

# Glass Recycling

Understanding glass recycling  
and best practices



# Why Recycle Glass

- Only about 1/3 of all glass is recycled
- Glass recycling promotes a circular economy
- Recycling keeps items out of the trash and CT currently is experiencing a waste surplus, forcing trash to be trucked to out of state landfills
- Trumbull glass is predominantly processed locally into a cement material used in concrete applications



## 2 Glass Recycling Options

### TRANSFER STATION DROP OFF\*

- Removing glass from curbside recycling reduces the total weight of Trumbull's residential recycling which equates to a cost savings to taxpayers
- Clean glass drop off recycling is FREE and ensures all the glass is recycled locally and prevents contamination of your other recyclables

***\* Dropping off glass recycling is OPTIONAL at this time but is considered BEST PRACTICE***

### CURBSIDE, SINGLE-STREAM RECYCLING

- Glass is accepted with curbside recycling, but is heavy and increases the total weight and recycling costs to taxpayers
- Broken glass can contaminate the entire load of single stream recycling, causing otherwise recyclable items to be moved to the trash
- CT is in a waste crisis with too much trash forcing us to transport trash to out of state landfills, a costly and energy intensive process

# The glass recycling process

1



Glass is collected at the Transfer Station (and via single stream recycling)



2

Glass material is transported to Urban Mining's glass processing facility in Beacon Fall, CT



Glass obtained from single-stream recycling requires sorting to remove contamination such as caps and batteries (drop off ensures all glass is clean and ready for recycling)

3

Clean glass is ground to a fine white powder used to make Pozzotive, a cement-like mixture that uses only 6% of the carbon used in petroleum based cement



4



Pozzotive is then used in various concrete applications such as bridges and school buildings here in CT



Connecticut DOT | Fairfield Avenue Bridge Project

# Learn more...

- <https://pozzotive.com/>
- [https://www.youtube.com/watch?v=\\_HEyB\\_UJt78](https://www.youtube.com/watch?v=_HEyB_UJt78)
- [https://www.youtube.com/watch?v=63-lDaV\\_l8A](https://www.youtube.com/watch?v=63-lDaV_l8A)