

Plastic Pollution Relief and Prevention Program

The purpose of this program is to reduce and prevent plastic pollution.

This program focuses on three main objectives: business collections, residential collections, and environmental collections.

In order to ensure clean communities and to reduce plastic pollution, Pozzi Recycles will reuse and or recycle all the plastic generated through this program. The company will collect donated plastics from the commercial, residential, educational, environmental and entertainment sectors.

Pozzi recycles will accept these non monetary donations to purchase machines that will help the company re-purpose and reuse collected recyclable plastic to reduce the amount of plastic pollution the world is accumulating while also providing creative solutions with the reused plastic. These machines include but are not limited to a shredder, a 3d printer, an injector and a sheet press.

Business Collections

Pozzi Recycles will provide businesses with a no cost beverage container collection service. The plastic will be used according to this program and any liquids remaining in those containers will be re-purposed according to the company water purification and redistribution program. Each service plan will be flexible to the supporters' requests.

Residential Collections

Pozzi Recycles will reuse and recycle as much plastic as possible from residents in America and then the world. Residents will be given a no cost beverage container collection service so people can support crisis relief and prevention in a creative and cost effective manner. Each service plan will be flexible to the supporters' requests.

Environmental Collections

Pozzi Recycles will provide no cost beverage container collection services to entities that operate in natural environments such as National Forests and Recreational Areas near rivers and woods . This is because plastic pollution will be an ongoing problem and the solution must be cost effective. The company will also provide free clean up services within the collection service for these locations.

-IN DEPTH DESCRIPTION-

The United States generated 42 million metric tons of plastic waste in 2016. This is largely in part due to plastic being a cheaper alternative for many industries. Unfortunately, the plastic has an unusually long decomposition cycle leading to ecosystem destruction.

This program is very simple. Plastic is accumulated and re-purposed or recycled. Plastic is accumulated through Pozzi Recycles Beverage Container Collection program and California Clean Up program. This plastic is first put through a shredder and then through an extrusion machine. Then it can be put onto a sheet press or into an injection machine.

This program utilizes the following equipment:

Shredder: A shredder slices the plastic into small flakes. It can shred up to 110 pounds of plastic per hour. (\$1,600.00)

Extrusion Machine: An extrusion Machine extruded plastic into a mould for further processing. It can extruder 44 pounds of plastic per hour. (\$600.00)

Sheet Press: A sheet press presses plastic into recycled sheets. The sheets can be up to 44 pounds per sheet. (\$3,000)

Injection Machine: An Injection Machine heats the shredded plastic flakes which are then injected into a mould. (\$450.00)

The re-purposed plastic will be sold to many industries at a lower price than newly created plastic to curb the production of new plastic. Much of the re-purposed plastic will be used to further increase public safety.

Works Cited

The United States generated 42 million metric tons of plastic waste in 2016.

(E360.YALE.EDU/digest/u-s-is-a-larger-source-of-plastic-pollution-than-previously-thought-reports

finds#:~:text=The%20United%20States%20generates%20more,in20the%20journal%20science%20advances.)

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(PRECIOUSPLASTIC.COM/solutions/machines/overview.html)