Design
Manufacture
Recycle
with **Intent.**

D6 Overview

Fastest design-to-market plastic manufacturer in the industry

Vertically integrated with transparent closed-loop ownership

Innovative think tank for sustainable plastic and aluminum solutions

Working towards being carbon-negative by 2035+

Circular Action Alliance™

APR®

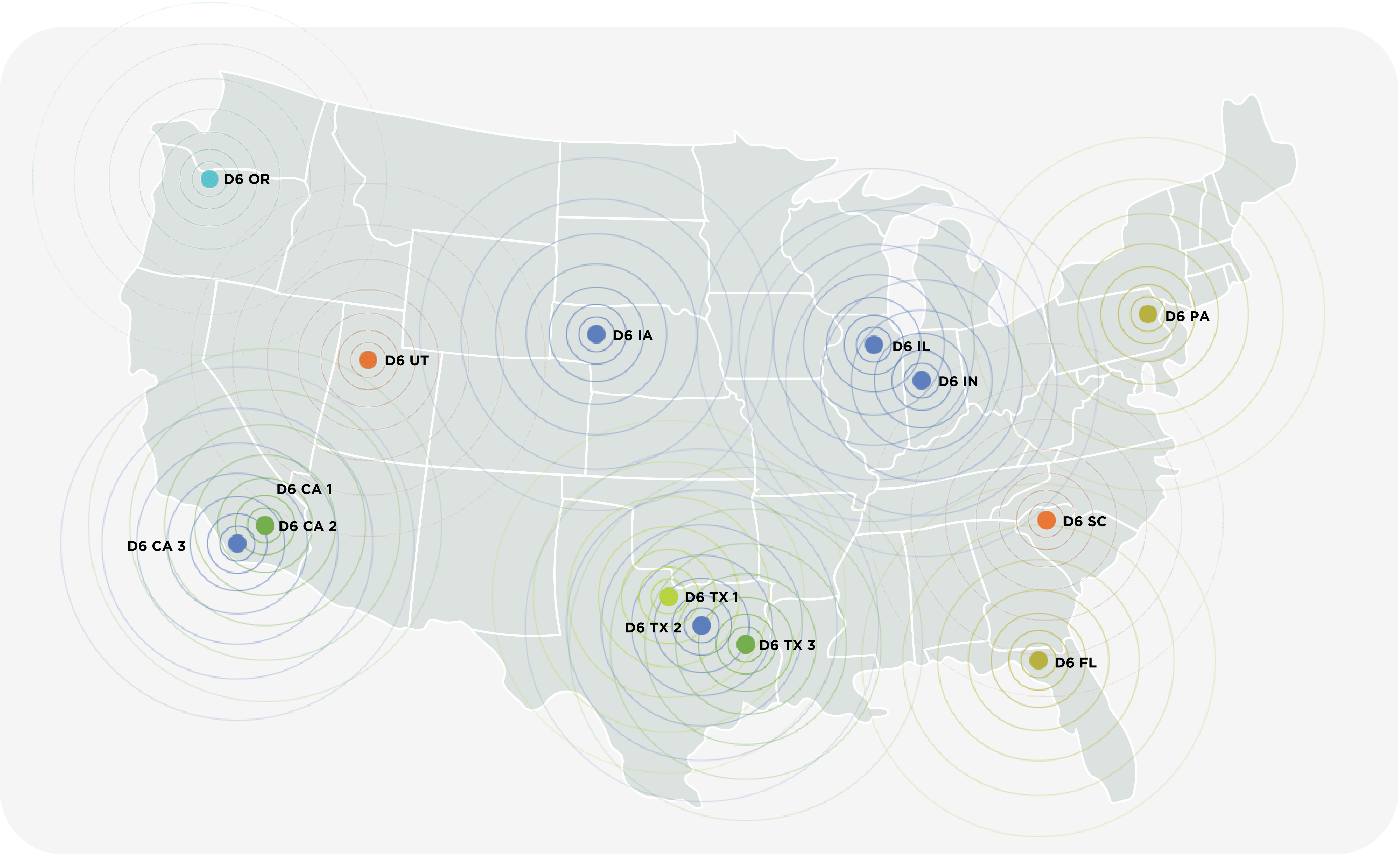
U.S. PLASTICS PACT™

NAPCOR
National Association for PET Container Resources

STAR
State of Texas Alliance for Recycling

A SUSTAINABLE SOLUTION
GreenCircle CERTIFIED®

D6 Current US Network


D6 OR
D6 UT
D6 IA
D6 IL
D6 IN
D6 PA
D6 SC
D6 CA 1
D6 CA 2
D6 CA 3
D6 TX 1
D6 TX 2
D6 TX 3
D6 FL

Recycling
D6 TX 3
D6 CA 2

Recycling + Manufacturing
D6 TX 1

Recycling + Manufacturing + Distribution
D6 OR

Manufacturing + Distribution
D6 CA 3
D6 TX 2
D6 IL
D6 IA
D6 IN

Distribution
D6 UT
D6 SC

Pending
D6 PA
D6 FL

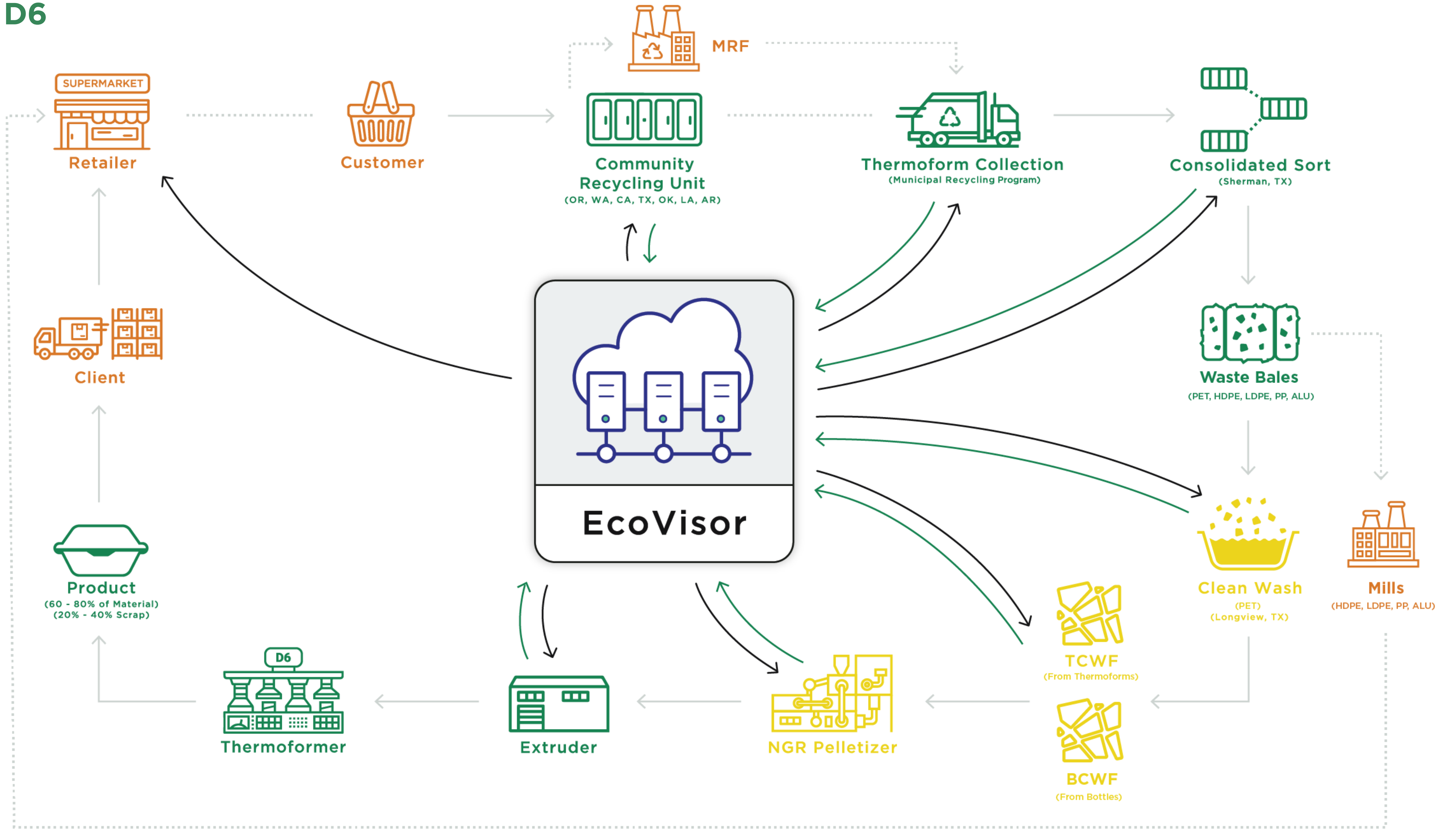
Confidential

TCWF / RPET

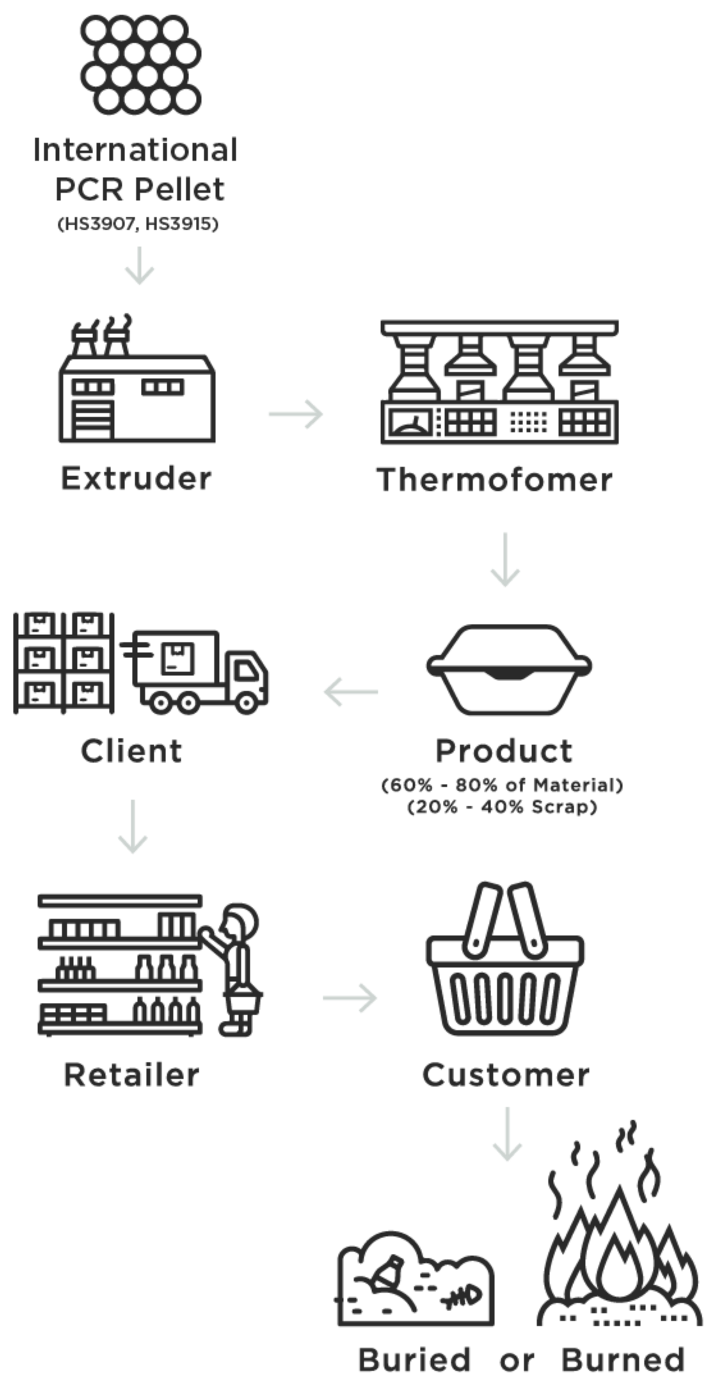
D6 vs Industry

- ● **Competitors**
- ● **D6**
  - ● Wash Line process
  - ● Controlled and Vertically Integrated

D6


SUPERMARKET
Retailer
Customer
MRF
Community Recycling Unit
(OR, WA, CA, TX, OK, LA, AR)
Thermoform Collection
(Municipal Recycling Program)
Consolidated Sort
(Sherman, TX)
Client
EcoVisor
Waste Bales
(PET, HDPE, LDPE, PP, ALU)
Product
(60 - 80% of Material)
(20% - 40% Scrap)
Clean Wash
(PET)
(Longview, TX)
Mills
(HDPE, LDPE, PP, ALU)
TCWF
(From Thermoforms)
D6
Thermoformer
Extruder
NGR Pelletizer
BCWF
(From Bottles)

Competitors


International PCR Pellet
(HS3907, HS3915)
Extruder
Thermofomer
Client
Product
(60% - 80% of Material)
(20% - 40% Scrap)
Retailer
Customer
Buried or Burned

Confidential

Pending State & Federal Legislation

Legend:

CAA States (Passed EPR Legislation)

Pending (Introduced EPR Legislation)

Federal Pending Legislation

SB 54

Cut By

25%

Single-use plastic Packaging

Foodware

Recycle

65%

Single-use plastic Packaging

Foodware

Ensure

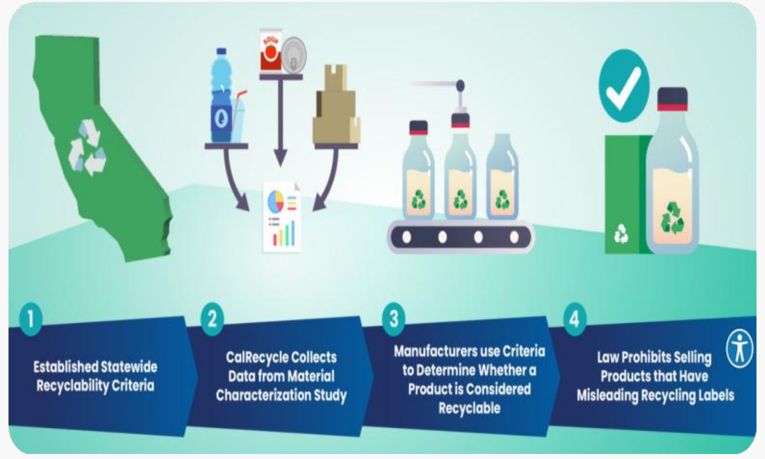
100%

Recyclable or Compostable

Plastic Foodware

SB 343

Truth in Recycling and Labeling Law


1 Established Statewide Recyclability Criteria
2 CalRecycle Collects Data from Material Characterization Study
3 Manufacturers use Criteria to Determine Whether a Product is Considered Recyclable
4 Law Prohibits Selling Products that Have Misleading Recycling Labels

January 2025
New York
Packaging Reduction and Recycling Infrastructure Act and the Bigger Better Bottle Bill reintroduced to Senate

February 2025
EPA
STEWARD Act of 2025 approved

Pending
Tennessee
Waste to Jobs Act; Waste Reduction and Recycling Act

March 31, 2025
Oregon
Producers start reporting

PET Thermoforms $0.55 -.74/lb

Pending
Washington
HB 1150 (EPR);
HB 1071 (recycling needs assessment)

June 2025
SEC

July 1, 2025
Oregon
EPR program begins, Producers are assessed fees

Jan 1, 2026
Colorado
Producers begin paying fees

Mid 2026
Maine
First producer payments 180 days after Stewardship Org is selected

Jan 1, 2027
California
EPR program begins

MADE IN USA

Jan 1, 2029
Minnesota
EPR program begins

** https://www.plasticsnews.com/news/us-shifts-plastics-treaty-position-back-production-limits

**https://dart.deloitte.com/USDART/home/publications/deloitte/heads-up/2024/sec-climate-disclosure-requirements-ghg-emissions-executive-summary

** https://static1.squarespace.com/static/64260ed078c36925b1cf3385/t/675367976db4842d3ae3ce43/1733519262653/Final_OR_PP3.pdf

Confidential

3rd & Final Draft Fee Proposal From CAA Oregon Plan – Dec 6, 2024

EPR Fees on Packaging

Empty Package Weight (WT.)

Material

Draft Low/High Fees based upon material & package weight

See reference link below

Pkg WT.
4.4 oz.
Paper – Paperboard

★★★★☆ (295)

$\$5^{99}$ $.01

SNAP EBT

General Mills Fruity Cheerios Large Size Cereal
14.2 oz

Pkg WT.
4.8 oz.
PET – #1 Clear

★★★★½ (17607)

$\$5^{99}$ $.05 to $.07

SNAP EBT

Coca-Cola Classic Soda Bottles
6-pack / 16.9 oz

Pkg WT.
4.4 oz.
HDPE – #2 Colored

★★★☆☆ (41)

$\$3^{29}$ $.06 to $.07

SNAP EBT

Kroger Vitamin D Whole Milk Gallon

Oregon Plan

Pkg WT.
15.4 oz.
HDPE – #2 Colored

★★★★☆ (295)

$\$19^{99}$ $.18 to $.24

SNAP EBT

Tide Original Scent Laundry Detergent
132 fl oz

Pkg WT.
1.5 oz.
PP – #5 Containers

★★★★½ (17607)

$\$4^{99}$ $.03 to $.04

SNAP EBT

Simple Truth Organic Plain Nonfat Greek Yogurt Tub
32 oz

Pkg WT.
4 oz.
Paper / Fibre Gable Top

★★★☆☆ (41)

$\$3^{99}$ $.07 to $.10

SNAP EBT

Simple Truth Organic 2% Reduced Fat Milk Half Gallon
½ gal

Gary Cohen
Volunteer Outreach Director
Reimagine Packaging Tennessee

Oregon RMA Fees

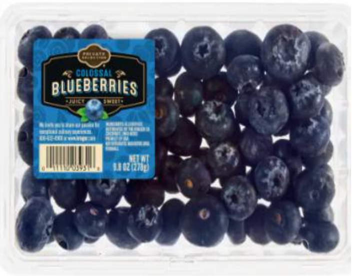
Pkg WT.
10 oz.
Plastic- Rigid PP

$\$3^{00}$ $.01 to $.05

SNAP EBT

Fresh Cut Mixed Melon

Pkg WT.
9.8 oz.
Plastic – Rigid PET



★★★☆☆ 3.3 (46)

$\$6^{99}$ $.04 to $.08

SNAP EBT

Private Selection Fresh Colossal Blueberries

Aluminum Containers
$0.04-0.05/lb
(Plus Container deposit $0.10/can)

Glass
$0.02-0.06/lb

Paper/ Fiber Packaging
$0.07-0.77/lb

Plastic – Rigid PET
$0.15-0.35/lb

Steel Containers
$0.05-.006/lb

** https://www.oregon.gov/deq/recycling/pages/local-government-needs.aspx ;https://www.oregon.gov/deq/recycling/Documents/rmaLocalGovtPres0324.pdf

https://static1.squarespace.com/static/64260ed078c36925b1cf3385/t/67ab6ee9a36d3b7c23fb3196/1739288301805/CAA+CO+Program+Plan+_Final_SUBMITTED.pdf

Qualifications vs. D6 Commitments

REM Qualifications for CAA

REM Requirements

Compliant

(labor, health, and safety requirements)

All necessary permits for REM status are underway for the new Omni Recycling Center, our wash facility in Longview

Transparent

(auditable, chain of custody tracking from intake to output)

We are already doing this with EcoVisor: track material from pickup to production; also allowing customers to use this tech to enhance tray-to-tray recycling

Environmentally-sound

(auditable, safe, water treatment)

Not only are we diverting tons of waste from landfills with our CRU program, our Omni Recycling Center has a self-contained water treatment system: no water gets pulled from municipal systems and runoff is not put back into local systems

Achieves Adequate Yields

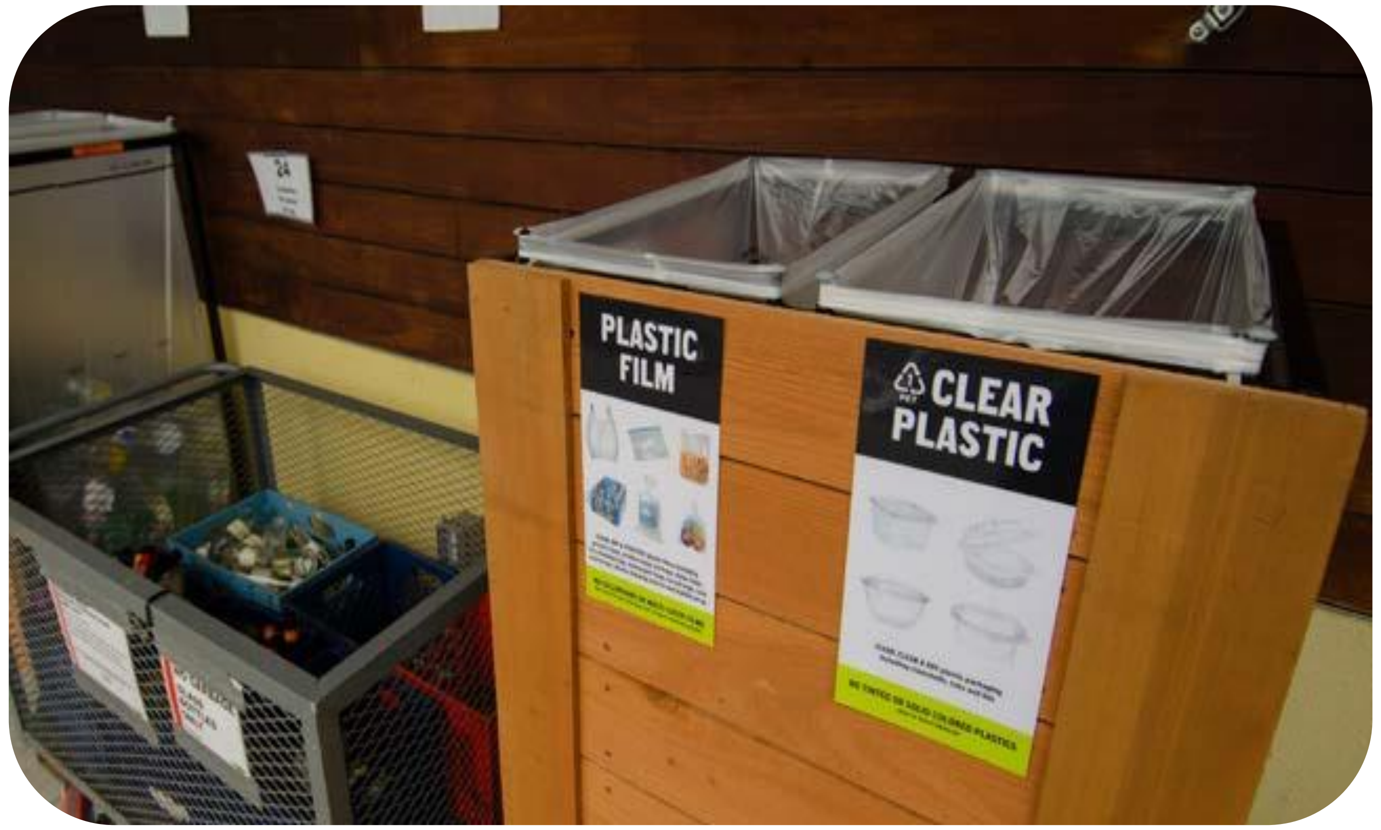
(at least 60%, D6 is at 90%)

The baseline 60% recyclability is being blown away by our rates that are consistently above 90%; our most recent CRU collection showed an average 95% yield

Portland Area Grocer

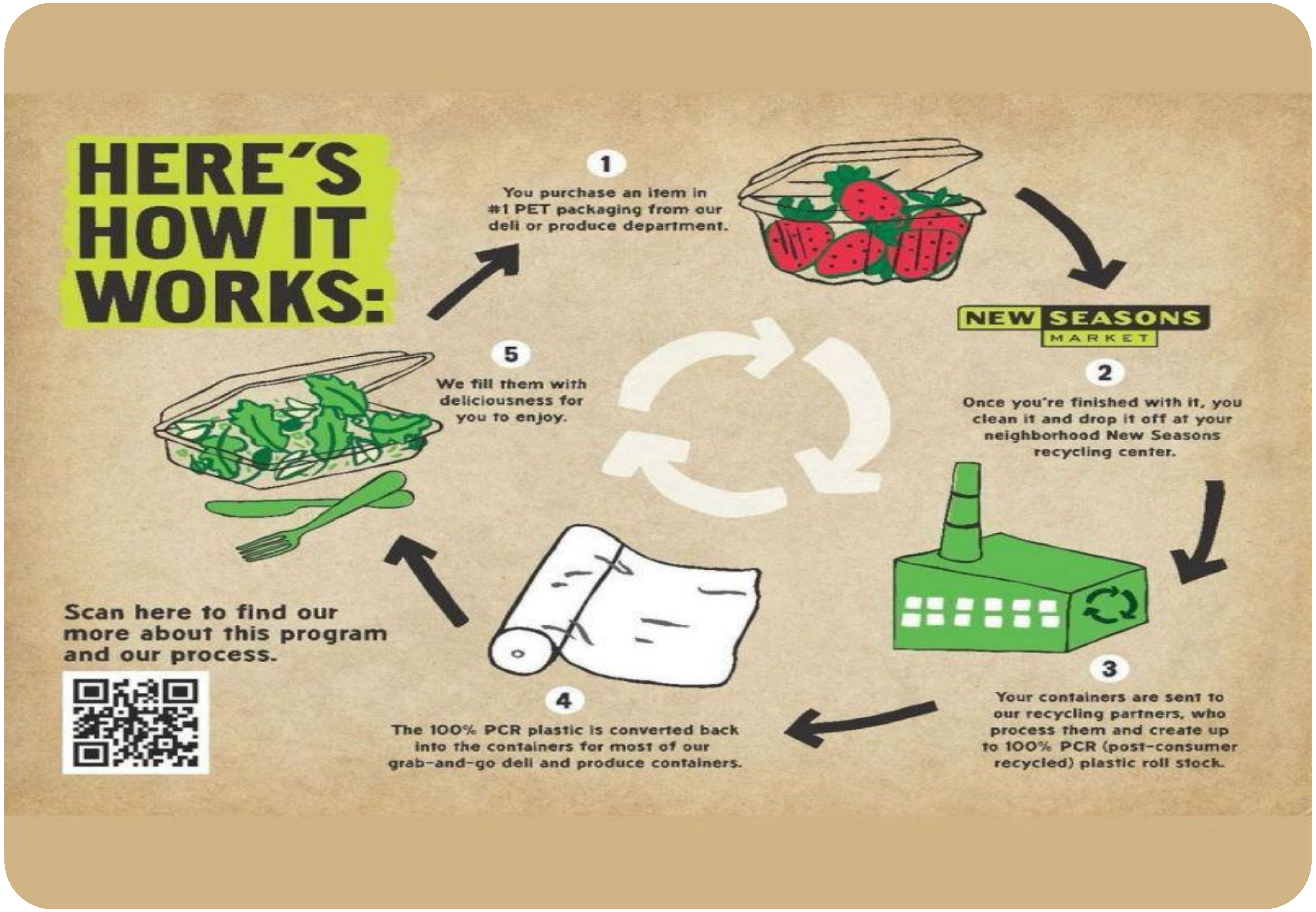
New Seasons Recapturing Program

NEW SEASONS
MARKET
The Friendliest Sto
RESERVED PARKING


PLASTIC FILM
CLEAR PLASTIC

PLASTIC FILM
CLEAR PLASTIC

New Seasons In-House Thermoform Recycling Program



HERE´S HOW IT WORKS:

1 You purchase an item in #1 PET packaging from our deli or produce department.

2 Once you're finished with it, you clean it and drop it off at your neighborhood New Seasons recycling center.

3 Your containers are sent to our recycling partners, who process them and create up to 100% PCR (post-consumer recycled) plastic roll stock.

4 The 100% PCR plastic is converted back into the containers for most of our grab-and-go deli and produce containers.

5 We fill them with deliciousness for you to enjoy.

Scan here to find our more about this program and our process.

500,000+ lbs/
240+ tons recycled
since 2022

173,500+ lbs/
90+ tons
PCR containers
manufactured
(**100% PCR in 2024**)

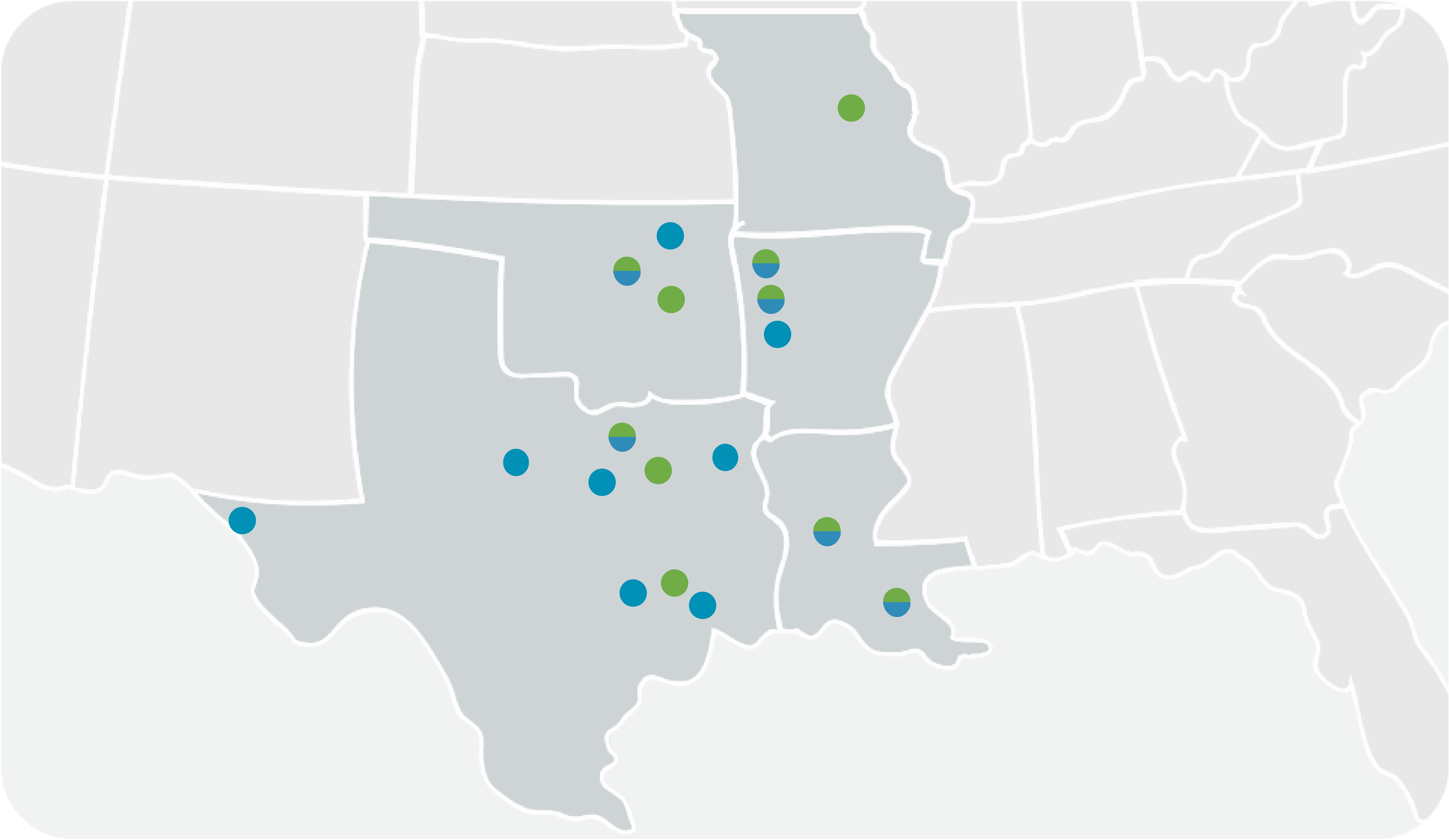
2024:
36.1 mt CO2 offset

https://walmartsustainabilityhub.emissionscalculators.walmart.com/main/home/GSF/eng/energy

Community Recycling Units

CRU Recapturing System

● **Partner 1** | ◐ **Partner 1 & 2** | ● **Partner 2**



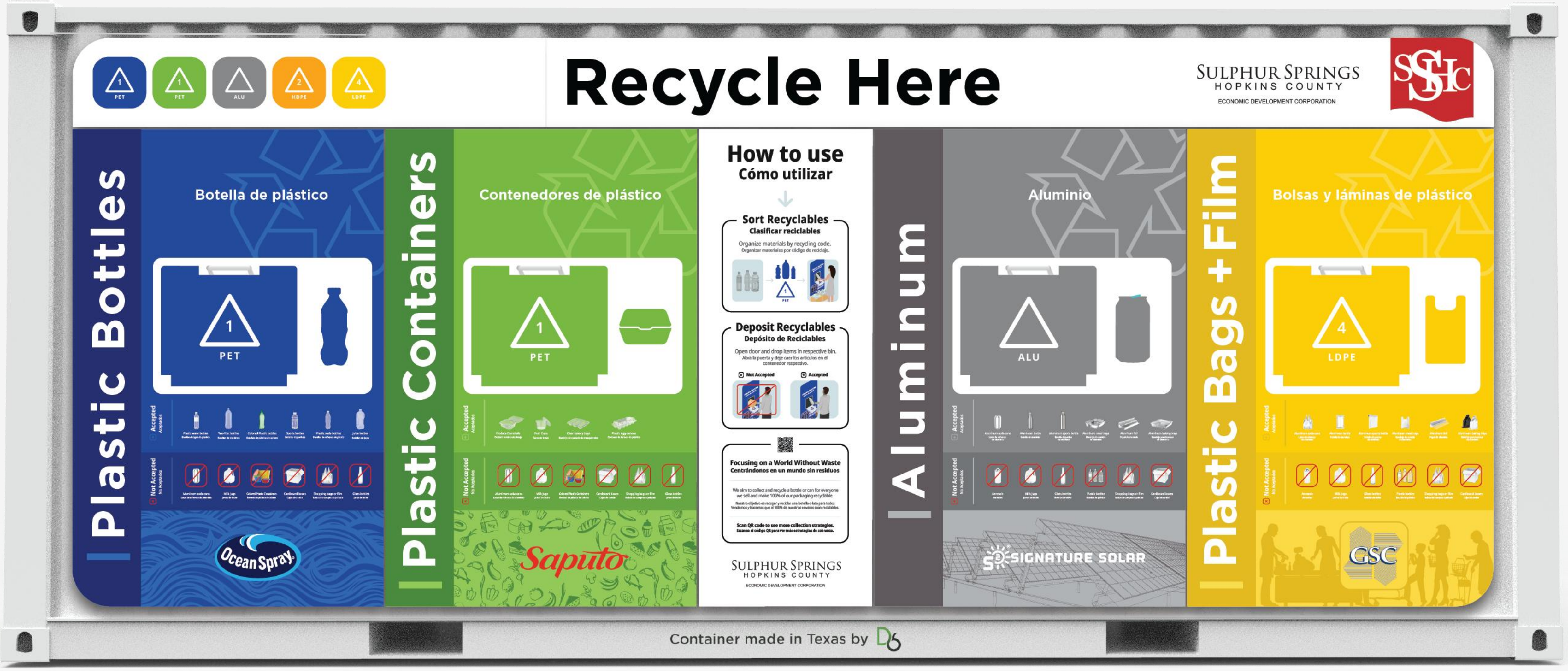
Locations	Partner 1	Partner 2	Total
Texas	9	14	23
Arkansas	3	4	7
Oklahoma	7	7	14
Louisiana	7	5	12
Missouri	2	0	2
Puerto Rico	3	0	3
Total	**31**	**30**	**61**

Confidential

Medium (20 ft. container)

Community Recycling Unit (CRU)

Sponsorships to offset costs | Highlight community and local businesses | Customization available


PET
PET
ALU
HDPE
LDPE
Recycle Here
Sulphur Springs
Hopkins County
Economic Development Corporation
SSHC
Plastic Bottles
Botella de plástico
PET
Ocean Spray
Plastic Containers
Contenedores de plástico
PET
Saputo
How to use
Cómo utilizar
Sort Recyclables
Clasificar reciclables
Deposit Recyclables
Depósito de Reciclables
Sulphur Springs
Hopkins County
Aluminum
Aluminio
ALU
Signature Solar
Plastic Bags + Film
Bolsas y láminas de plástico
LDPE
GSC
Container made in Texas by D6

8 Doors, 6 Material Streams

1 PET	1 PET	2 HDPE
Plastic Bottles	Clear Plastic Containers	Home Cleaning & Beauty Bottles
4 LDPE	5 PP	ALU
Plastic Bags & Films	Rigid Food Packaging	Aluminum

20′ X 8.5′ X 8’ (4 Parking Spaces)

Community Recycling Program

Cost Comparison

Community Recycling Unit

- Accessible to entire City
- Lowest cost option: $0.19/resident (16,969** residents in HC)
- Potentially zero cost to taxpayers
- First Rural Market Recycling Program in Texas

Cost Comparison

based on population and household data for municipal recycling services

- Dallas : $16/resident/mo
- Little Rock : $12/resident/mo
- Oklahoma City: $11/resident/mo
- New Orleans: $10/resident/mo
- Albuquerque: $8/resident/mo

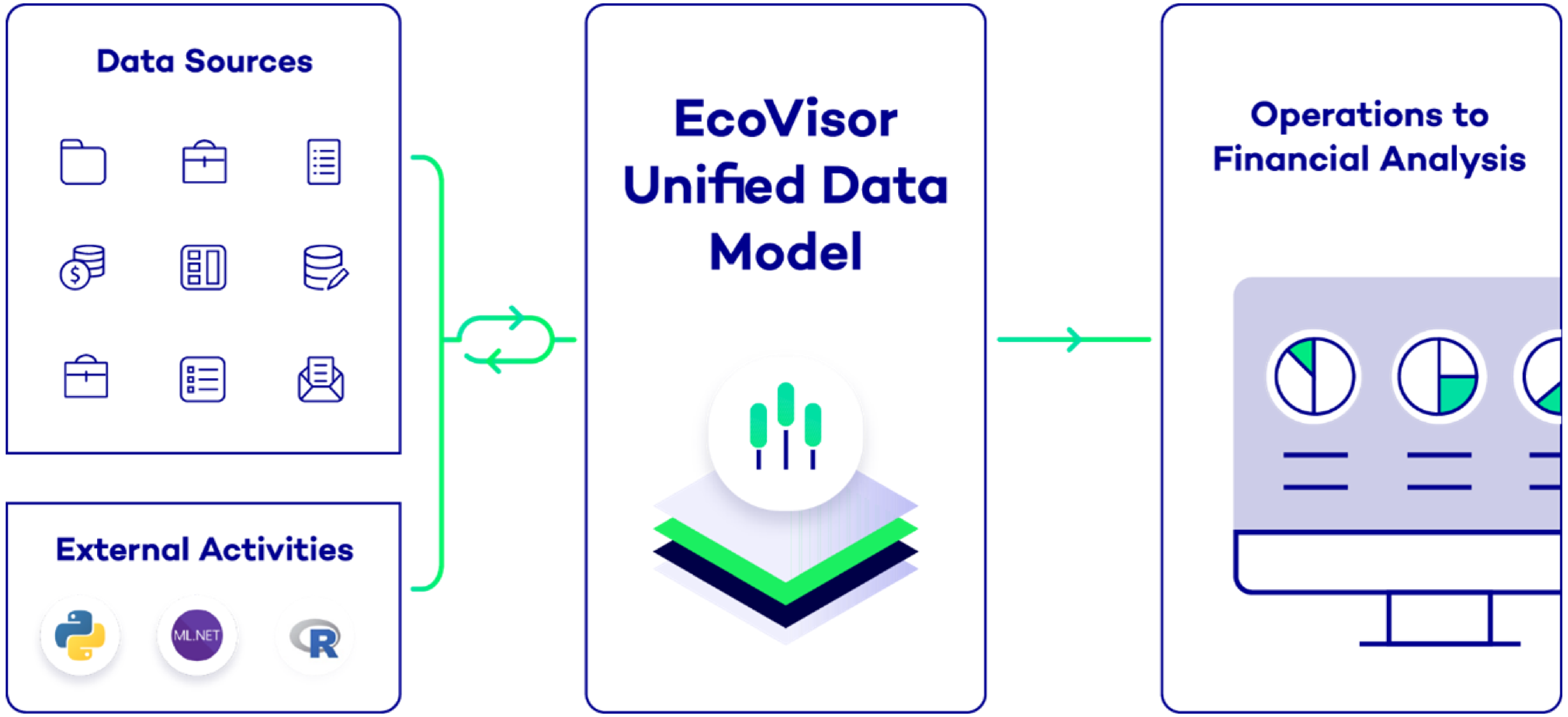
Additional Benefits

- Paid advertisement for businesses to participate
- Access for all community types (rural, suburban, urban areas)
- Community-driven
- Auditable data reporting (EcoVisor)
- CRU costs per consumer: $2.28 vs. $219.96 annually in TX
- 98.9% cheaper to operate CRU vs. curbside recycling program
- Collected, Recycled, and Remanufactured in Texas
- Extends life of landfills

The EcoVisor Platform

EcoVisor is a software-as-a-service (SaaS) platform which amplifies and automates the flow of data and analytics across multiple applications and data sources utilizing a unified data model.

- Unified & open architecture (UDM)
- Enhances data utilization / cleansing
- Collaborates with external ecosystem
- Delivers analytics expertise
- Commercially deployable, ready to use
- Microsoft Azure-based
- Bi-directional API



Data Sources

External Activities

EcoVisor Unified Data Model

Operations to Financial Analysis

Strategic Benefits of EcoVisor Platform

All of your data in one place. Create a universal view for your entire organization.

Unify Your Data

Easily unify disparate data sources into one all-encompassing workspace.

Analyze For Insight

Refine and analyze your data as a team to enable better, faster decision-making.

Visualize For Understanding

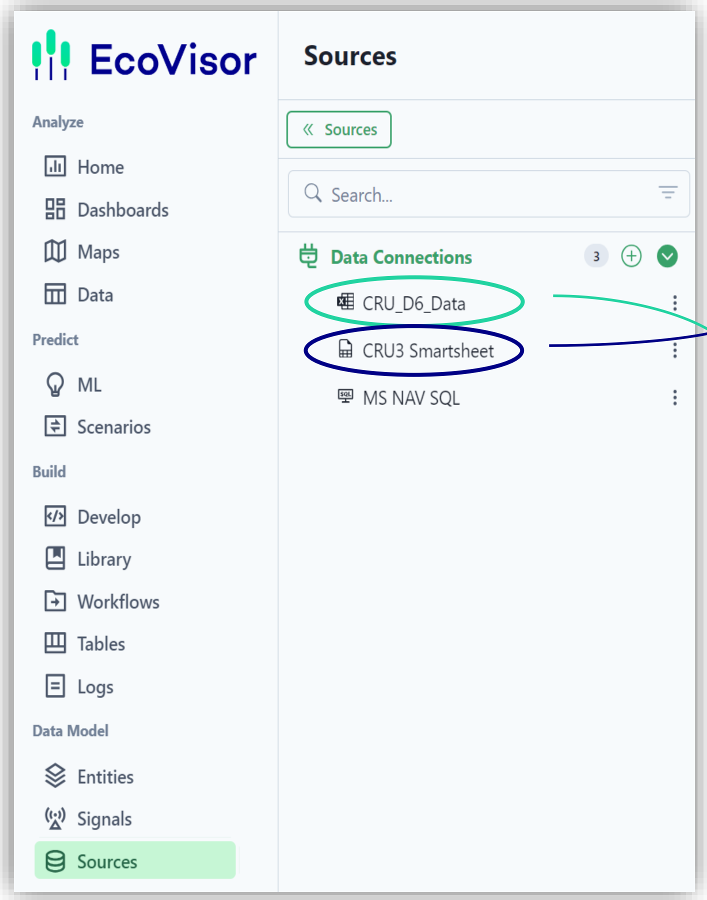
Apply business logic and outcomes defined by your organization to create powerful visualizations.

Optimize For Action

Contextualize your data to deliver insight for action.

CRU Data

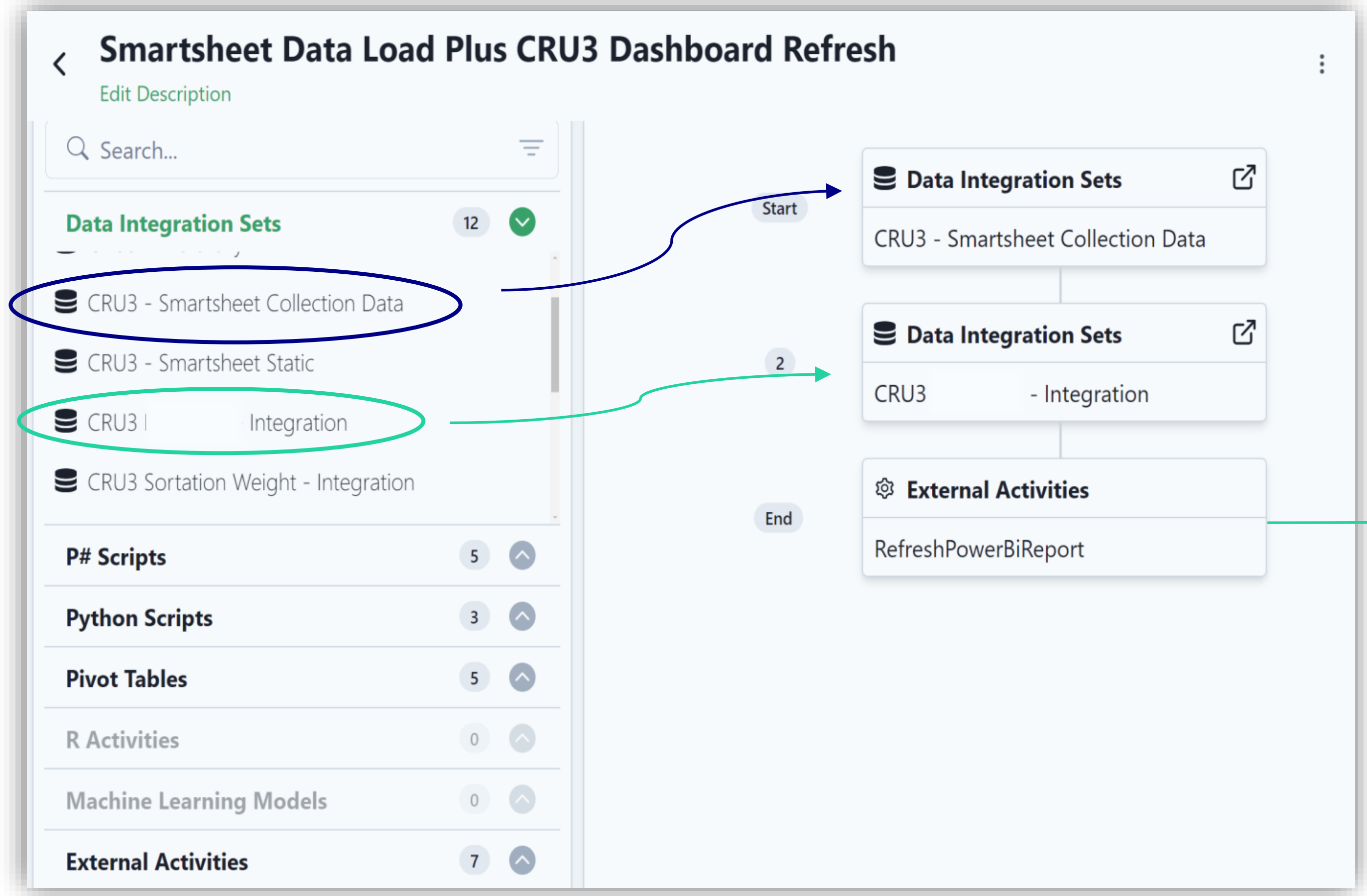
Step 1. Data connection


EcoVisor
Sources
Analyze
Home
Dashboards
Maps
Data
Predict
ML
Scenarios
Build
Develop
Library
Workflows
Tables
Logs
Data Model
Entities
Signals
Sources
« Sources
Search...
Data Connections
3
CRU_D6_Data
CRU3 Smartsheet
MS NAV SQL

Connect to different data sources:

- Excel
- Smartsheet
- SQL (Financials)

Step 2. Run data integration workflows

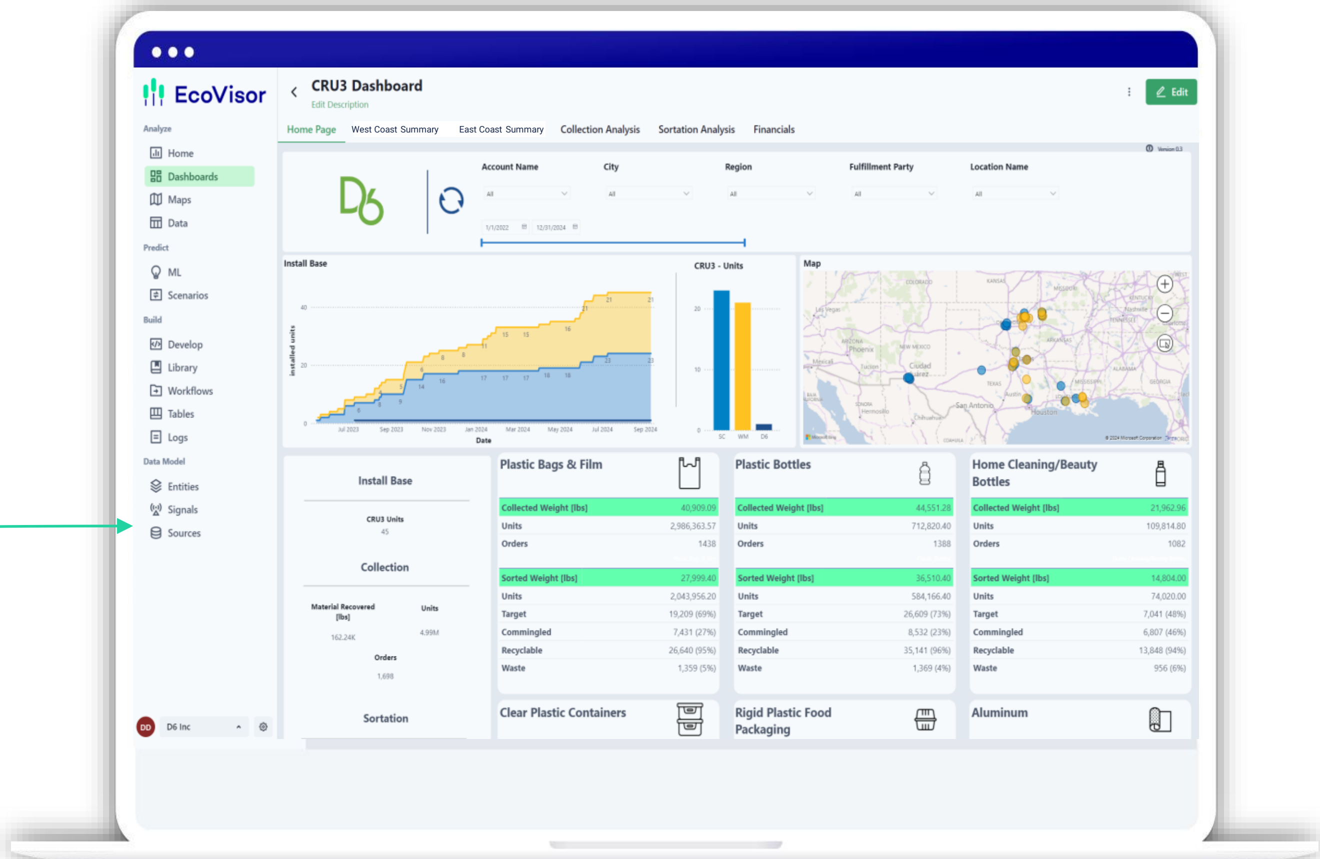

Smartsheet Data Load Plus CRU3 Dashboard Refresh

Edit Description
Search...
Data Integration Sets 12
CRU3 - Smartsheet Collection Data
CRU3 - Smartsheet Static
CRU3 Integration
CRU3 Sortation Weight - Integration
P# Scripts 5
Python Scripts 3
Pivot Tables 5
R Activities 0
Machine Learning Models 0
External Activities 7
Start
Data Integration Sets
CRU3 - Smartsheet Collection Data
2
Data Integration Sets
CRU3 - Integration
End
External Activities
RefreshPowerBiReport

Create advanced workflows using no-code to low-code environment with building blocks. Workflows can automate the routine and be executed with various schedules.

Current CRU solution is executed weekly (on Mondays)

Step 3. Visualise results


EcoVisor
CRU3 Dashboard
Home Page
West Coast Summary
East Coast Summary
Collection Analysis
Sortation Analysis
Financials
Install Base
Map
Collection
Sortation
Plastic Bags & Film
Plastic Bottles
Home Cleaning/Beauty Bottles
Clear Plastic Containers
Rigid Plastic Food Packaging
Aluminum

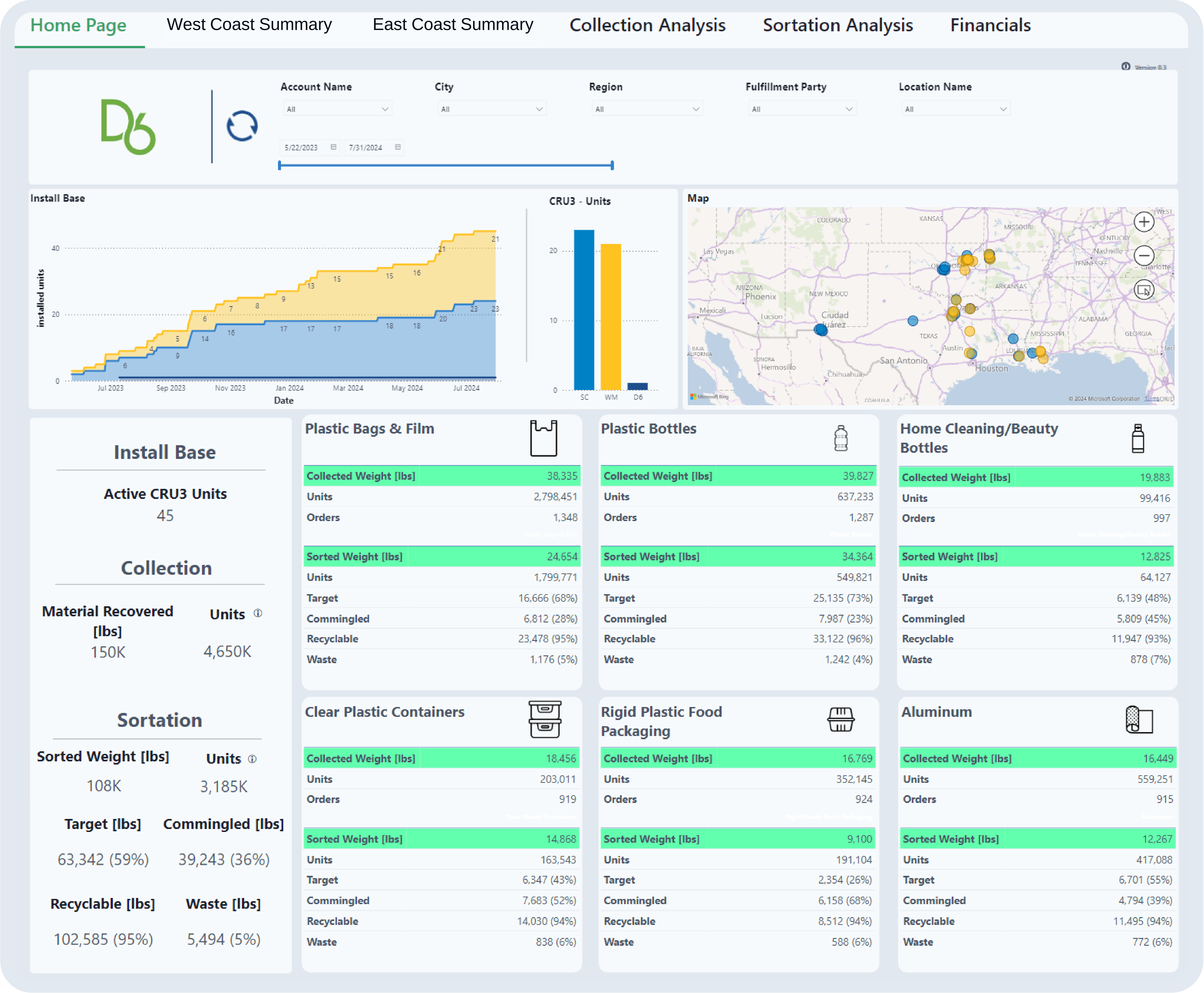
Visualise operational and Financial data on custom-built dashboard. Dive deeper into analysis of Collection, Sortation and Financial data.

The EcoVisor Platform

CRU Dashboard

Can fully customize dashboards and reports based on criteria you select.

Collection data is uploaded by D6 and instantly available for analysis.


Home Page
West Coast Summary
East Coast Summary
Collection Analysis
Sortation Analysis
Financials
Version 0.3
Install Base
installed units
Date
Jul 2023
Sep 2023
Nov 2023
Jan 2024
Mar 2024
May 2024
Jul 2024
CRU3 - Units
SC
WM
D6
Map
Las Vegas
Phoenix
Tucson
San Antonio
Houston
Austin
© 2024 Microsoft Corporation

Account Name: All
City: All
Region: All
Fulfillment Party: All
Location Name: All
5/22/2023 – 7/31/2024

Install Base

Active CRU3 Units
45

Collection

Material Recovered [lbs]	Units
150K	4,650K

Sortation

Sorted Weight [lbs]	Units
108K	3,185K

Target [lbs]	Commingled [lbs]
63,342 (59%)	39,243 (36%)

Recyclable [lbs]	Waste [lbs]
102,585 (95%)	5,494 (5%)

Plastic Bags & Film

Collected Weight [lbs]	38,335
Units	2,798,451
Orders	1,348

Sorted Weight [lbs]	24,654
Units	1,799,771
Target	16,666 (68%)
Commingled	6,812 (28%)
Recyclable	23,478 (95%)
Waste	1,176 (5%)

Plastic Bottles

Collected Weight [lbs]	39,827
Units	637,233
Orders	1,287

Sorted Weight [lbs]	34,364
Units	549,821
Target	25,135 (73%)
Commingled	7,987 (23%)
Recyclable	33,122 (96%)
Waste	1,242 (4%)

Home Cleaning/Beauty Bottles

Collected Weight [lbs]	19,883
Units	99,416
Orders	997

Sorted Weight [lbs]	12,825
Units	64,127
Target	6,139 (48%)
Commingled	5,809 (45%)
Recyclable	11,947 (93%)
Waste	878 (7%)

Clear Plastic Containers

Collected Weight [lbs]	18,456
Units	203,011
Orders	919

Sorted Weight [lbs]	14,868
Units	163,543
Target	6,347 (43%)
Commingled	7,683 (52%)
Recyclable	14,030 (94%)
Waste	838 (6%)

Rigid Plastic Food Packaging

Collected Weight [lbs]	16,769
Units	352,145
Orders	924

Sorted Weight [lbs]	9,100
Units	191,104
Target	2,354 (26%)
Commingled	6,158 (68%)
Recyclable	8,512 (94%)
Waste	588 (6%)

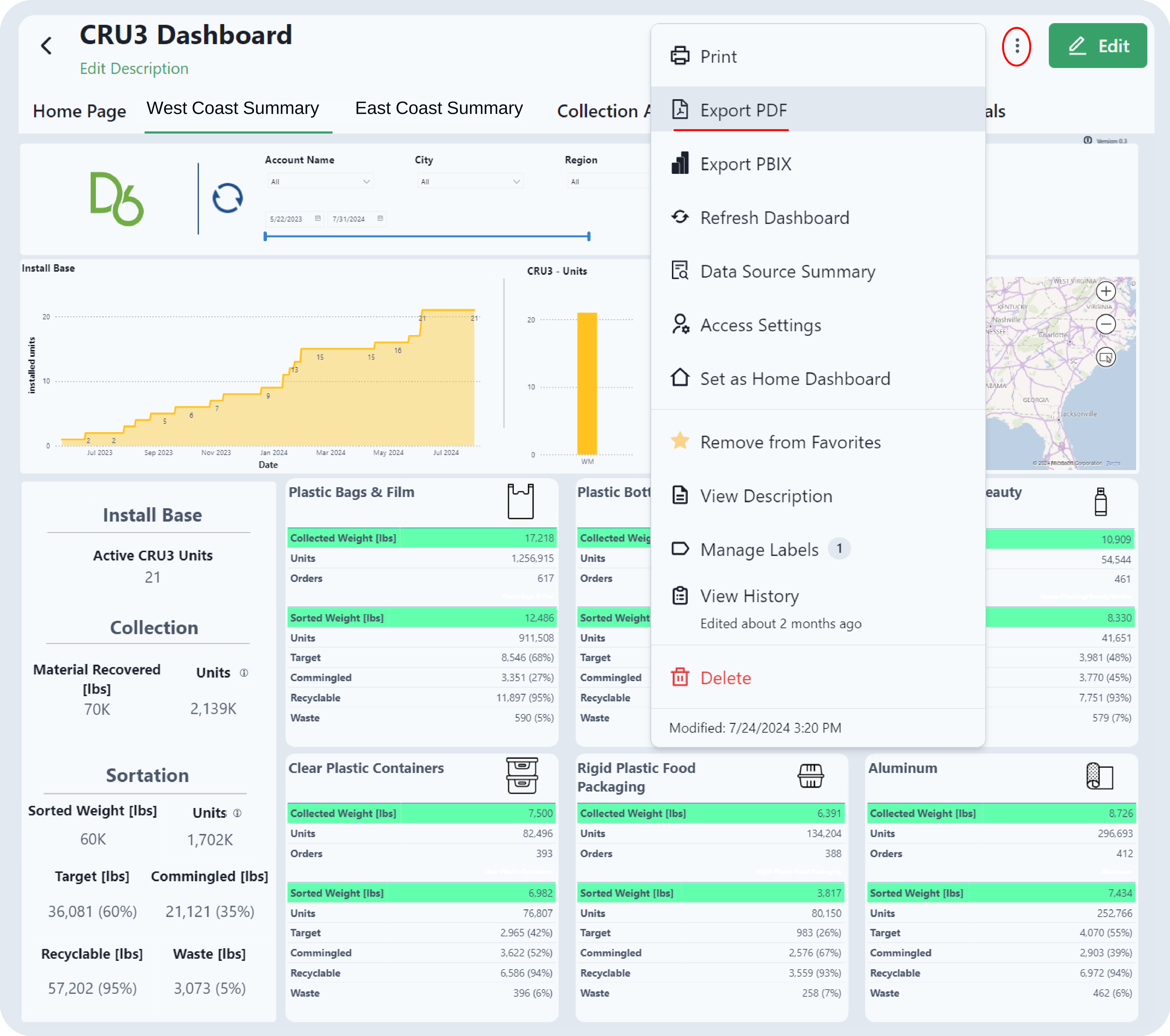
Aluminum

Collected Weight [lbs]	16,449
Units	559,251
Orders	915

Sorted Weight [lbs]	12,267
Units	417,088
Target	6,701 (55%)
Commingled	4,794 (39%)
Recyclable	11,495 (94%)
Waste	772 (6%)

CRU Dashboard

There are pre-built tabs with only EDC data for direct report export and simplified automatic reporting


CRU3 Dashboard
Edit Description
Edit
Home Page
West Coast Summary
East Coast Summary
Collection A
als
Print
Export PDF
Export PBIX
Refresh Dashboard
Data Source Summary
Access Settings
Set as Home Dashboard
Remove from Favorites
View Description
Manage Labels 1
View History
Edited about 2 months ago
Delete
Account Name
All
City
All
Region
All
5/22/2023
7/31/2024
Install Base
installed units
20
10
0
2
2
5
6
7
9
13
15
15
16
21
21
Jul 2023
Sep 2023
Nov 2023
Jan 2024
Mar 2024
May 2024
Jul 2024
Date
CRU3 - Units
20
10
0
WM
© 2024 Microsoft Corporation Terms

Modified: 7/24/2024 3:20 PM

Install Base

Active CRU3 Units
21

Collection

Material Recovered [lbs]	Units
70K	2,139K

Sortation

Sorted Weight [lbs]	Units
60K	1,702K

Target [lbs]	Commingled [lbs]
36,081 (60%)	21,121 (35%)

Recyclable [lbs]	Waste [lbs]
57,202 (95%)	3,073 (5%)

Plastic Bags & Film

Collected Weight [lbs]	17,218
Units	1,256,915
Orders	617

Sorted Weight [lbs]	12,486
Units	911,508
Target	8,546 (68%)
Commingled	3,351 (27%)
Recyclable	11,897 (95%)
Waste	590 (5%)

Plastic Bott

Collected Weig	
Units	
Orders	

Sorted Weight	
Units	
Target	
Commingled	
Recyclable	
Waste	

eauty

	10,909
	54,544
	461

	8,330
	41,651
	3,981 (48%)
	3,770 (45%)
	7,751 (93%)
	579 (7%)

Clear Plastic Containers

Collected Weight [lbs]	7,500
Units	82,496
Orders	393

Sorted Weight [lbs]	6,982
Units	76,807
Target	2,965 (42%)
Commingled	3,622 (52%)
Recyclable	6,586 (94%)
Waste	396 (6%)

Rigid Plastic Food Packaging

Collected Weight [lbs]	6,391
Units	134,204
Orders	388

Sorted Weight [lbs]	3,817
Units	80,150
Target	983 (26%)
Commingled	2,576 (67%)
Recyclable	3,559 (93%)
Waste	258 (7%)

Aluminum

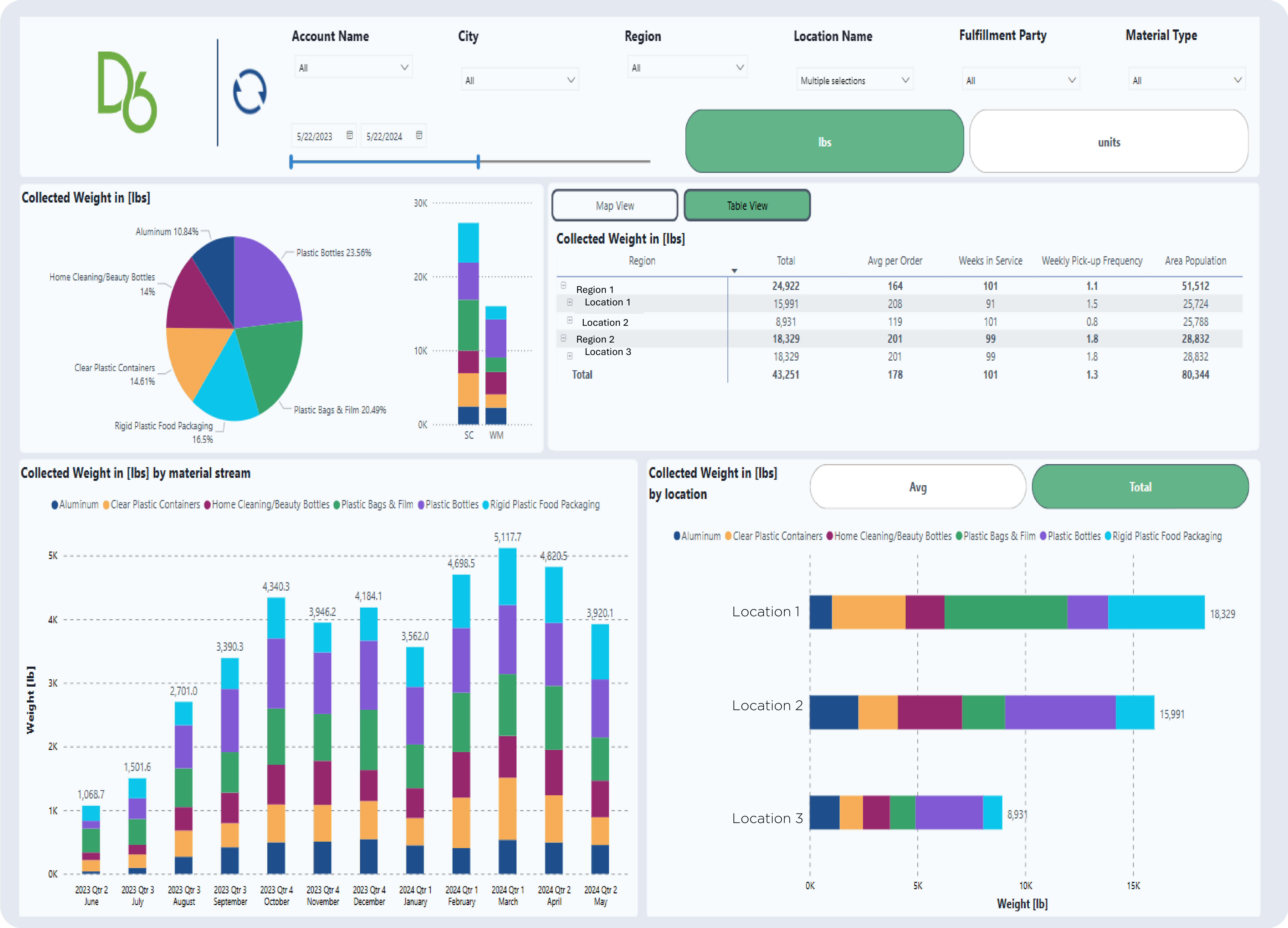
Collected Weight [lbs]	8,726
Units	296,693
Orders	412

Sorted Weight [lbs]	7,434
Units	252,766
Target	4,070 (55%)
Commingled	2,903 (39%)
Recyclable	6,972 (94%)
Waste	462 (6%)

Filtering

CRU Dashboard

User can filter data for specific Account Name, City, Region, Fulfilment Party and/or specific CRU Unit and adjust it by time window of interest.



Account Name: All
City: All
Region: All
Location Name: Multiple selections
Fulfillment Party: All
Material Type: All

5/22/2023 – 5/22/2024

lbs | units

Map View | Table View

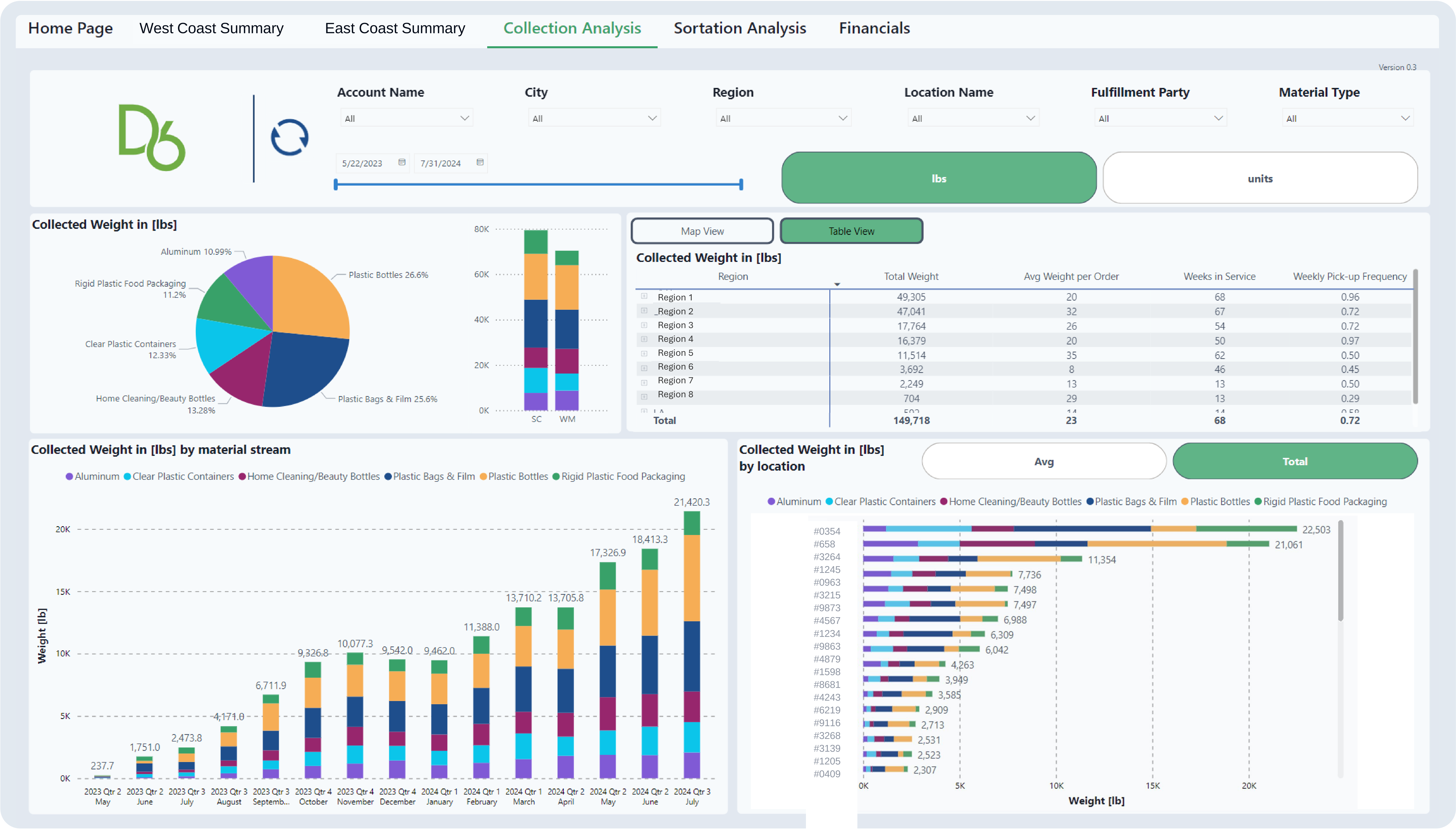
Collected Weight in [lbs]

Region	Total	Avg per Order	Weeks in Service	Weekly Pick-up Frequency	Area Population
Region 1	**24,922**	**164**	**101**	**1.1**	**51,512**
Location 1	15,991	208	91	1.5	25,724
Location 2	8,931	119	101	0.8	25,788
Region 2	**18,329**	**201**	**99**	**1.8**	**28,832**
Location 3	18,329	201	99	1.8	28,832
Total	**43,251**	**178**	**101**	**1.3**	**80,344**

Collected Weight in [lbs]
Aluminum 10.84%
Plastic Bottles 23.56%
Home Cleaning/Beauty Bottles 14%
Clear Plastic Containers 14.61%
Rigid Plastic Food Packaging 16.5%
Plastic Bags & Film 20.49%
30K
20K
10K
0K
SC
WM
Collected Weight in [lbs] by material stream
Aluminum
Clear Plastic Containers
Home Cleaning/Beauty Bottles
Plastic Bags & Film
Plastic Bottles
Rigid Plastic Food Packaging
Weight [lb]
5K
4K
3K
2K
1K
0K
1,068.7
1,501.6
2,701.0
3,390.3
4,340.3
3,946.2
4,184.1
3,562.0
4,698.5
5,117.7
4,820.5
3,920.1
2023 Qtr 2 June
2023 Qtr 3 July
2023 Qtr 3 August
2023 Qtr 3 September
2023 Qtr 4 October
2023 Qtr 4 November
2023 Qtr 4 December
2024 Qtr 1 January
2024 Qtr 1 February
2024 Qtr 1 March
2024 Qtr 2 April
2024 Qtr 2 May
Collected Weight in [lbs] by location
Avg
Total
Location 1
18,329
Location 2
15,991
Location 3
8,931
0K
5K
10K
15K
Weight [lb]

Confidential

Collection Analysis / **CRU Dashboard**


Home Page
West Coast Summary
East Coast Summary
Collection Analysis
Sortation Analysis
Financials
Version 0.3
Account Name
All
City
All
Region
All
Location Name
All
Fulfillment Party
All
Material Type
All
5/22/2023
7/31/2024
lbs
units
Collected Weight in [lbs]
Aluminum 10.99%
Plastic Bottles 26.6%
Rigid Plastic Food Packaging 11.2%
Clear Plastic Containers 12.33%
Home Cleaning/Beauty Bottles 13.28%
Plastic Bags & Film 25.6%
80K
60K
40K
20K
0K
SC
WM
Map View
Table View
Collected Weight in [lbs] by material stream
Aluminum
Clear Plastic Containers
Home Cleaning/Beauty Bottles
Plastic Bags & Film
Plastic Bottles
Rigid Plastic Food Packaging
Weight [lb]
20K
15K
10K
5K
0K
237.7
1,751.0
2,473.8
4,171.0
6,711.9
9,326.8
10,077.3
9,542.0
9,462.0
11,388.0
13,710.2
13,705.8
17,326.9
18,413.3
21,420.3
2023 Qtr 2 May
2023 Qtr 2 June
2023 Qtr 3 July
2023 Qtr 3 August
2023 Qtr 3 Septemb...
2023 Qtr 4 October
2023 Qtr 4 November
2023 Qtr 4 December
2024 Qtr 1 January
2024 Qtr 1 February
2024 Qtr 1 March
2024 Qtr 2 April
2024 Qtr 2 May
2024 Qtr 2 June
2024 Qtr 3 July
Collected Weight in [lbs] by location
Avg
Total
Aluminum
Clear Plastic Containers
Home Cleaning/Beauty Bottles
Plastic Bags & Film
Plastic Bottles
Rigid Plastic Food Packaging
#0354 22,503
#658 21,061
#3264 11,354
#1245 7,736
#0963 7,498
#3215 7,497
#9873 6,988
#4567 6,309
#1234 6,042
#9863 4,263
#4879 3,949
#1598 3,585
#8681 2,909
#4243 2,713
#6219 2,531
#9116 2,523
#3268 2,307
#3139
#1205
#0409
0K
5K
10K
15K
20K
Weight [lb]

Collected Weight in [lbs]

Region	Total Weight	Avg Weight per Order	Weeks in Service	Weekly Pick-up Frequency
Region 1	49,305	20	68	0.96
_Region 2	47,041	32	67	0.72
Region 3	17,764	26	54	0.72
Region 4	16,379	20	50	0.97
Region 5	11,514	35	62	0.50
Region 6	3,692	8	46	0.45
Region 7	2,249	13	13	0.50
Region 8	704	29	13	0.29
Total	**149,718**	**23**	**68**	**0.72**

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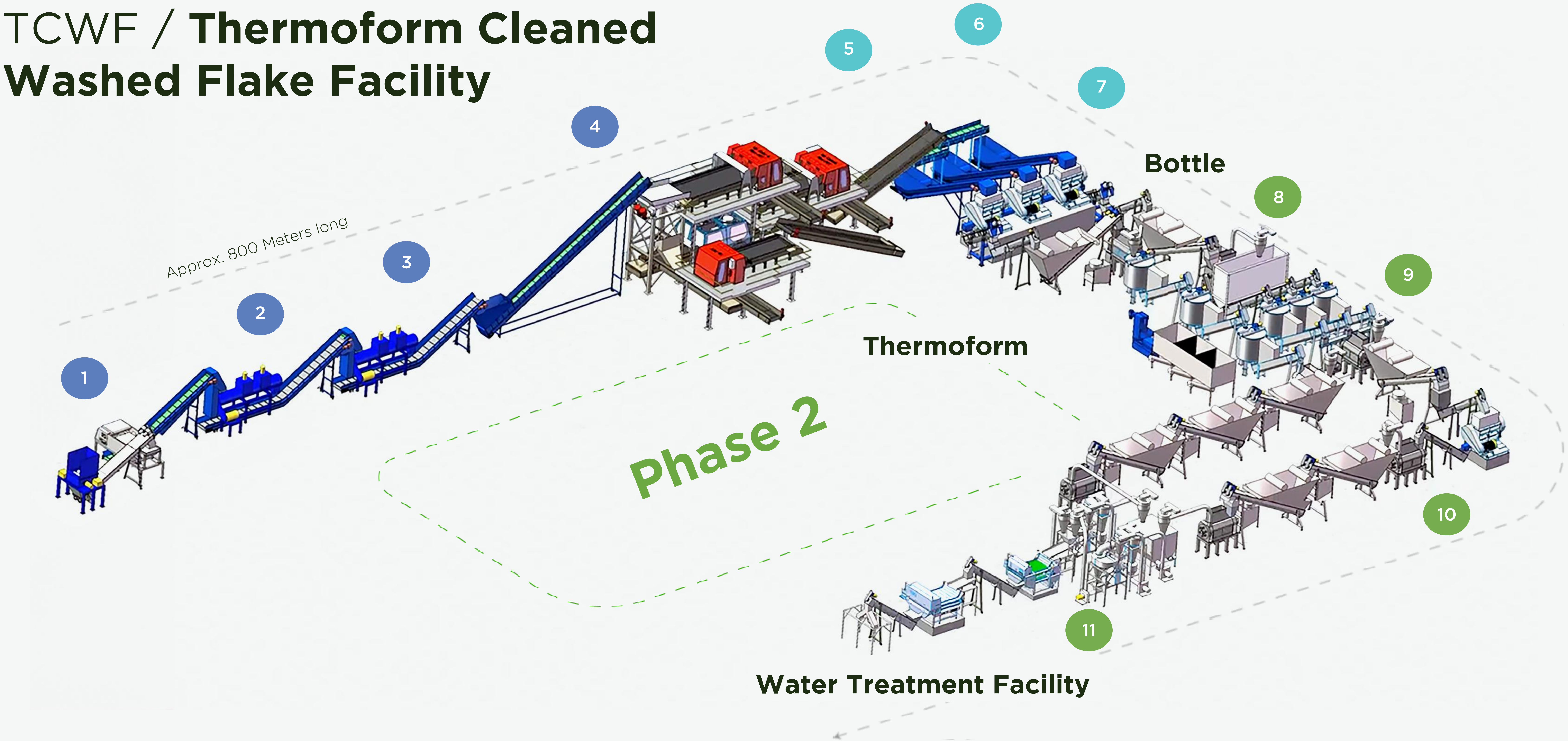
TCWF / **Thermoform Cleaned Washed Flake Facility**


6
5
7
4
Bottle
8
Approx. 800 Meters long
3
9
2
Thermoform
1
Phase 2
10
11
Water Treatment Facility

1 Debaler
2 Material Trommel
3 Delabeler
4 Optical Sorters & Eddy Current Separator

5 Tray/Bottle Sortation
6 Material Grinding Point
7 Flake Sortation

8 Gravity Tank
9 Hot Washing Tank
10 Impurity Cleansing Tanks
11 Post Consumer PET Bagging Station

Confidential

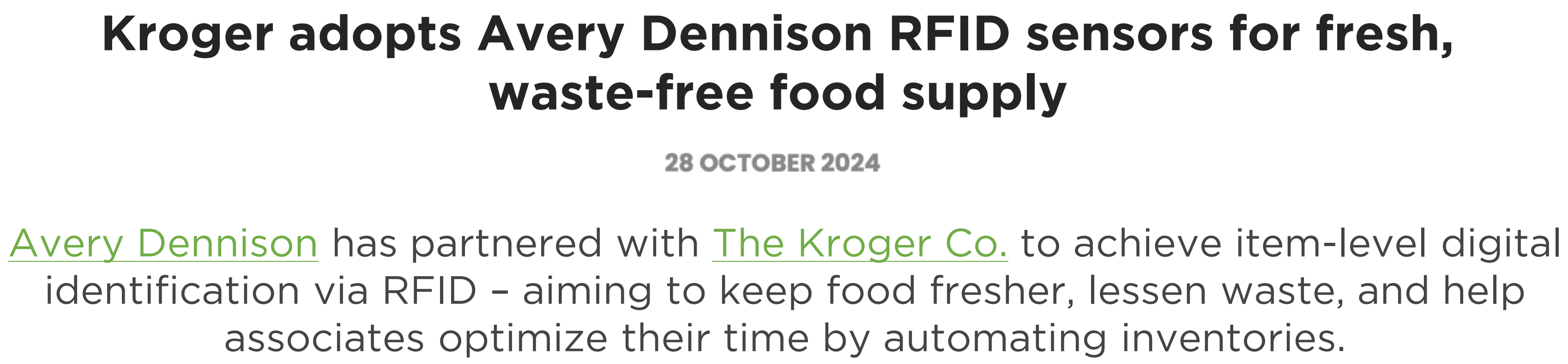
Retail Ready RFID

BUILDERS
CARL JUNCTION
PINEVILLE
sam's club
Next time, skip the checkout line with Scan & Go™ shopping.

Kills Coronavirus
WIPES
PREMIUM
Member's Mark
OVER 2200 SHEETS
Strong &
sorbent

RFID

Retail Ready RFID

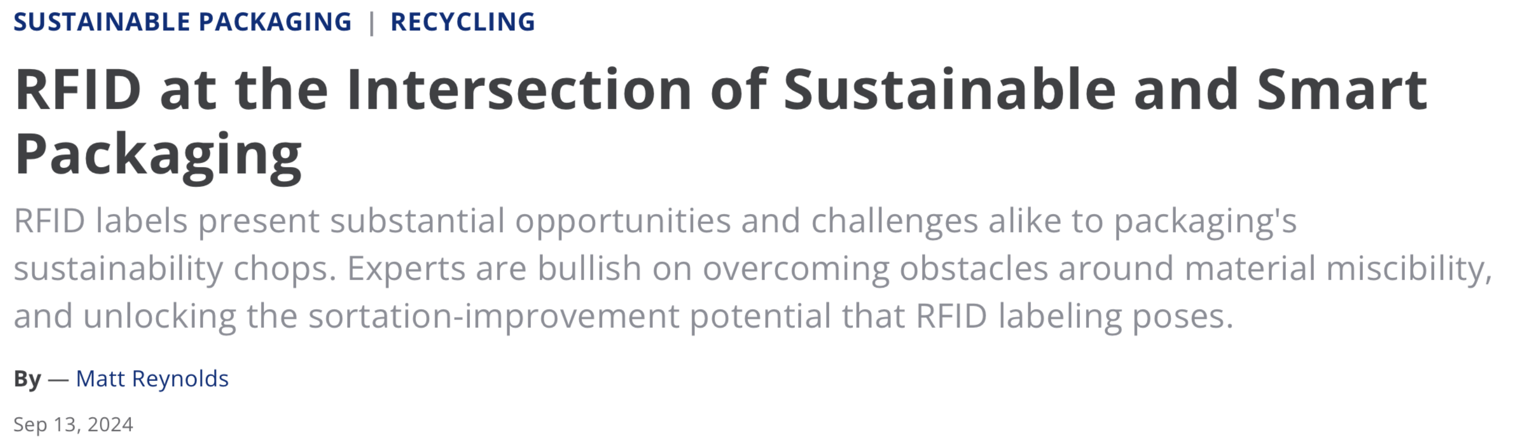


Kroger adopts Avery Dennison RFID sensors for fresh, waste-free food supply

28 OCTOBER 2024

Avery Dennison has partnered with The Kroger Co. to achieve item-level digital identification via RFID – aiming to keep food fresher, lessen waste, and help associates optimize their time by automating inventories.

Michael Sher
CEO
TAPWAW
Peter Bloch
Market Development Manager for North America
AVERY DENNISON
Loren Miller
Director, Business Development
IDENTIV
Ruben Nance
Program Director
APR The Association of Plastic Recyclers
Louis Parker
RFID Market Development Manager
Checkpoint



SUSTAINABLE PACKAGING | RECYCLING

RFID at the Intersection of Sustainable and Smart Packaging

RFID labels present substantial opportunities and challenges alike to packaging's sustainability chops. Experts are bullish on overcoming obstacles around material miscibility, and unlocking the sortation-improvement potential that RFID labeling poses.

By — Matt Reynolds

Sep 13, 2024

https://www.packworld.com/sustainable-packaging/recycling/article/22920398/rfid-at-the-intersection-of-smart-packaging-and-sustainability?

https://packagingeurope.com/news/kroger-adopts-avery-dennison-rfid-sensors-for-fresh-waste-free-food-supply/12067.article

https://rfid.averydennison.com/en/home/products-solutions/rfid-walmart-mandate.html

Tagged TX Test

Working Towards...

Carbon Negative Strategy

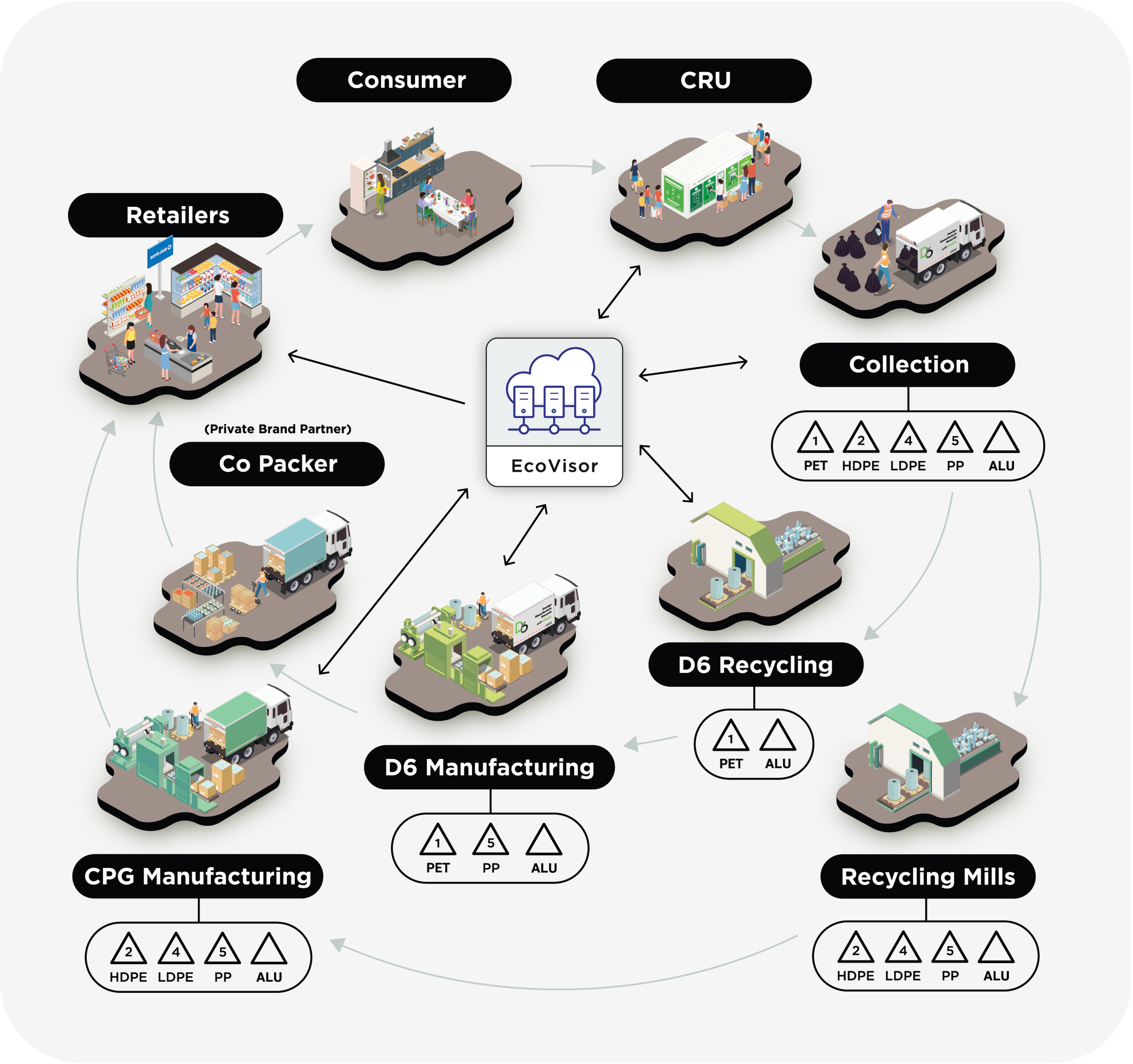
Working towards becoming carbon negative by 2035+.

Transparency
(Vertically Integrated Waste Stream)

Traceability
(NAV, Last Mile, RFID)

Auditability
(EcoVisor, APR, Green Circle Certification)

Accountability
(Responsible End Market)


Consumer
CRU
Retailers
Collection
1 PET
2 HDPE
4 LDPE
5 PP
ALU
EcoVisor
(Private Brand Partner)
Co Packer
D6 Recycling
1 PET
ALU
D6 Manufacturing
1 PET
5 PP
ALU
CPG Manufacturing
2 HDPE
4 LDPE
5 PP
ALU
Recycling Mills
2 HDPE
4 LDPE
5 PP
ALU

Community Recycling Unit

Case Study – Sulphur Springs

1 PET | 2 HDPE | 4 LDPE | 5 PP | ALU =

41,000 lbs.
of materials

25
Texas Longhorns

Recycle here
Recicle aquí
Presented by Walmart
Recycle here
Recicle aquí
Rigid plastic food packaging
Envases de plástico rígido para alimentos
Home cleaning/beauty bottles
Frascos de belleza/limpieza para el hogar
How to use.
Cómo utilizar.
Plastic bags & films
Plastic bags & films
We're working toward zero waste.
Walmart
Container made in Texas by

Since 2023, we have collected over **41,000 lbs.** of materials that would have otherwise been sent to the landfill **just from the unit in Sulphur Springs.**

That's like having a whole herd of **25 Texas Longhorns worth of "trash" lined up.**

- No cost to taxpayers
- Clean and well-maintained
- Supplements existing recycling infrastructure
- Accepts hard-to-recycle items not collected curbside

Community Recycling Unit

CRU Activation/Engagement

Let's recycle together!

Recycle here
Recicle aquí
Presented by
Walmart
Home cleaning/beauty bottles
Frascos de belleza/limpieza para el hogar
Plastic bags & films
Bolsas y láminas de plástico
Buy Here,

Home cleaning/beauty bottles
Frascos de belleza/limpieza para el hogar
How to use.
Cómo utilizar.
Plastic bags & films
Bolsas y láminas de plástico
Accepted
Not Accepted
HDPE
LDPE
No food.
No liquids.

Questions &

Contact Info

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Edward.Dominion