



Welcome to Foam Cycle

Foam Cycle is the first patented foam packaging (aka Styrofoam) collection, densifying and recycling system designed to be placed at outdoor municipal recycling drop off centers.



So what exactly is “Styrofoam”?

Styrofoam - A trademarked brand of the DuPont company for a product commonly called "Blue Board" - a foam insulation board used in walls, roofs and foundations



What most people *incorrectly* call Styrofoam is really either one of two materials:

Foam Packaging - *Expanded Polystyrene (EPS)* coolers, furniture & electronics packaging material

OR

Food Service Foam - *Polystyrene (PS)* foam cups, plates, egg cartons, takeout food containers



Both foam types can be identified by the #6 recycling symbol





The Dilemma...

Place that foam cooler in the trash container? *or* Place it in the recycling container?

The Reality...

Either scenario it will end up in the landfill



Introducing the
Foam Cycle foam packaging
recycling system



The densifier can reduce foam packaging waste at a **90-1 ratio**



How to **measure impact** of the Foam Cycle system at SCMUA recycling drop off center?

125-CY trailer with loose foam packaging waste = 3,500 lbs

Densify the foam into 3 pallets of ingots = 3,500 lbs

Save **valuable landfill air space** while creating a resource for new circular economy products!

How to **measure impact** for SustainAbility's Foam Recycling Program?

One Year = 18,000 lbs Packaging Foam collected at recycling drop-off center

= 13,846 CF Landfill airspace (\$346.50 in tip fees)

= 3.63 Trailer loads of foam NOT being trucked to recycling facility

= \$2,763.00 additional revenue for marketing the densified foam



FOAM RECYCLING

ENVIRONMENTAL IMPACT REPORT

PROGRAM DATE: 11/1/2021 – 10/20/2022



18,000 Lbs of Packaging Foam Recycled

13,846 Cubic Feet in Landfill Airspace Savings (\$346.50 in Tipping Fees)



3.63 in Reduced Trucking (53 ft Trailers)



\$2,763.00 in Added Value Marketing Foam



Prepared for SustainAbility by

*Conversion metric source: FRC Landfill Space Saved Per Year <https://www.recyclefoam.org/grants>



MOST RECYCLED CONTENT ON THE MARKET



Turning Recycled Foam Waste into a Circular Economy Product

The **SOPRA-XPS** foam insulation board is made from recycled polystyrene

Examples: Foodservice foam products (cups, trays, takeout containers)
& protective packaging foam for electronics and household appliances.



Foam Collection Cargo Trailer
The answer to develop a *Hub & Spoke* foam recycling program!

Foam Cycle System Pricing

The complete and patented Foam Cycle system includes the following equipment:

1. One 20'x8', ISO certified metal **Foam Container Housing** unit that is fully painted and includes all signage. This container is equipped with two 8' wide aluminum roll-up doors, LED interior lights, dual mounted exhaust fans, electrical circuit panel.
 2. One 48w" x 76"h metal outdoor **Foam Collection Container**.
 3. One **200** lb. per hour, **Foam Densifier** machine. This densifier can process and densify Foam Packaging waste (coolers, furniture, TV and electronic packaging) as well as Food Service Foam (cups, plates, clamshells, egg cartons, meat trays).
 4. The price of the above listed package is **\$79,500**.
- **Additional Foam Collection Containers**: The cost per container is **\$2,700**. Each container comes with three (3) large poly bags. Additional bags are available for purchase.
 - **Foam Collection Cargo Trailer**: Cost is **\$12,000** which includes a custom wrap.
 - **Electric**: Electric required for the Foam Cycle container and stand alone foam densifier is 4 wire / 220v / 3 phase / 60 amp service. Power is provided by the customer and once installed, a Foam Cycle tech will be sent to connect and start the densifier (this service is included). 480v powered units are available.
 - **On-Site Training**: On-site training and marketing assistance are included.
 - **Delivery**: Delivery charges are not included.





Thank You!

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