

Intro Deck · Data certified as of 23 August 2026

BASIC ENVIRONMENTAL SYSTEMS & TECHNOLOGIES, INC.

Fostering Sustainability and Circularity in Waste Management through Behavior Change

“Saving the Environment, while Helping the Community
— One Recyclable at a time.”



Trash to Cashback, in one line

An incentivized segregation-at-source program and platform for multi-stakeholder participation — turning household recyclables into real cashback, and turning that habit into audited, saleable diversion.

01

The Problem

Waste is growing faster than the system that handles it — and the law has changed.

02

The Program

How TTCB works, who takes part, and what makes it stick.

03

Proof at Scale

333 collection points, 20 cities, 11.97 million kg.

04

The Machine

Traceability, certificates and live command centers.

05

The Impact

Certified numbers, with their definitions stated.

06

The Ask

What partnership looks like for you.

01

THE PROBLEM

Waste is outgrowing the system built to handle it.

The Philippines will generate 24.5 million metric tons of waste a year by 2045 — and is already the world's largest source of ocean plastic.



Volume of waste generation, through the years



Left: Solid Waste Management Program, COA Performance Audit Report. Right: Meijer et al. (2021) via science.org — annual ocean plastic emission, metric tons.

Every stage of the chain is under strain

Waste Generation



Urbanization, population
and consumption rising

Little segregation
at source

Backyard burning
and littering

Hauling



Collection rate needs
to increase

Rising hauling costs

Condition of roads

Segregation



Smaller barangay-run
MRFs are closing

Working environment
of sorters

Transport



Logistics: O&M,
truck coding

Distance to sanitary
landfills

Rising hauling costs

Disposal



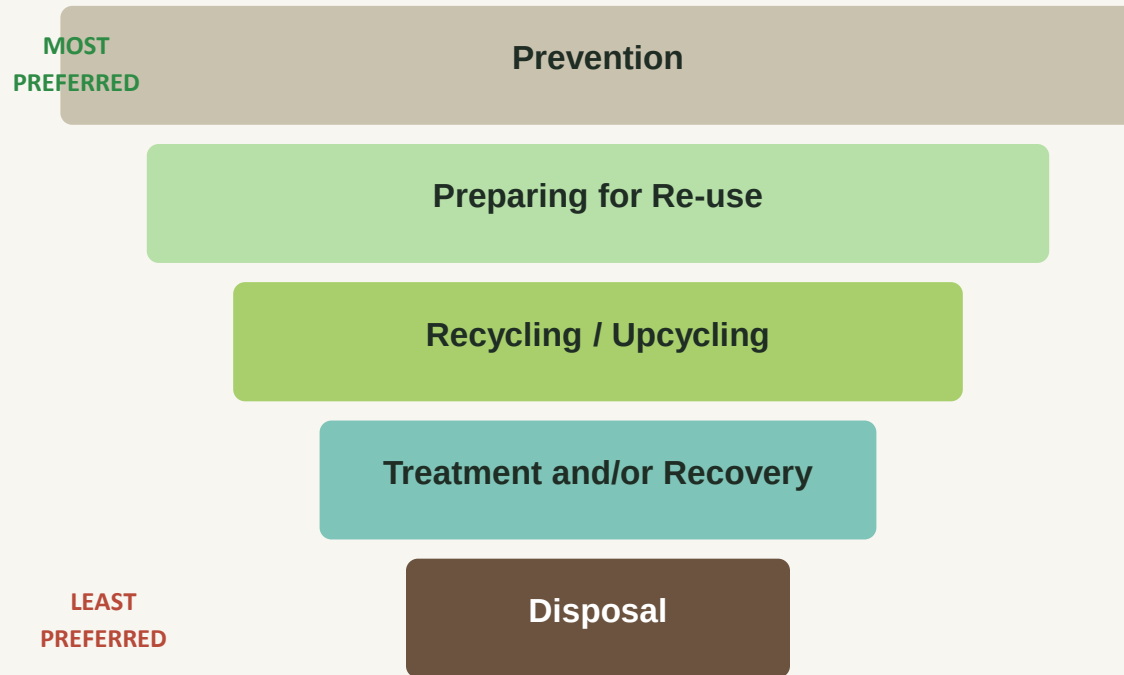
Environmental
compliance

Site conditions

Rising tipping fees

Disposal is the most expensive and least preferred stage — and the one every diverted kilo avoids.

The waste hierarchy, and the two laws that bind it



TTCB operates here — moving material up the hierarchy, out of disposal.

RA 9003 — Ecological Solid Waste Management Act of 2000

- Protection of public health and the environment
- Maximize utilization, conserve and recover valuable resources
- Binds every LGU and barangay to segregate and run an MRF

RA 11898 — Extended Producer Responsibility Act of 2022

- Producers are responsible for their packaging's end of life
- Focuses on the post-consumer stage
- Obligated enterprises must recover a rising share of their footprint

The compliance clock is already running

RA 11898 sets a recovery target as a share of your plastic packaging footprint.



Buying a plastic credit closes the number. It does not change anything on the ground.

TTCB delivers the same compliance through a real community that keeps recovering after the campaign ends — with the chain-of-custody documentation your third-party ECAR audit asks for.

RA 11898 targets are set as a percentage of an obliged enterprise's plastic packaging footprint.

02

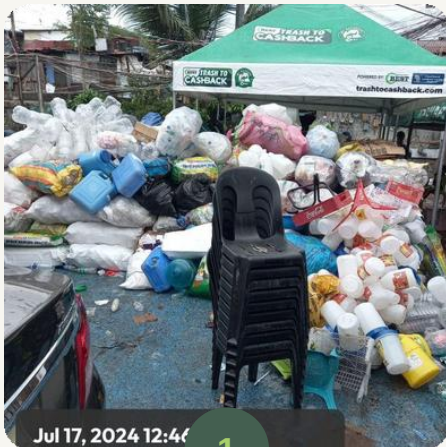
THE PROGRAM

Make the right thing the rewarding thing.

TTCB incentivizes households, micro-retailers and institutions for material they would otherwise throw away — then keeps them coming back.



How Trash to Cashback works



1

Segregate

Households and businesses separate recyclables at source.



2

Exchange

Bring them to an MBE-C hub, kiosk, pop-up or collection drive.



3

Redeem

Environmental Points are credited — 1 EP = ₱1, redeemable.



4

Collect

BEST collects, weighs and consolidates the material.



5

Recycle

Verified partners turn it into new products.

The loop only closes because step 3 incentivizes. Cashback is what converts a good intention into a weekly habit.

Segregate → Exchange → Redeem → Collect → Recycle is the sequence.

Three ways to take part

Everyone in the room fits on one of these rungs.

1

ECO-WARRIOR

A person or household

- Registers once, exchanges any time
- Earns EP on every kilo
- Redeems at bXTRA Partners, TTCB Mart or for Lazada gift cards

19,471 have exchanged to date

2

CHAMPION OF CHANGE

A barangay, business, building or school

- Runs its own collection drive
- Gets a hub, IEC support and materials
- Sees its own tonnage and participation reported back

333 active collection points

3

ECO-PARTNER

A company, organisation or LGU

- Sponsors or hosts a program at scale
- Receives audited diversion data
- Meets RA 9003 or RA 11898 obligations with it

Coca-Cola · Ajinomoto · Otsuka Solar · Shell · Diageo

A household becomes a Champion becomes a Partner. The ladder is the growth engine.

What we accept

Published rates, published list — anyone can check before they come.

PLASTIC							
Assorted PP (Malinis)	10 EP	PET Green (Malinis)	3 EP	HDPE Blow Clear (Malinis)	18 EP	Single-use Plastic / Assorted Plastic	.33 EP
Assorted PP (Marumi)	1 EP	PET Green (Marumi)	1 EP	HDPE Blow Clear (Marumi)	1 EP	Lazada pouch	3 EP
PET Clear (Malinis)	10 EP	PET Bluish (Malinis)	3 EP	HDPE Blow Colored (Malinis)	10 EP		
PET Clear (Marumi)	1 EP	PET Bluish (Marumi)	1 EP	HDPE Blow Colored (Marumi)	1 EP		

							
SINGLE-USE PLASTIC	ASSORTED PP	PET CLEAR	PET GREEN	PET BLUISH	HDPE BLOW CLEAR	HDPE BLOW COLORED	

PAPER							
Plain White Paper	2 EP	Office Wastes / White with print	2 EP	Newsprint (w/o print)	3 EP		
Corrugated Cartons	2 EP	Beverage cartons (Tetra paks)	1 EP	Newsprint (w/ print)	3 EP		
Chipboard / Claycoated / Packaging Boards	1 EP	Paper wastes with heavy plastic lamination or foil	0.25 EP	Lazada box	3 EP		
Assorted / Colored Receipts	1 EP	Paper core/tube	0.75 EP				

							
PLAIN WHITE PAPER	NEWSPRINT (W/ PRINT)	NEWSPRINT (W/O PRINT)	ASSORTED / COLORED RECEIPTS / OFFICE WASTES / WHITE WITH PRINT	CHIPBOARD / CLAYCOATED PACKAGING BOARDS	BEVERAGE CARTONS (TETRA PACKS)	PAPER WASTE W/ HEAVY PLASTIC LAMINATION OR FOIL	CORRUGATED CARTONS

METAL					
Solid A	8 EP	Lata	3 EP	Aluminum Can	20 EP
Solid B (Pundido)	7 EP	Big lata	3 EP		
Assorted	6 EP	Tansan	3 EP		
Bi/Tapa	8 EP	Yero/Galvanized	7 EP		

						
SOLID A	SOLID B (PUNDIDO)	YERO/GALVANIZED	LATA	ASSORTED METAL	TANSAN	ALUMINUM CANS

GLASS	
Amber (Dark Brown)	  
Flint (Clear)	
Green	

Proprietary and Returnable Glass Bottles (RGB) used for liquor and soft drinks are accepted but do not qualify for Environmental Points (EP).

Accepted wastes and exchange rates are published on trashtocashback.com — so the answer to “magkano?” is never a negotiation.

Live rates: trashtocashback.com — Accepted Wastes and Exchange Rates pages.

Cleaner segregation pays more

The rate ladder is the teaching tool — it rewards effort, not just volume.

PET BOTTLE



Mixed / unwashed (marumi)

1 EP/kg

Clean, label-free (malinis)

10 EP/kg



Cap, separated (HDPE)

10 EP/kg

Single-use plastic sachet

0.33 EP/kg

A washed bottle is worth 10× a dirty one. That single fact does more teaching than any poster.

USED BEVERAGE CARTON



As collected

1 EP/kg

Clean, dry, flattened

2 EP/kg



Cap, separated (HDPE)

10 EP/kg

Caps are separated because HDPE and PET recycle into different things — so both are paid separately.

What we actually deliver is a changed community

An EPR program that only recovers its own sponsor's packaging stops the day the funding stops. Ours does not.

1

Packaging recovery is the compliance floor — the number your obligation needs.

2

Behaviour change is the durable product — a household that now sees value in all of its waste.

3

The community keeps diverting across every material, long after a campaign closes.

THREE WINS

The brand

A deeper ESG story than a bought credit — and compliance that keeps performing.

The community

Income, dignity, and a habit that outlasts the program.

BEST

Sustainable diversion, not a one-off campaign spike.

03

PROOF AT SCALE

This is not a pilot. It is a network.

Four years of continuous operation, twenty cities, and nearly twelve million kilos through the system.



The national footprint

Certified from the live program database, 23 August 2026.

333

Active collection points

Across 23 cities and municipalities

20

Cities active this year

With verified exchanges in the last 12 months

11.97M kg

Total materials collected

Since the platform went live in 2022

214,078

Exchange visits

Every one weighed, logged and attributable

Where the volume actually is

Collected in the last 12 months, by city



BACOLOD IS OUR LARGEST OPERATION

909 tonnes across 112 collection points in twelve months — two and a half times Quezon City.

Run as CITWIT — “Clean It, to Win It” — the barangay-level deployment of Basuraffle with the Bacolod City Government and IPM-CDC.

Source: bestrecycling_db — Transactions × Locations × Cities, 12-month window to 2026-08-23. Active point = IsActive, test sites excluded.

MBE-C collection hubs

333 active points — the published map is a fraction of the network.

Bacolod City	142	Quezon City	56	Valenzuela City	33	Makati City	26
Taguig City	25	Pasig City	12	Pasay City	6	Muntinlupa City	5
Mandaluyong City	5	Pateros	4	Manila	3	Bago City	3

Plus 11 more locales: Murcia, Neg. Occ. (2) · Mabalacat (2) · Parañaque City (1) · Santa Rosa (1) · Baguio City (1) · Balanga (1) · Cainta (1) · Caloocan City (1) · Guiguinto (1) · Morong (1) · Malabon City (1)

Metro Manila is the shop window. Negros Occidental is the volume.

Valenzuela holds 33 listed points but moved only 6.7 tonnes this year — a reactivation opportunity, not a loss.

LGU and private sector partnerships



City of Bacolod

CITWIT city-wide barangay program



Quezon City

Full barangay network — 56 points



City of Makati

26 points across 23 barangays



City of Taguig

25 points incl. the EMBO barangays



MMDA

Metro-wide institutional collection



Tindahan Extra Mile

Balik PET Bottle, with Coca-Cola



SariCycle

Ajinomoto sari-sari store challenge



Cartons for Communities

Tetra Pak beverage cartons

Plus Valenzuela City, Pasay City, Pasig City, Muntinlupa City, Mandaluyong City and Camp Aguinaldo.

Our brand programs beat their targets

Live EPR and collection programs, with the KPI each one is measured against.

Tapon to Ipon

Coca-Cola Europacific Aboitiz

PET · 6,500 micro-retailers · 105 points in 12 cities · Year 5

154,280 kg

collected

154%

of KPI

SariCycle

Ajinomoto Philippines

Single-use plastics · 1,493 micro-retailers · 30 points · Year 4

27,605 kg

collected

138%

of KPI

PocariCycle

Otsuka-Solar Philippines

Rigids 74,000 kg + flexibles 16,000 kg · 7 points · Year 2

90,000 kg

collected

100%

of KPI

ACROSS ALL PROGRAMS

7,893

micro-retailers enrolled

271,886 kg

circularity volume

180

collection points

12

cities covered

Every one of these runs through a micro-retailer network — the sari-sari store is the collection point and the teacher.

Shell Select Tapon to Ipon (30 points, 7 cities) in advanced discussion. Figures per the program KPI review, July 2026.

Where the material actually goes

Recovery only counts if someone downstream turns it into something.



PETValue

Bottle-to-bottle PET



ecolop

Flexible plastics



Rural Industrial Corp.

Paper and carton



San Miguel Yamamura

Glass



3J Plasticworld

Rigid plastics



Sentinel UpCycling

Upcycled furniture



Vanson Paper

Paper mill



Polyal Pro Boards

Composite board



Toplun

Textiles and fibre



Papel ni Juan

Recycled paper products



90.9% of everything collected is delivered onward to a verified recycling partner — and every batch is traceable to the point it was exchanged.

Downstream off-takers also include Holcim Geocycle and Republic Cement for residuals unsuitable for material recovery.



Community engagement is the whole job

Over 150 information, education and communication campaigns have been run across 500+ communities — plus 400 BJMP cell leaders and 3,000 participants engaged inside the jail system.

500+

communities

150+

IEC campaigns

160

employees

Where the cashback is redeemed

EP is only worth something if it is easy to use. Three channels, no minimums.



bXTRA Partners

Food, drinks and everyday goods — in store or online, at any bXTRA Partner outlet.



Trash to Cashback Mart

Grocery essentials, ordered through the app and collected or delivered.



Lazada Gift Cards

Shop online or pay bills — the widest-reach option for members.

1 Check your EP

Environmental Points are credited to your bXTRA Account and shown as bXTRA Cashback.

2 Find a partner

Locate the nearest bXTRA Partner store, or open the TTCB Mart page.

3 Choose your items

Add what you need and proceed to check-out.

4 Redeem

Confirm redemption — your cashback covers it. No cash needed.

1 EP = ₱1, redeemable. Members redeem their points — no cash ever changes hands.

Two ready-made formats a sponsor can fund

Both are turnkey: we bring the mechanics, the field team and the reporting.

ECO-MARATHON

Eco Challenge + Eco Milestone · target format

- A collection target per material — e.g. 15 kg HDPE, 25 kg paper, 15 kg cans
- A reward pool the sponsor sets, released as milestones are hit
- Multi-booth deployment across a campus, estate or barangay cluster
- Branded campaign pack, field team and post-campaign tonnage report

Proven: AutoIndustria, June 2026 — 3 materials, 4 booths across BGC and Uptown.

BASURAFFLE

Raffle format · mass participation

- Roughly 1 kg of segregated waste = 1 digital raffle entry
- Sponsor funds the prize pool — rice, groceries, appliances
- Barangays receive their own waste-characterisation data back
- Lowest barrier to first-time participation of anything we run

Live as CITWIT with the Bacolod City Government — our single largest network.

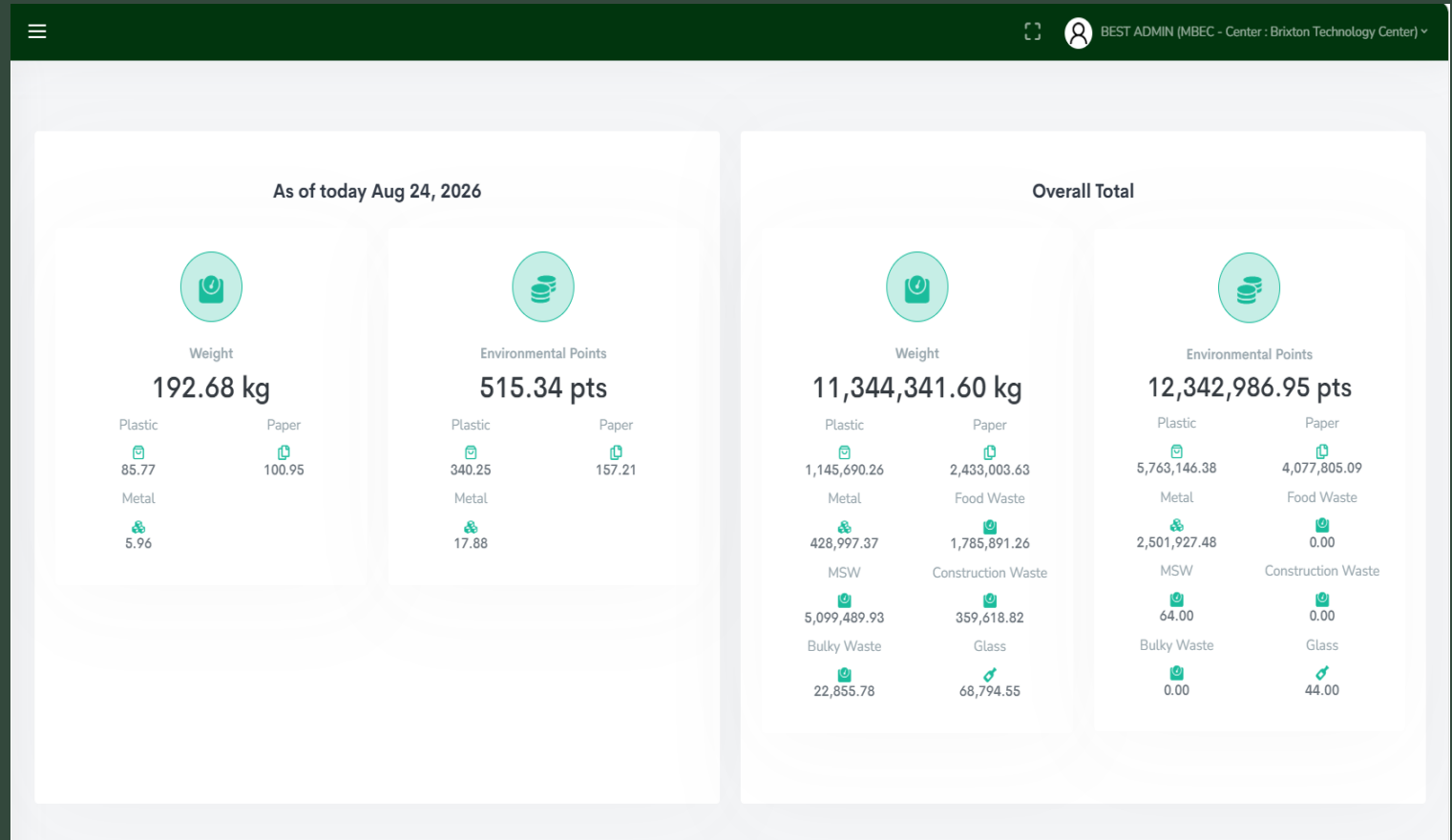
Both formats are how a brand's CSR or EPR budget becomes a working community program.

04

THE MACHINE

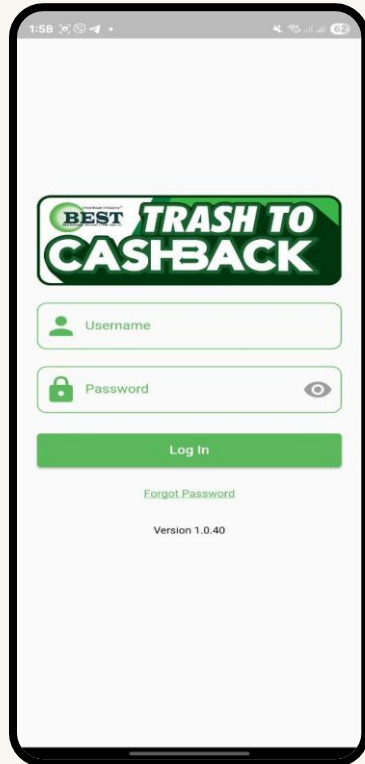
Every kilo is weighed, logged and attributable.

The reporting is not a spreadsheet assembled after the fact — it is the operating system the program runs on.



The information system

Field capture and management reporting, on one spine.



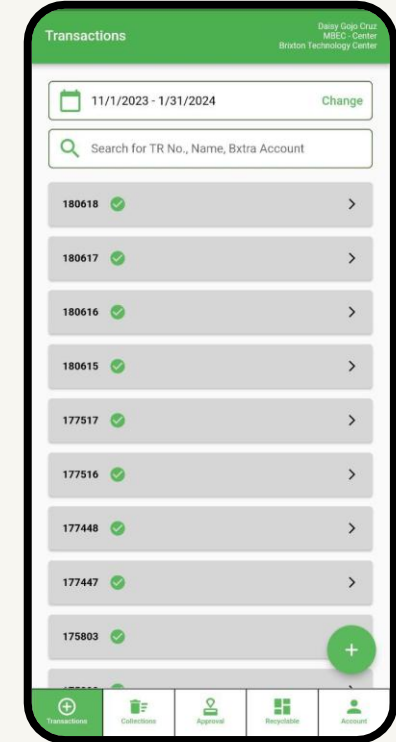
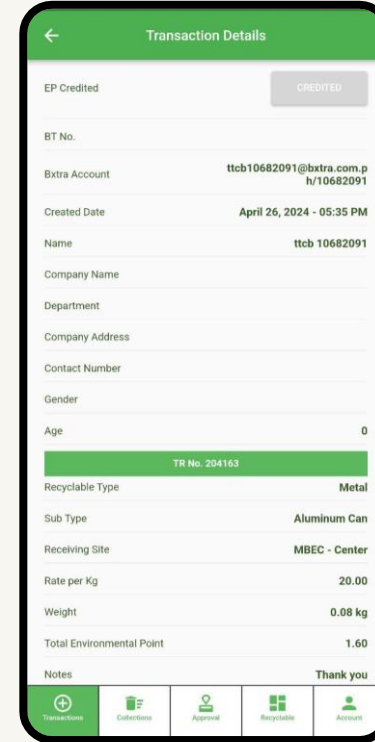
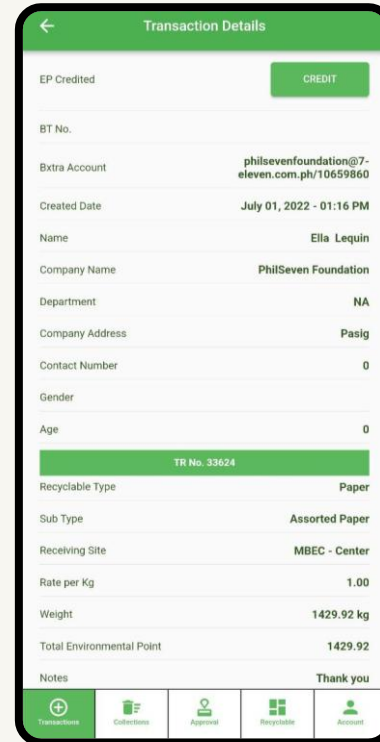
TTCB SR App

Scan, weigh, classify and credit at the point of exchange.



TTCB Data Management System

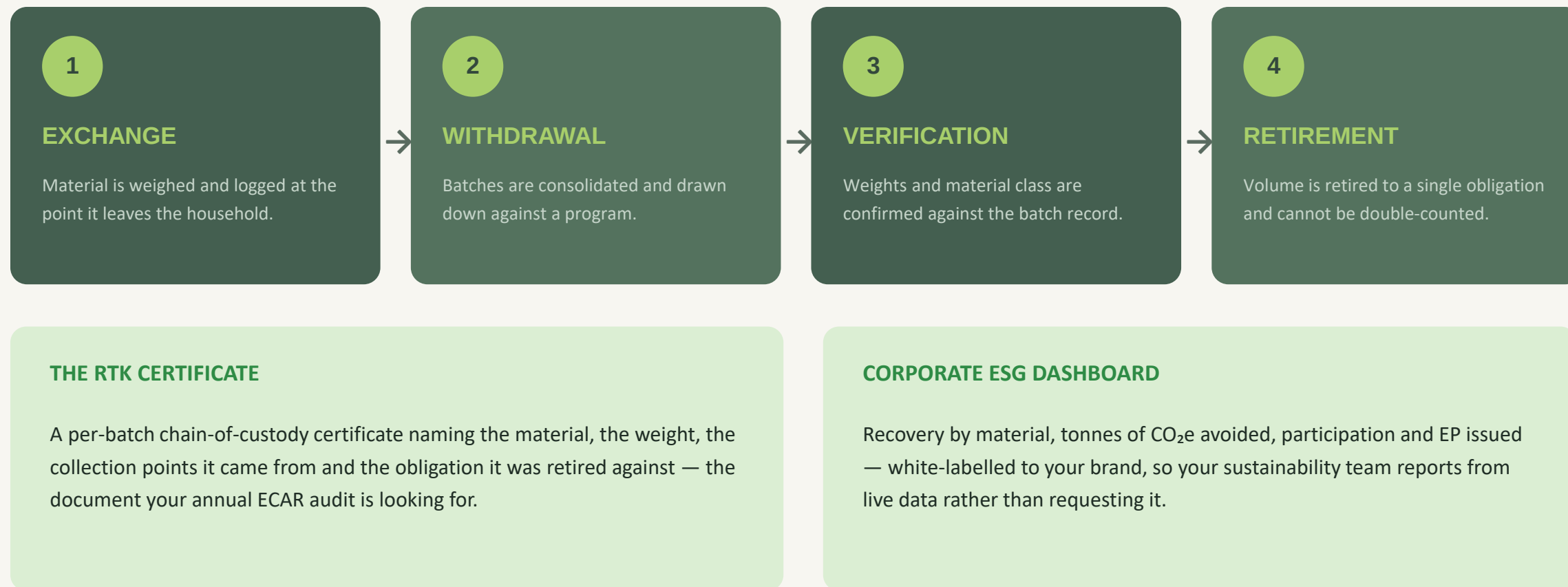
Weight, Environmental Points, material mix and participation — by site, by day, by client, exportable.



Reporting is RA 9003 and RA 11898 ready by construction — not reformatted afterwards.

Chain of custody, end to end

What an obliged enterprise's third-party ECAR audit actually asks for.



Model: Collect → Exchange → Redeem → Recycle, with batch traceability at each hand-off.

Ten live command centers

Every partner sees their own program, on live data, on their own URL.

Mandaluyong City

LGU · city-wide build

Quezon City

LGU · flagship, 7.8K warriors

Makati City

LGU · 23 barangays

Taguig City

LGU · 38 barangays incl. EMBO

Bacolod City

LGU · CITWIT network

Camp Aguinaldo

Institution · live since 2024

Bacolod City College

Campus · department CRM

Project BINS · BGC

Estate · with BGCEA

OCAI · Ortigas Center

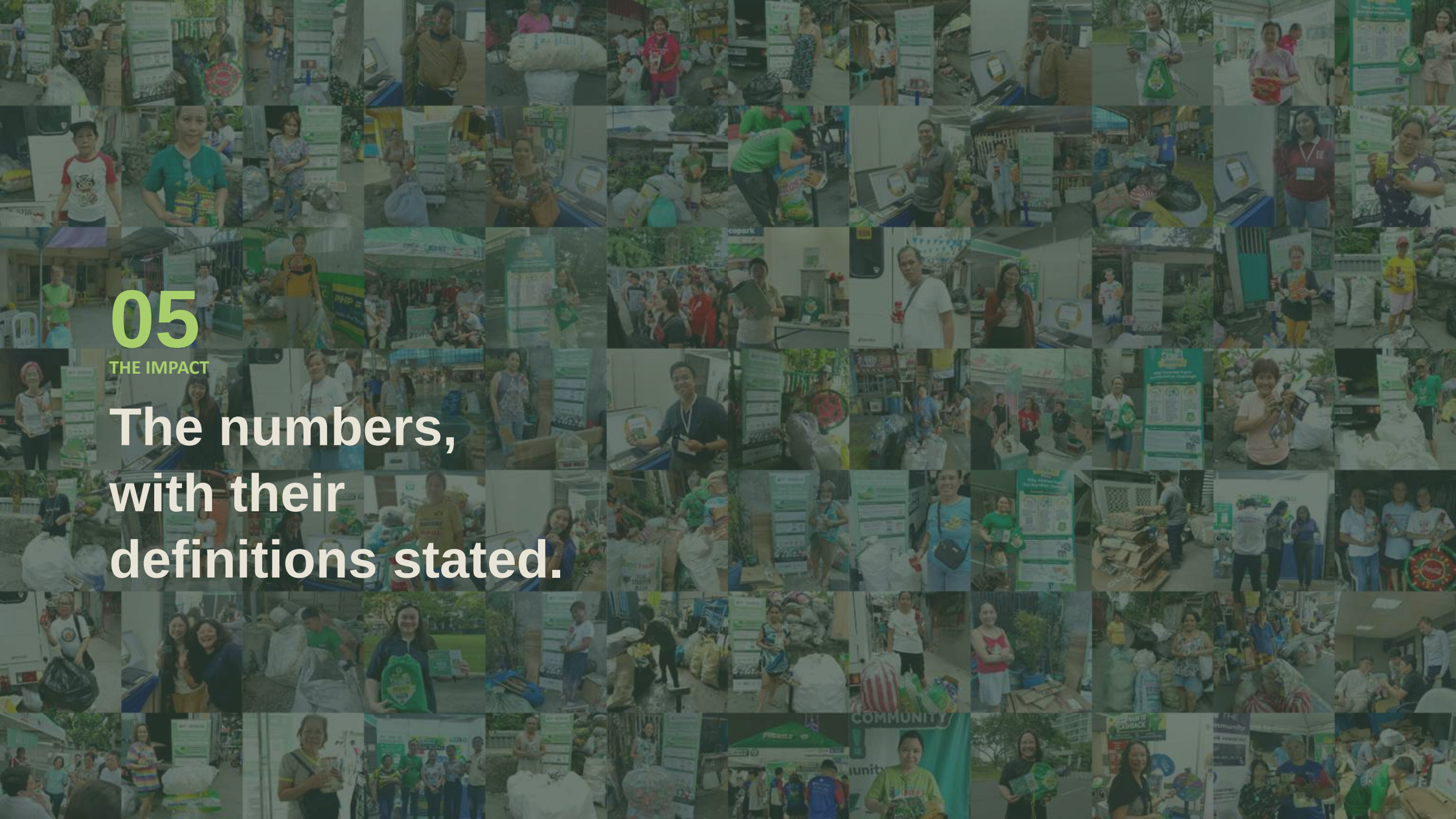
Business estate

PBSP X-Trash

Corporate members

Each one carries live collection data, maps, a shared sprint board and a program builder — gated to that partner. A partnership stops being a quarterly report and becomes something you can open on a Tuesday.

Hosted at <city>.best-ttcb.com · access-gated · uptime-monitored.



05

THE IMPACT

The numbers,
with their
definitions stated.

Certified impact

Program database, 17 August 2022 – 23 August 2026.

11,973,527 kg

TOTAL MATERIALS COLLECTED AND PROCESSED

All streams passing through TTCB collection — recyclables plus residual municipal, food and construction waste.

4,082,104 kg

RECYCLABLES RECOVERED FOR SECOND LIFE

Paper, plastic, metal and glass only — the figure that survives an EPR auditor's definition.

12,364,044

Environmental Points issued

₱12.4M of redeemable value

214,078

Exchange visits recorded

Each one weighed and attributable

2,246,569 kg

Collected in the last 12 months

The current annual run-rate

333

Active collection points

Across 23 cities and municipalities

How many people is that, exactly?

Three different questions, three different honest answers.

81,244

bXTRA members reached

24,715

Eco-Warriors registered

19,471

Eco-Warriors who have exchanged

8,792

Active in the last 12 months

Reached = holds a bXTRA card. **Registered** = signed up to TTCB. **Exchanged** = paid at least once. **Active** = exchanged within the past year.

What that diversion is worth to the climate

Applied emission factors: paper 1.1, plastic 1.5, metal 2.0, glass 0.3 kg CO₂e per kg.

5,281 tCO₂e

avoided by recovering material instead of landfilling or burning it

≈ 1,148

cars taken off the road for a full year

≈ 251,000

trees absorbing carbon for a year

Where the recovered tonnage comes from

Paper



60% of recovered recyclables

2,435t

Plastic



28% of recovered recyclables

1,149t

Metal



11% of recovered recyclables

429t

Glass



2% of recovered recyclables

69t

Plastic and metal are only 29% of the weight but carry 67% of the points paid out.

06

THE ASK

Pick the rung that fits you.

Three ways to start, depending on whether you are an obliged enterprise, a local government, or a community that wants a program of its own.



For brands and obliged enterprises

Module A · RA 11898 compliance that leaves something behind.

WHAT YOU GET

- Audited, attributable diversion against your packaging footprint
- RTK chain-of-custody certificates, batch by batch
- A white-labelled ESG dashboard on live data
- A micro-retailer network that keeps recovering after the campaign

HOW IT RUNS

- We scope the target volume and material mix with you
- We deploy through sari-sari stores, barangays and estates
- Households are paid per kilo — that is what sustains it
- You receive monthly tonnage and an annual audit pack

WHY NOT A CREDIT

- A purchased credit closes a number and changes nothing
- Recovery that depends on a subsidy stops when it stops
- Our programs have run 2, 4 and 5 consecutive years
- Tapon to Ipon and SariCycle both exceed their KPI

Start with one city and one material. We will scope it, quote it per kilo, and report the first tonnage inside a quarter.

For cities and barangays

Module B · RA 9003 performance, without a line in your budget.

WHAT WE BRING

- Collection points, equipment and a trained field team
- IEC campaigns run barangay by barangay
- Waste characterisation data returned to each barangay
- A live command center for your ESWM office

WHAT IT COSTS YOU

- Deployment is sponsor-funded wherever a sponsor is secured
- Communities and schools are currently deployed free
- No procurement of trucks, bins or software
- You provide access, endorsement and a venue

THE PROVEN MODEL

- Quezon City — 56 points, a full barangay network, Bloomberg-recognised
- Bacolod — 142 points city-wide as CITWIT
- Makati, Taguig, Valenzuela, Pasay and Mandaluyong live
- Replicable in a single sprint cycle

Start with three barangays and one IEC cycle. If the tonnage is there, we scale it city-wide on the Quezon City model.

For businesses, schools and communities

Module C • Become a Champion of Change.



Offices and estates

A collection point in your building, staff enrolled as Eco-Warriors, and quarterly diversion reporting for your own ESG disclosure.



Schools and campuses

An Eco-Savers drive per department or year level, with a live leaderboard — and the tonnage reported back to the school.



Retail and F&B

Become a bXTRA Partner: members redeem cashback in your store, bringing repeat footfall you do not pay for per head.



Barangays and villages

A Basuraffle drive or a permanent hub, with waste characterisation data returned to your council.

Champions are deployed free wherever we can. The community is the asset — sponsorship follows it, not the other way round.

What happens next

01

A 45-minute scoping call

We map your footprint, obligation or barangay list against where we already operate, and identify the fastest first win.

This week

02

A written proposal

Target volume, material mix, deployment plan, per-kilo commercials and the reporting pack you will receive.

Within 10 working days

03

A scoped pilot

One city, one material, or three barangays. Instrumented from day one so the tonnage is audit-grade, not indicative.

Inside one quarter

04

Your command center

Live data, your branding, your URL — and a decision to scale based on what it actually shows.

On pilot close

We do not need a signed agreement to start scoping. We need a name, a city and a target.

Transforming wastes. Empowering lives.

“Saving the Environment, while Helping the Community
— One Recyclable at a time.”

Basic Environmental Systems & Technologies, Inc.

614 M. Lerma St., Brgy. New Zañiga
Mandaluyong City, Philippines

trashtocashback.com • bXTRA.ph



Scan to
join as an
Eco-Warrior

Data certified 23 August 2026
against the live program
database