



PRISM

GLASS RECYCLING

GLASS RECYCLING PROGRAMS & SERVICES



In partnership with:



SMETHPORT, PA

814-598-8644

www.prismrecycling.com

PRISM focuses on collection, consolidation, and transportation in the circular economics of the glass manufacturing and use lifecycle.

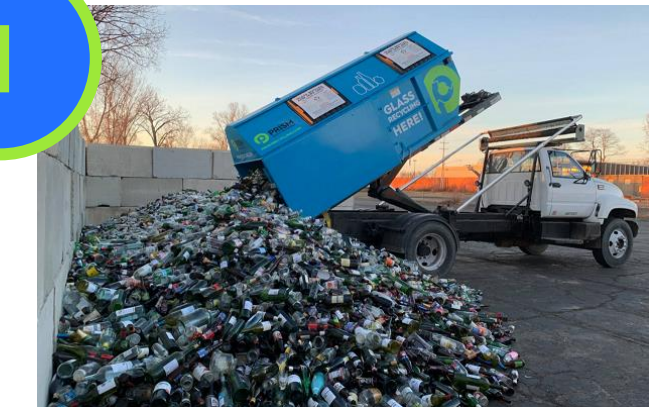


1. Collection

- Drop-off
- Commercial
- Residential



1



2. Consolidation

- Depot bunker



2

3. Transportation

- Logistics coordination



3





GLASS RECYCLING DROP-OFF PROGRAM

Erie County January 2021

- **Public Private Partnership**
 - Erie County Recycling Program
 - Erie Area Council of Governments
 - CAP Glass
 - Glass Recycling Foundation
- **Launched with 15 locations**
 - expanded to 19 by the end of 2021
 - 17 current locations
- **Prism**
 - provides drop-off containers
 - manages local hauling services
 - coordinates processing
 - aggregates data + provides reporting



(20) Switch N Go
8 cubic yard
containers

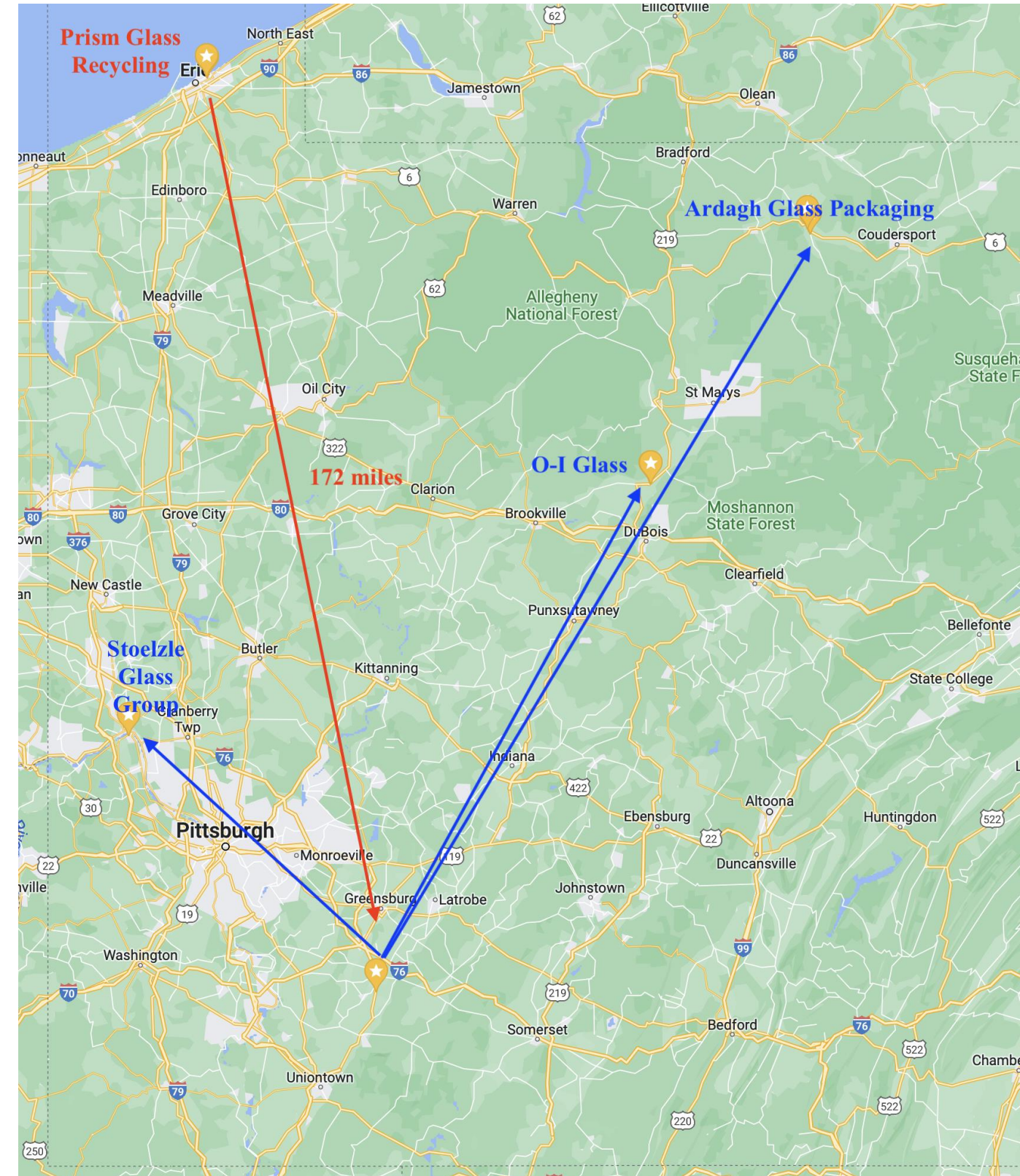
Erie County = 272,000 residents

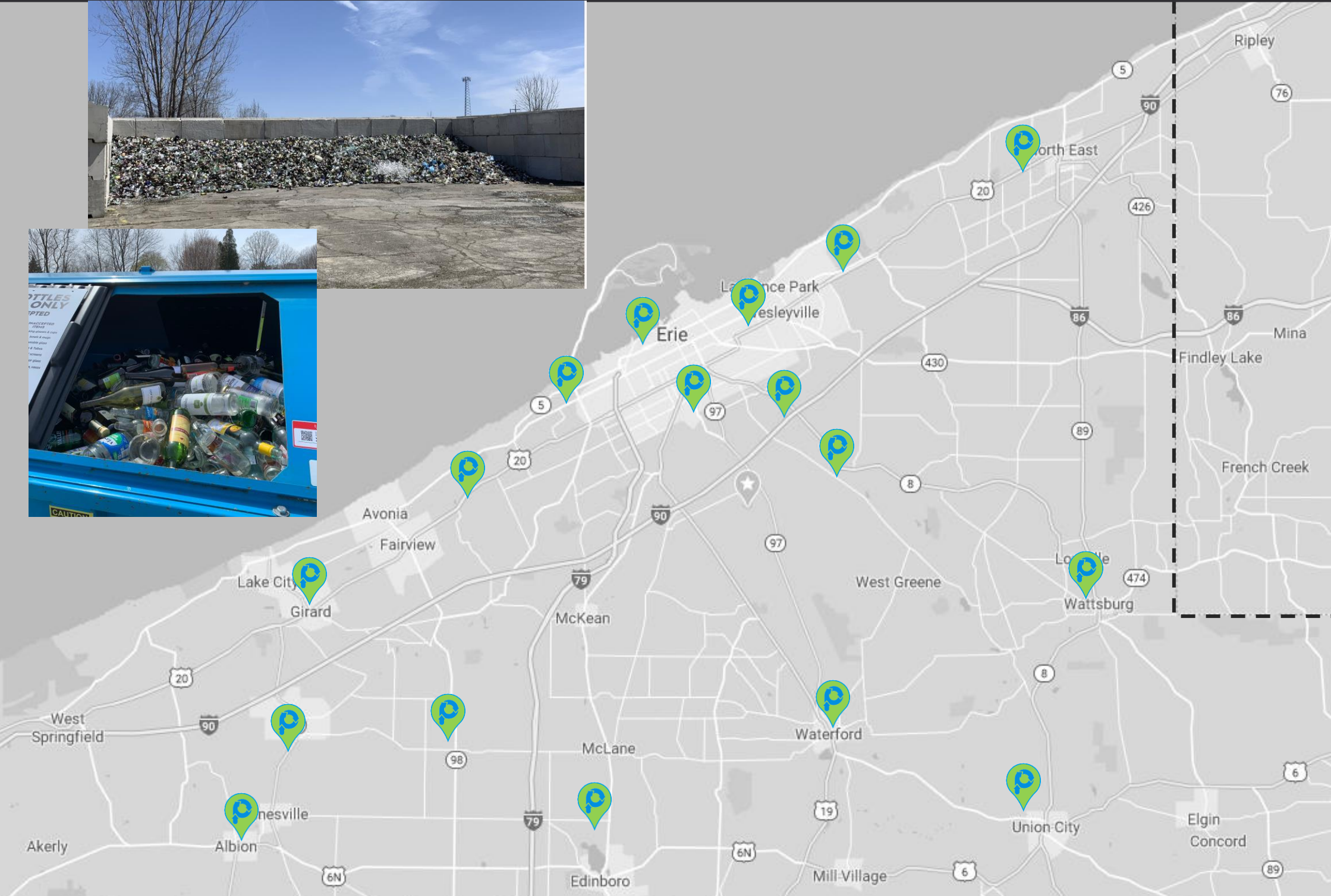
- City of Erie 96,600
- Millcreek Township 53,000
- Harborcreek Township 17,000



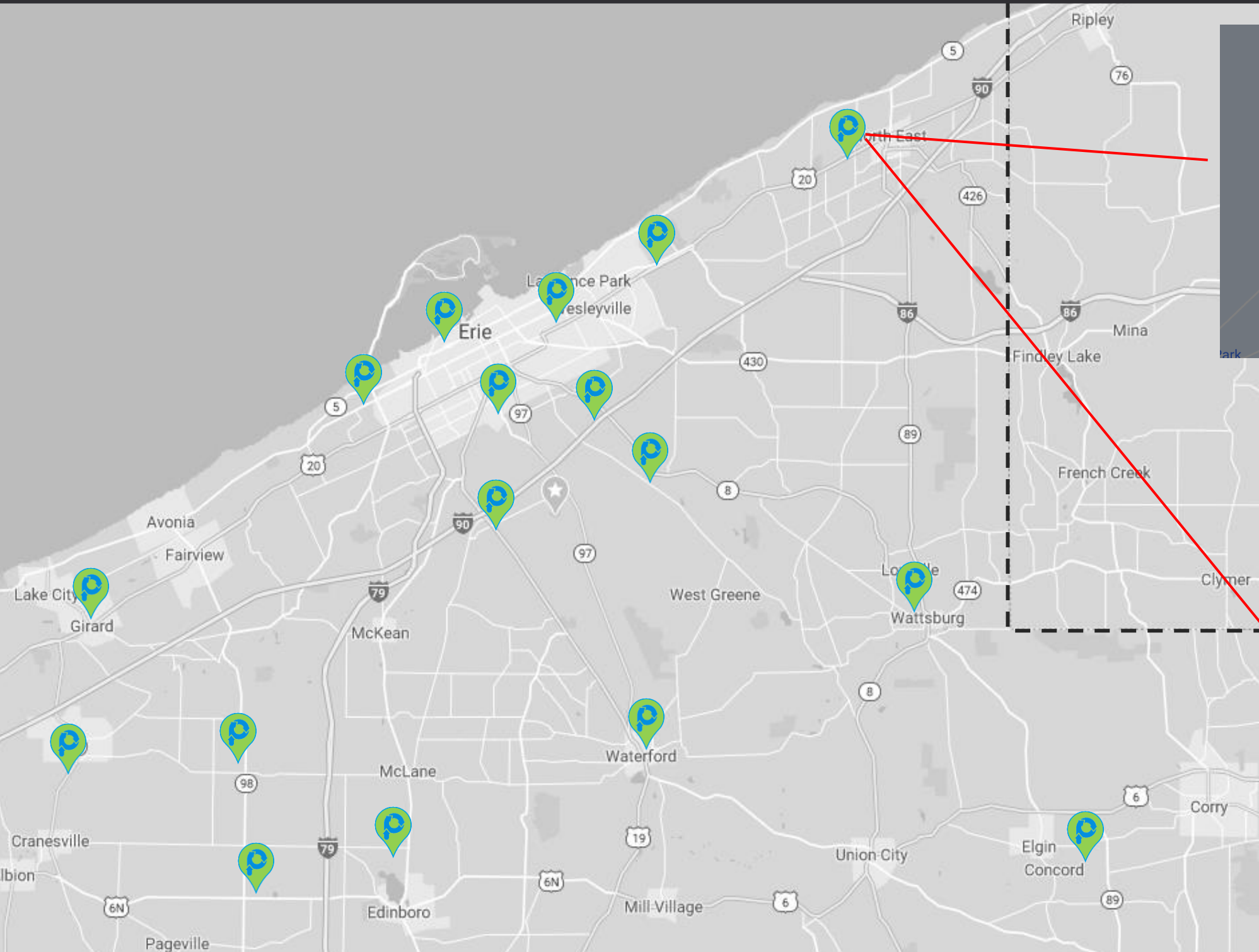



- Buy in
 - Seed \$ for 1 drop box; cost sharing
 - Web content
 - Assistance with information sharing
-
- Facilitated member municipalities participation
 - Web content
 - Assistance with information sharing
-
- Grant dollars
 - Relationship building in industry
 - Technical support
-
- Buy in
 - Local hauling
 - Community support
-
- Cost sharing
 - Beneficiation/Processing
 - Industry advocacy
-
- Infrastructure support (AP/AR, HR)
 - Staff time

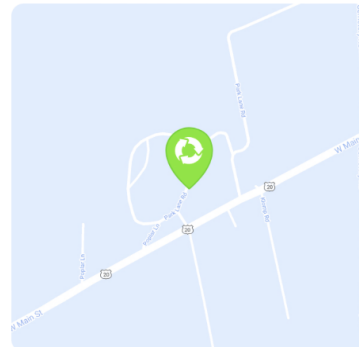




- Albion Borough
- City of Erie (3)
- Elk Creek Township
- Franklin Township
- Girard Borough
- Greene Township
- Harborcreek Township
- Millcreek Township (3)
- North East Township
- Union Township
- Venango Township
- Washington Township
- Waterford Borough







NORTH EAST TOWNSHIP

10300 West Main Road
North East, PA 16428

South east side of the main municipal building

[See Details](#) [Get Directions](#)


NORTH EAST TOWNSHIP

10300 West Main Road
North East, PA 16428


South east side of the main municipal building

[Get Directions](#)


ACCEPTED MATERIALS



Food & Beverage



Fragrance & Oils




Candle Jars

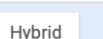
- All colors of glass accepted
- Empty of all contents and rinsed
- No lids, caps, or corks
- Labels do not need to be removed

Why only glass bottles and jars?
Learn more about [different types of glass.](#)

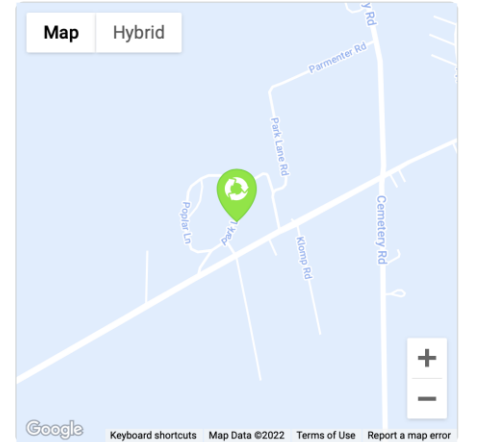
Is this location full, or have you noticed a problem such as the wrong type of glass or non-glass items? Let us know about it.
[Report an Issue](#)



Map



Hybrid



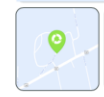

Google

Keyboard shortcuts

Map Data ©2022

Terms of Use

Report a map error

GLASS BOTTLES AND JARS ONLY ALL COLORS ACCEPTED

ACCEPTED ITEMS



Food & Beverage



Candle jars



Fragrance





NO BAGS OR BOXES



UNACCEPTED ITEMS

-  Drinking glasses & cups
-  Plates, bowls & mugs
-  Microwavable glass
-  Light bulbs & Tubes
-  Monitor & TV screens
-  Window & Mirror glass
-  Trophies, ashtrays, vases

Before you recycle, make sure to:

-  Empty and rinse items of all residue
-  Remove lids, caps and corks (labels can stay on)

For more information on glass recycling visit www.prismrecycling.com



Prism Glass Recycling
August 16, 2021

The severity of this [#ContaminationCrime](#) perpetrated at Glenwood Park inside a large blue metal container marked "GLASS RECYCLING HERE!" and "Glass bottles and jars ONLY" is very grave. This black stiletto found at the scene inside the Big Blue glass recycling box is neither made of glass nor is it a bottle or jar.

Estimated by the size of this fancy footwear, please be on the alert for a person between 5' 6" and 5' 10" tall wearing the other black stiletto on his/her/their left foot. He/she/they may have a compromised gait (without the other stiletto). If identified, please report to [#ContaminationCrime](#)

Please be respectful of the glass recycling instructions and place only loose bottles & jars in the bin.

[#GlassRecycles](#) [#ChooseGlass](#) [#RecycleRight](#) [#WhenInDoubtFindOut](#)

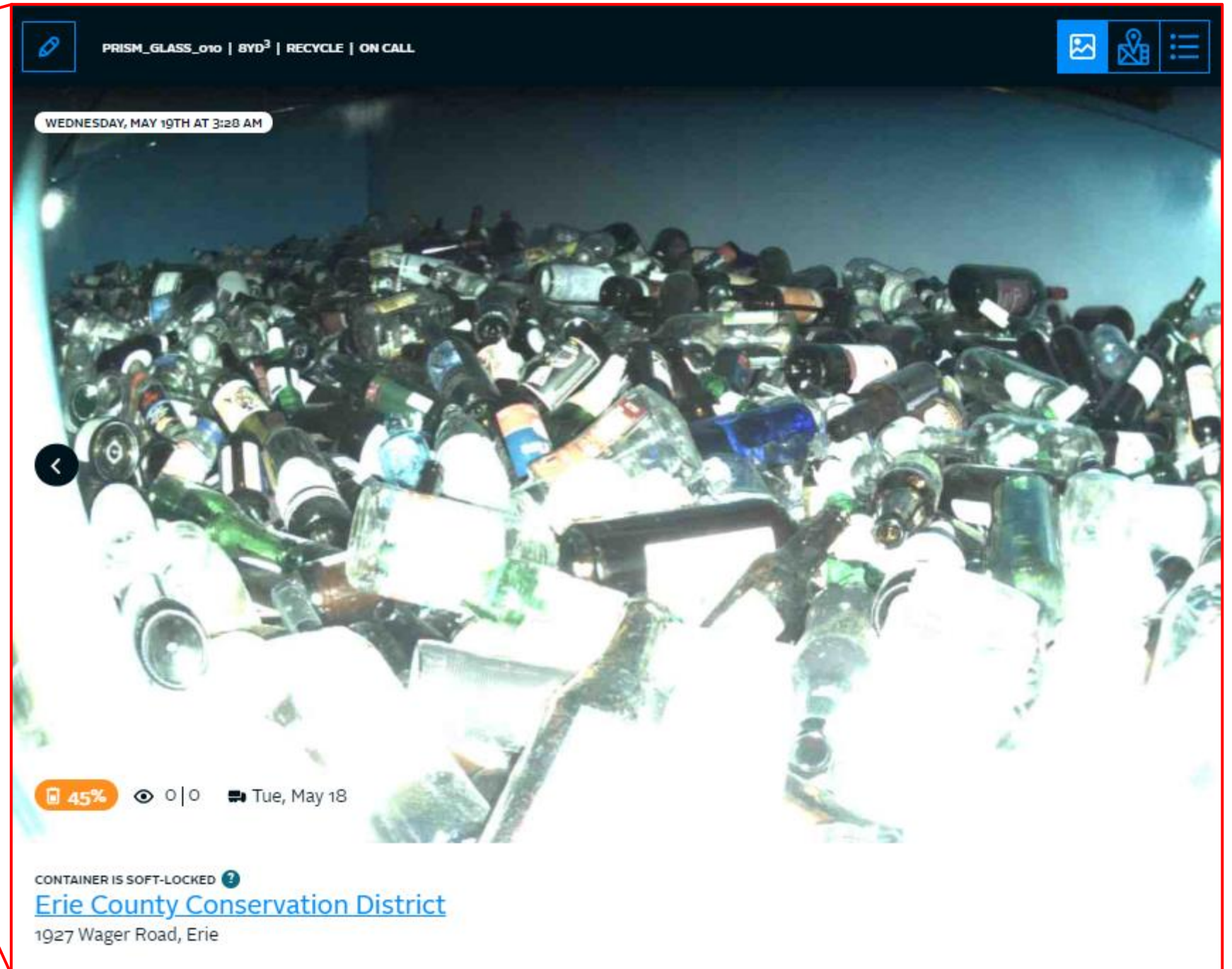
#ContaminationCrime Scene 001





MONITORING FOR:

1. Contamination
2. Fill level
3. General shenanigans



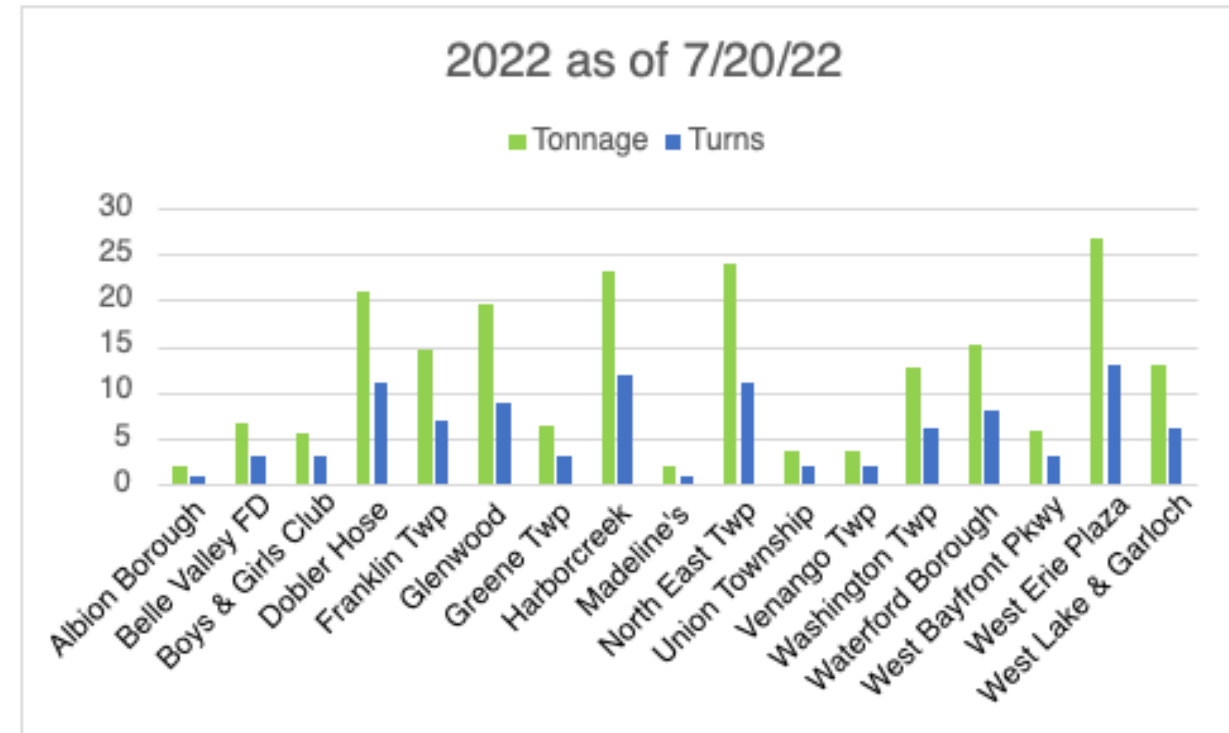
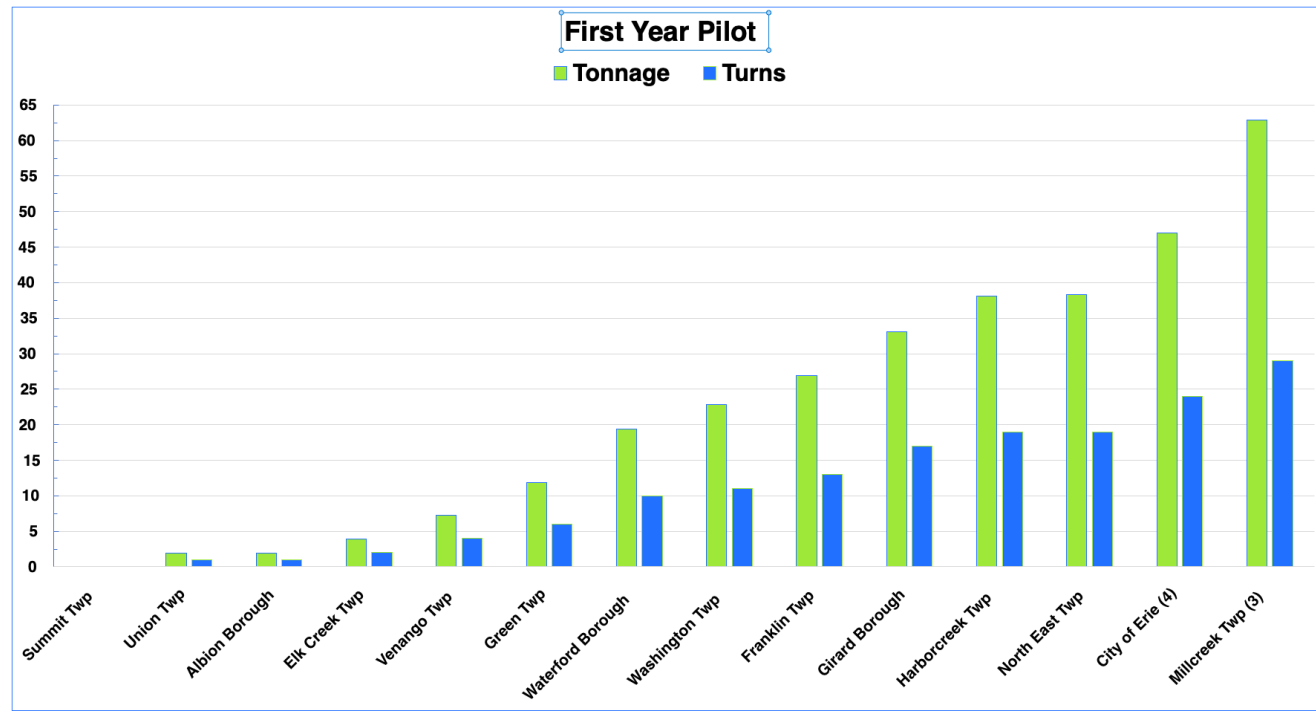
- **Provide**
 - Flat hard surface
 - easily accessible to the public & service vehicle
 - conspicuous for easy monitoring & to mitigate misuse
- **Promote**
 - Website, council meetings, posters, newsletters, or other means
 - Prism provides informational material
- **Manage**
 - Keep area clean of refuse and debris
 - remove & dispose of any non-allowable materials from container



Location ideas

- **Municipal Building/Garage**
- **Municipal Parks/Trail**
- **Volunteer Fire Department**
- **Shopping Plaza**
- **Private Business**
- **Public Library**
- **Public Parking area**
- **Transfer Station/Recycle Station**

VOLUMES + DOLLARS



2021 Metrics

- Tonnage: 351.41
- Turns: 156
- Avg tons/turn: 2.02
- Hauling Cost \$12,480
- Material Value \$6,308

2022 Metrics 7/20/22

- Tonnage: 294
- Turns: 103
- Avg tons/turn: 2.03
- Hauling Cost \$8,240
- Material Value \$4,184

Profit & Loss by Class January 2021 - December 2021

| | Municipal |
|-------------------------|--------------------|
| ➤ Income | |
| • Glass Sales | 5,946.20 |
| Total Income | <u>5,946.20</u> |
| ➤ Cost of Goods Sold | |
| • Glass Hauling | 11,515.47 |
| • Equipment + Repairs | 13,291.95 |
| • Depreciation Expense | 6,108.77 |
| • Repairs & Maintenance | 43.43 |
| Total COGS | <u>30,959.62</u> |
| Gross Profit | - 25,013.42 |
| ➤ Expense | |
| • Dues & Subscriptions | 4,474.26 |
| • Travel Expense | 209.16 |
| Total Expense | <u>4,683.42</u> |
| Net Income | - 29,296.84 |

Value of Glass

- \$20/ton
- 8 YD = 2 tons = \$40

Hauling Costs

- 8 YD drop box
- \$80/pull

Loss of **\$40** each pull

2022 = cost sharing





Considerations

1. Is there a need?
 - ✓ Glass no longer accepted in single-stream recycling program
 - ✓ Community demand &/or buy-in from residents and businesses
2. Is there support?
 - ✓ Public-private partnerships
 - ✓ Collaborative host locations
 - ✓ Local & municipal hauling
3. Is there funding?
 - ✓ Drop-off collection containers
 - ✓ Public education campaigns
 - ✓ Consolidation point/bunker
 - ✓ Local hauling

- Bayfront Lounge
- Beechwood Golf Club
- Calamari's
- Cascade Park Club
- Cloud 9 Wine Bar
- Colao's
- Colony Pub & Grill
- Compadre's
- **Corporate Glass**
- Engine House 39
- Erie Club
- Flagship City Foodhall
- Greengarden Lounge
- **HERO BX**
- Hunter's Inn
- The Cork 1794
- Kahkwa Club
- Lakeside Beach Bar
- La Nuova Aurora Society
- Mc's Bar & Grill
- Molly Brannigan's
- North East Boro
- North East VFW Post 4789
- Penn State Behrend
- Penny's Pub
- Presque Isle Wine Cellars
- Ringside Restaurant
- Rosco's Sports Bar & Grill
- Scooter's Lounge
- Society of Holy Trinity
- Syd's Place
- That Place on 26th
- Usher's Club
- **Treehouse/Bay Valley Foods**
- 12th Street Beer
- Airport Beer
- Beer & Pop Discount Warehouse
- Beverage Shop
- Boro Beer
- Waterford Bev



Monthly Service

\$53.75 for 2yd, 4yd, 6yd container
at 1x month pick up

Pro hauling fee \$50

Prism service fee \$3.75

Recycle4PA

2022 Partnership with O-I Glass

- 20 locations
- 1 year of service



RECYCLE FOR PENNSYLVANIA
JOIN US IN KEEPING GLASS OUT OF THE TRASH!

And show your commitment to sustainable practices, while also supporting the Pennsylvania glass manufacturing economy.

PROGRAM BEGINS FEBRUARY 2022

Register on our website (bit.ly/prismRFPA) and include "RFPA" with your business name. The program is limited; please secure your participation today.

GLASS RECYCLING IS SUSTAINABLE FOR OUR ENVIRONMENT AND ECONOMY

Prism Glass Recycling and O-I Glass have teamed up to sponsor 1 YEAR of glass collection at 20 high-volume bars, restaurants, social clubs, and PLCB-licensed beverage distributors in Erie County. Participants will receive a glass-only dumpster with monthly collection FREE of charge for 12 months. Prism may also market businesses through public relations, social media, and promotional materials.



BARS, RESTAURANTS, AND SOCIAL CLUBS

Glass recycling can help you better manage your waste disposal costs by eliminating glass weight and volume.



PLCB-LICENSED BEVERAGE DISTRIBUTORS

Glass recycling can help you encourage repeat business by providing customers a location to bring back empty bottles for recycling.



PROMO CARD #1 (Bars, Restaurants, and Social Clubs)



Front



Back

PROMO CARD #2 (PLCB-Licensed Liquor Distributors)

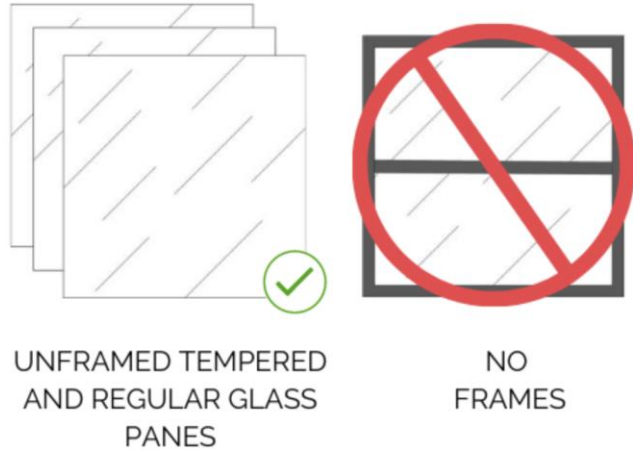


Front



Back

Window Glass



HOW IT WORKS

We can only accept the glass panes from windows. The frames and banding must be removed. Residual adhesive or caulking does not need to be removed.

- FREE drop-off (no tipping fees)
- Unframed window glass only (broken glass is accepted)
- Tempered and regular glass accepted
- NO automotive glass
- NO laminated glass
- NO mirrors

Events

- Italian Festival
- North East Wine Fest
- Blues & Jazz Fest
- Erie Food Truck Festival
- Wine, Brews, Spirits & Food Truck Festival

prismrecycling
Gibson Park



Windshields?

Curbside Pilot



Sherri "Sam" Mason is a sustainability professor at Penn State-Behrend who is researching whether a glass/food compost recycling program makes sense for the city of Erie. She was photographed on July 12, 2022. KEVIN FLOWERS/ERIE TIMES-NEWS

Odds & Ends

1.3m cobalt blue bottles, 500 skids



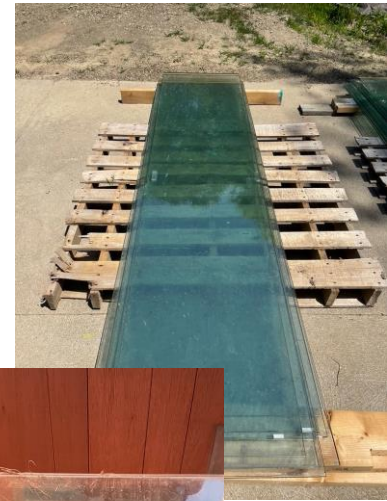
Cat Wine Bottles



280 tons wine bottles, 282 skids



2 tons shelving



CURBSIDE PILOT – CITY OF ERIE



Sherri "Sam" Mason is a sustainability professor at Penn State-Behrend who is researching what recycling program makes sense for the city of Erie. She was photographed on July 12, 2022. KEI TIMES-NEWS

July 2022

Penn State Behrend, City of Erie
Public Works, Conservation
Compost, Prism Glass Recycling

- Food Waste
- Glass

Frontier Park = 53 households
Our West Bayfront = 48 households

| WEEK 1 | Frontier Park | | | | | West Bayfront | | | | | Totals | | | | |
|-----------------|---------------|-----|--------|-----|--------|---------------|-----|--------|-----|--------|---------|-----|--------|-----|---------|
| | Compost | % | Glass | % | Total | Compost | % | Glass | % | Total | Compost | % | Glass | % | Total |
| Total (kg) | 149.84 | 43% | 200.45 | 57% | 350.29 | 140.95 | 49% | 144.15 | 51% | 285.10 | 290.79 | 46% | 344.60 | 54% | 635.39 |
| Total (lbs) | 330.34 | | 441.92 | | 772.26 | 310.74 | | 317.80 | | 628.54 | 641.08 | | 759.71 | | 1400.80 |
| # of households | 46 | | 45 | | 53 | 41 | | 38 | | 48 | 87 | | 83 | | 101 |
| Avg Lbs per HH | 7.18 | 42% | 9.82 | 53% | 17.00 | 7.58 | 43% | 8.36 | 52% | 15.94 | 7.37 | 45% | 9.15 | 55% | 16.52 |
| WEEK 2 | Frontier Park | | | | | West Bayfront | | | | | Totals | | | | |
| Total (kg) | 130.05 | 53% | 115.10 | 47% | 245.15 | 114.25 | 33% | 233.55 | 67% | 347.80 | 244.30 | 41% | 348.65 | 59% | 592.95 |
| Total (lbs) | 286.72 | | 253.75 | | 540.47 | 251.88 | | 514.89 | | 766.77 | 538.60 | | 768.64 | | 1307.23 |
| # of households | 46 | | 39 | | 53 | 42 | | 35 | | 48 | 88 | | 74 | | 101 |
| Avg Lbs per HH | 6.23 | 49% | 6.51 | 51% | 12.74 | 6.00 | 29% | 14.71 | 71% | 20.71 | 6.12 | 37% | 10.39 | 63% | 16.51 |
| WEEK 3 | Frontier Park | | | | | West Bayfront | | | | | Totals | | | | |
| Total (kg) | 149.63 | 56% | 116.78 | 44% | 266.41 | 105.90 | 53% | 77.60 | 42% | 183.50 | 255.53 | 57% | 194.38 | 43% | 449.91 |
| Total (lbs) | 329.89 | | 257.45 | | 587.34 | 233.47 | | 171.08 | | 404.55 | 563.36 | | 428.53 | | 991.89 |
| # of households | 46 | | 45 | | 53 | 39 | | 30 | | 48 | 85 | | 75 | | 101 |
| Avg Lbs per HH | 7.17 | 56% | 5.72 | 44% | 12.89 | 5.99 | 51% | 5.70 | 49% | 11.69 | 6.63 | 54% | 5.71 | 46% | 12.34 |
| Average | Frontier Park | | | | | West Bayfront | | | | | Totals | | | | |
| Total (kg) | 150.38 | 47% | 172.01 | 53% | 322.39 | 139.77 | 42% | 196.07 | 58% | 335.83 | 290.15 | 44% | 368.07 | 56% | 658.22 |
| Total (lbs) | 331.54 | | 379.21 | | 710.75 | 308.13 | | 432.25 | | 740.38 | 639.67 | | 811.46 | | 1451.13 |
| # of households | 49 | | 53 | | 53 | 46 | | 45 | | 46 | 95 | | 98 | | 99 |
| Avg Lbs per HH | 6.77 | 49% | 7.15 | 51% | 13.92 | 6.70 | 41% | 9.61 | 59% | 16.30 | 6.73 | 45% | 8.28 | 55% | 15.01 |



GLASS RECYCLING DROP-OFF PROGRAM

McKean County

April 2022

Public Private Partnership

- McKean County Conservation District
 - Ardagh Glass Packaging
 - McKan Trucking
 - RecycAll
- Launched with 9 drop-off locations
 - Prism
 - manages local hauling services
 - coordinates processing



McKEAN COUNTY
CONSERVATION DISTRICT

ArdaghGlass Packaging



**MCKAN
TRUCKING, LLC**

SMETHPORT, PA
814-598-8644



PARTNERS & ROLES



- Buy in
- Web content + info sharing
- Municipal support
- Staff time

- Program funds
- Relationship building

- Buy in
- Local hauling
- Community support

- Beneficiation/Processing

- Infrastructure support (AP/AR, HR)
- Staff time



Launch of New Mckean County Glass Recycling Program

Glass bottles and jars have been made in Port Allegany for more than 125 years, and Ardagh Glass Packaging—North America (AGP—North America) has recently increased its efforts to capture recyclable glass containers across Mckean County communities.

AGP—North America, a leading U.S. supplier of infinitely recyclable, sustainable glass packaging, has partnered with Prism Glass Recycling of Erie, the Mckean County Conservation District, Mckean Trucking, and RecycAll for a free glass recycling drop-off program in nine local communities.

Prism Glass Recycling (Prism) launched a similar glass recycling program for Erie area residents in February 2021, which has grown to 19 locations across Erie County. Prism later expanded to offer commercial services, and together both streams diverted a total of 375 tons of glass from the landfill in 2021.

Prism Glass Recycling falls under the Erie Management Group umbrella, joining HERO BX and Calypso Enterprises in the S13 Industrial Park, led by Erie entrepreneur Samuel P. "Pat" Black, III and his daughter Sumi James-Black.

Knowing the immediate proximity of Ardagh and materials processor RecycAll, Prism approached both in late summer 2021 to establish a county-wide drop-off program. Mckean Trucking was immediately on hand to support the efforts and the Mckean County Conservation District soon followed, eager to help divert recyclable glass material from the landfill and into AGP—North America's Fort Allegany manufacturing facility.

"All of the facilities are literally within miles of each other, which is unique in the glass recycling industry," said Laura Guncheon, Vice President, Project Management at EMG, who spearheads the project for Prism and is a Port Allegany resident. "Ardagh Glass Packaging's manufacturing facility is an essential employer for the region and anything we can do collectively to keep them there and operating for another 125 years, we'll do it."

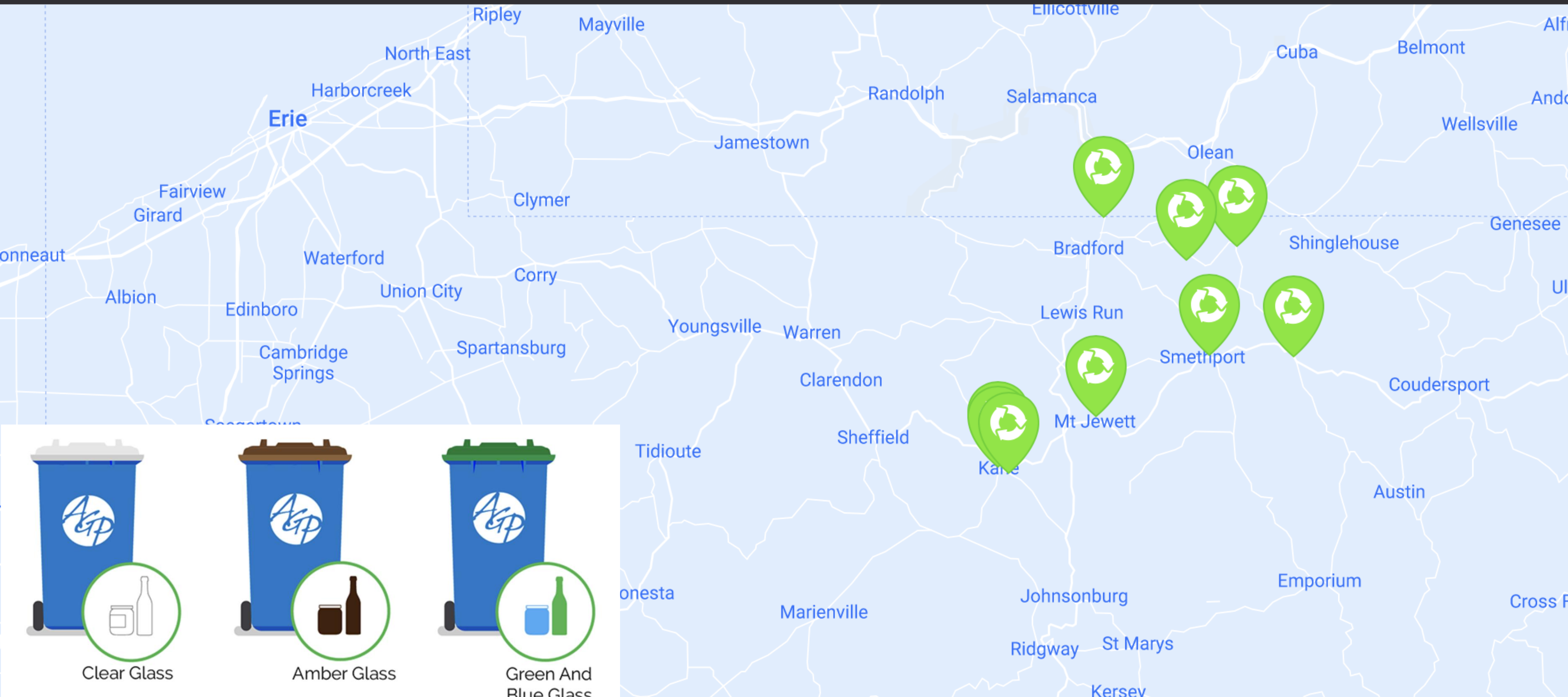
The request was timely, relative to the glass industry working collectively to achieve a more sustainable future for glass manufacturing. Increasing recycling and use of recycled content is critical for Ardagh's sustainability goals and those of its customers.

"We are thrilled that glass collection recycling programs across the nation has proven problematic for several reasons. This is what a circular economy is all about."

"We are passionate to help



9 LOCATIONS MCKEAN COUNTY



Clear Glass



Amber Glass



Green And Blue Glass

WHAT CAN YOU RECYCLE?

GLASS BOTTLES AND JARS ONLY

- Bottles and jars must be sorted by color into the clearly marked carts at each collection station
- Remove lids, caps, and corks; labels can stay on
- Bags and boxes you use to bring your glass must be disposed of elsewhere



Food & Beverage



Fragrance & Oils



Candle Jars

ABSOLUTELY NO window glass, mirrors, ceramics, lab glass, baking dishes, light bulbs or tubes, safety glass, auto glass, drinking cups, mugs, or glasses.



CURBSIDE 'ZERO SORT' vs DROP OFF

FREQUENTLY ASKED QUESTIONS

What is Zero-Sort® Recycling?

Zero-Sort Recycling is Casella's state-of-the-art process which enables paper, cardboard, plastic, glass, and metal to be collected together in one bin eliminating the need for you to separate recyclables.

Can I throw trash and recyclables into my Zero-Sort Recycling bin?

NO. Your Zero-Sort Recycling bin is for Zero-Sort recyclables only. Items that can't be recycled should be tossed into your trash bin.

Can I put grocery bags into my Zero-Sort bin or place recyclables in plastic bags?

NO. Plastic bags of any kind are not accepted in Zero-Sort Recycling. To recycle grocery bags, please bring them to a participating grocery or retail store.

How should I prepare my recyclables?

Recyclables should be rinsed clean of any food waste. Corrugated cardboard boxes should be broken down into 2' max pieces. Lids and caps can remain on empty plastic bottles. **DO NOT** tie newspaper or cardboard with twine.

What type of metal can I recycle?

Aluminum and tin cans are acceptable. Pots, pans, and scrap metal such as automotive parts, motors, and appliances are **NOT ALLOWED.**

What are large items?

Items made of soda crates, large plastic chairs, general house

GIVING RESOURCES NEW LIFE®

Zero-Sort® Recycling puts your discarded materials back into the world and not into the landfill.



Learn more about the recycling

WELCOME TO CASELLA'S CURBSIDE TRASH AND ZERO-SORT® RECYCLING COLLECTION



This reference guide provides detailed information about your residential curbside trash and recycling collection service.



McKEAN COUNTY
CONSERVATION DISTRICT

ArdaghGlass Packaging



MCKAN TRUCKING, LLC
SMETHPORT, PA
814-598-8644



TONNAGE

| | A | B | C | D | E | F | G | H |
|----|----------------------|---------------|---------------|---------------|--------------|---------------|----------|-------------------|
| 1 | | 13-May | 18-May | 24-Jun | 7-Jul | 26-Jul | | |
| 2 | | | | | | | | |
| 3 | Route total | | | | | | | Total Tons |
| 4 | Flint | 0 | 2.1 | 0 | 2.31 | | | 4.41 |
| 5 | Green | 0 | 0 | 0 | 0 | | | 0 |
| 6 | Brown | 1.54 | 0 | 1.4 | 0 | 1.75 | | 4.69 |
| 7 | | | | | | | | |
| 8 | Extra Pickups | | | | | | | |
| 9 | Flint | | | | | | | |
| 10 | Green | | | | | | | |
| 11 | Brown | | | | | | | |
| 12 | | | | | | | | |
| 13 | Total | 1.54 | 2.1 | 1.4 | 2.31 | 1.75 | 0 | 9.1 |
| 14 | | | | | | | | |
| 15 | | | | | | | | |
| 16 | | | | | | | | |
| 17 | Costa's | | 3 | 2 | 4 | 4 | | 9 |
| 18 | Smethport Legion | | 1 | 4 | 2 | 6 | | 7 |
| 19 | Mt Jewett | | 2 | 5 | 2 | 1 | | 9 |
| 20 | Wetmore Twp | | 2 | 1 | closed | closed | | 3 |
| 21 | Haberberger | | 1 | 1 | 2 | 1 | | 4 |
| 22 | Kane Save A Lot | | 8 | 5 | 10 | 4 | | 23 |
| 23 | Foster Township | | 4 | 1 | 4 | 1 | | 9 |
| 24 | Otto Eldred | | 6 | 0 | 1 | skip | | 7 |
| 25 | Eldred Boro | | 1 | 4 | 4 | 5 | | 9 |
| 26 | Port Allegany | | 5 | 2 | 7 | 4 | | 14 |
| 27 | | | 33 | 25 | 36 | 26 | | |
| 28 | | | 4,200 | 2,810 | 4,620 | 3,580 | | 94 |
| 29 | | | | | | | | |



- McKean County = 41,000 residents
- Bradford 8,200
 - Kane 3,500
 - Port Allegany 2,400
 - Smethport 1,600
 - Eldred 637

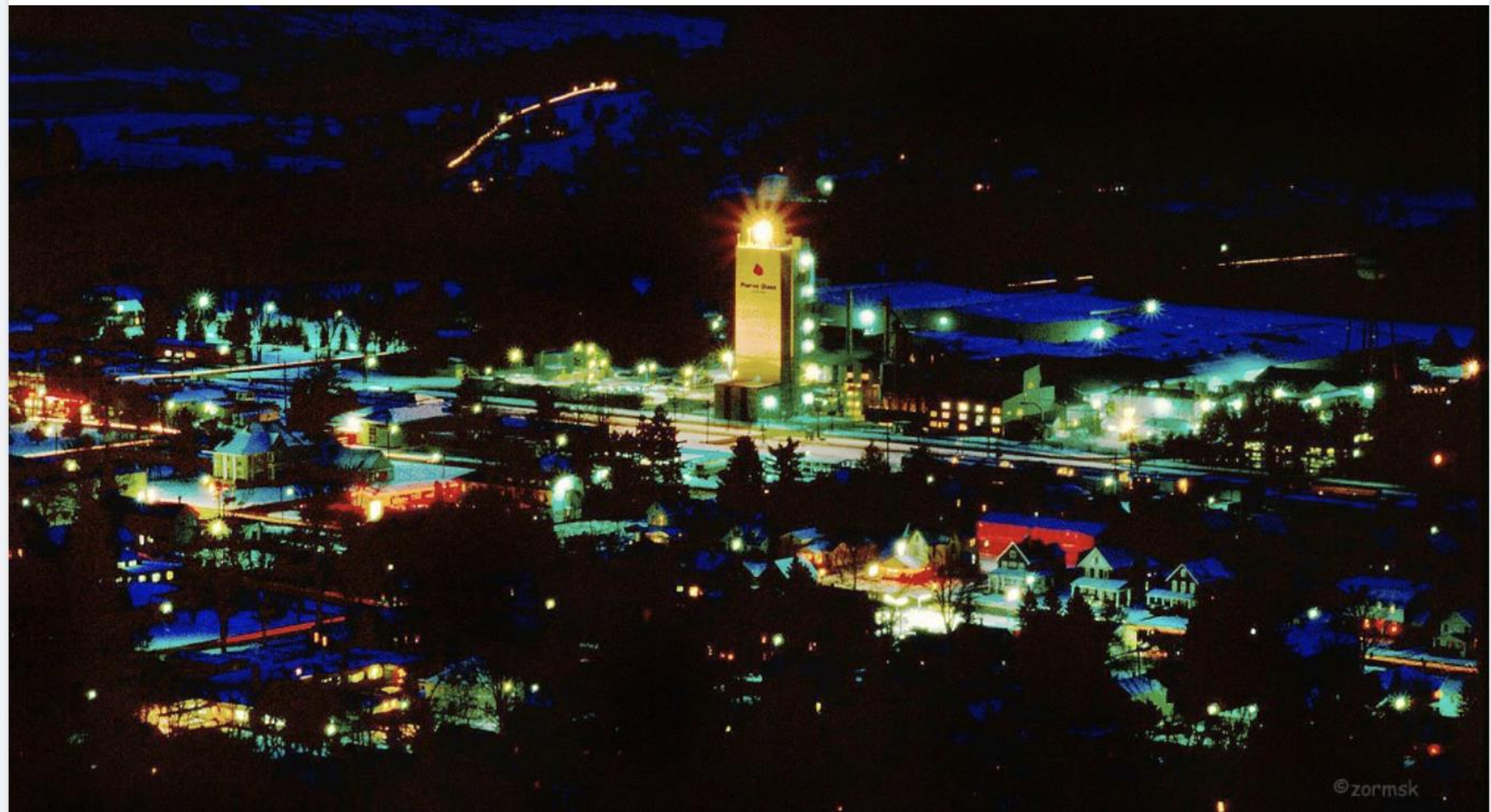




PRISM

GLASS RECYCLING

Laura E. Guncheon, M.S.
Vice President
Project Management Office
Erie Management Group
lguncheon@eriemg.com
814.464.3677



ERIE AREA COUNCIL
OF GOVERNMENTS



MCKEAN COUNTY
CONSERVATION DISTRICT

