride, Tetrahydrofuran, and Tribasic Lead Sulfate, Mercury, Cadmium, Bisphenol A (BPA) | Benzene, Chromium Oxide, Cumene Hydroperoxide, And Tert-butyl Hydroperoxide | Methanol, 2,6-di-tert-Butyl-4-Methyl Phenol, and Nickel Dibutyl Dithiocarbamate | Styrene, Ethylbenzene, Benzene, Ethylene, Carbon Tetrachloride, Polyvinyl Alcohol, Antimony Oxide, and Tert-butyl Hydroperoxide, Benzoquinone | BPA, BPS, as well as all other toxins mentioned |

Recycle 1 ton of plastic saves 4,000 Lts of Gas

PLASTICS FACTS

Trend Chart



In 2020, a minimum of 4,803.8 million pounds of post-consumer plastic material sourced in the U.S. was recovered for recycling in the categories of Bottles (by resin), Non-bottle Rigid, Film, and Other Plastics (excluding foam).

Since 2019

5.7% Decrease Overall



The categories of Bottles, Non-bottle Rigid, Film and Other Plastics (excluding foam) tracked in previous years, decreased by a combined 290 million pounds in 2020, or 5.7%.

Largest Increase - 0.8%↑

Film

8.0 Million lbs.



Largest Decrease - 16.3%↓

Non-bottle Rigid

206.1 Million lbs.



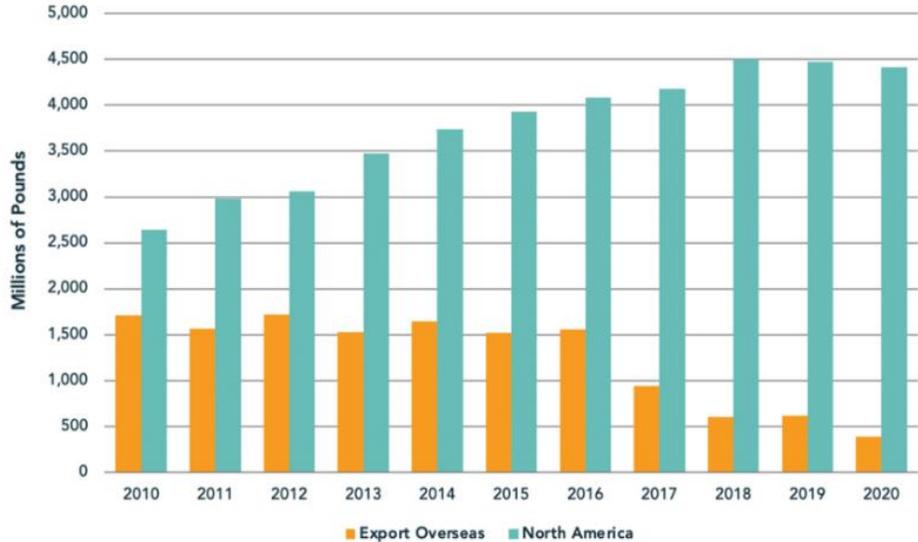
| | | | |
|--------------------|--------------------------------------|---------------------------------|--------------------------------------|
| PP & Other Bottles | 33.4 Millions of pounds | Other Plastics (excluding foam) | 16.5 Millions of pounds |
| HDPE Bottles | 943.2 Millions of pounds | Film | 985.6 Millions of pounds |
| PET Bottles | 1,767.7 Millions of pounds | Non-bottle Rigid | 1,057.4 Millions of pounds |

4.8 Billion lbs.
Bottles, Non-bottle Rigid Plastics, Film and Other Plastics (excluding foam)

PLASTICS FACTS

Trend Chart

U.S. Sourced Post-consumer Plastic Recovered for Recycling by Destination



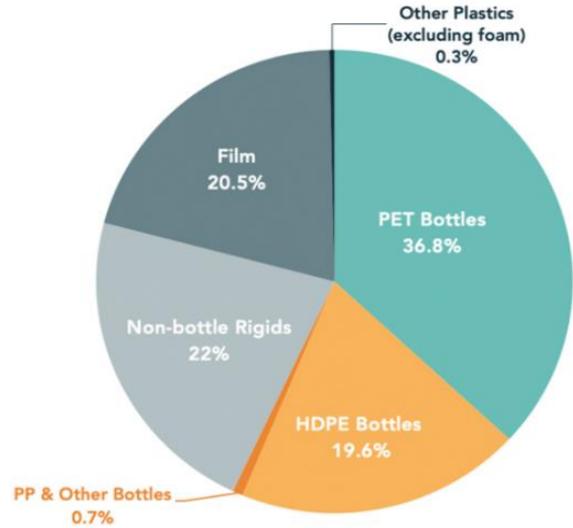
4,417.9
Million lbs.
Reclaimed in
North America

Decades Change



Breakdown

U.S. Sourced Post-consumer Plastic Recovered for Recycling by Category



Bottle Recycling Rates

All Bottle
Recycling Rate
27.2%
Down 1.5 percentage
points from 2019 ↓

PET Bottle
Recycling Rate
27.1%
Down 1.2 percentage
points from 2019 ↓

HDPE Bottle
Recycling Rate
28.8%
Down 2.1 percentage
points from 2019 ↓

U.S. Sourced Post-consumer Plastic % Acquired by North American Reclaimers

| Total | PET Bottles | HDPE Bottles | PP & Other Bottles |
|--------------|-------------------|--------------|---------------------------------|
| 92.0% | 96.5% | 97.9% | 95.3% |
| | Non-bottle Rigids | Film | Other Plastics (excluding foam) |
| | 89.0% | 82.2% | 34.3% |



BIBLIOGRAFIA

- UNO Environment Programme 2021
- Proyecto Libera / SEO-Birdlife y ECOEMBES España
- World Economic Forum (Plastics and the Environment Jun 2022)
- EPA (USA Advancing Sustainable Materials Management: 2022 Fact Sheet)
- Plastic News January 2023 Edition
- OECD Organization Publication Jun 2022
- APR (The Association of Plastic Recyclers) Web based Library
- Plastics Recycling Conference: Supply solutions needed to meet 2025 demand growth projections." WasteDive. March 14, 2022