



**Solid Waste Division**

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## **FY24 General Recycling Grant Application**

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3. Relocate an underutilized baler from Twin Chimneys Landfill to the Blackberry Valley Residential Waste and Recycling Center and construct a 14' x 14' pyramid shaped steel canopy to cover the baler, with one 10" center post. A steel canopy with one center post is located at Greenville County's other Residential Waste and Recycling Centers and is preferred due to the safety and ease of maneuvering cardboard bales from the baler on a pallet jack to a separate area to await transport from our vendor. (see attached photo) This will reduce the volume of cardboard in the fiber container and reduce the number of bin pulls per week. Greenville County's contractor cost to service the recycling bins has doubled and Greenville County is burdened with Greater Greenville Sanitation Commission discontinuing their recycling program. Greenville County anticipates an increase in citizens recycling at this location since Blackberry Valley Residential Waste and Recycling Center is within the Greater Greenville Sanitation Commission service area comprised of 4,385 displaced recyclers as of March 30, 2023 and use of a baler will provide an increase in tons of cardboard collected and reduce the number of bin pulls per week.
4. All types of cardboard will be included in this project (corrugated cardboard, waxed cardboard and paperboard). The targeted source for the material will be citizens utilizing the Blackberry Valley Residential Waste and Recycling Center. Over 181,000 citizens utilize this center on an annual basis.

5. This project is in the planning stage.
6. Currently, cardboard is taken to the Blackberry Valley Residential Waste and Recycling Center, by citizens hauling their own waste and recyclables to the center. Cardboard is separated and broken down by residents into a size small enough to fit into a typical recycling drop box. The recycling roll off container awaits transport from our vendor, Republic Industries. Republic Industries delivers the recycling roll off contents to Pratt Industries where it is sorted, baled and sold. A combination of inconvenience and available capacity inhibit our ability to reclaim more material.
7. Changes would include, the materials will be dropped off at the Blackberry Valley Residential Waste and Recycling Center by citizens hauling their own waste and recyclables to the center. The cardboard will be placed in the baler and once baled will await transport from our vendor. The current vendor is Pratt Industries and they pick up bales once a month or when five (5) or more bales are ready for pick up. Pratt Industries markets the cardboard.
8. Pratt Industries will pick up the bales and market the cardboard.
9. Most of the education for this program will be implemented by the center operators along with banners and signs. Center operators will begin encouraging residents using the recycling drop box to conserve the capacity in the mixed paper compartment by placing their cardboard in the baler. They will also work with the customers disposing of their municipal solid waste to divert their cardboard to the baling area. We will advertise the change to our program with a banner located on site.
10. From January-December 2022, the Blackberry Valley Residential Waste and Recycling Center collected and recycled 80 tons of paper and cardboard from citizens visiting the location. Currently, small quantities of cardboard taken to the Blackberry Valley Residential Waste and Recycling Center are source separated and broken down by residents into a size small enough to fit into a typical recycling drop box. Most residents commingle their cardboard with their municipal solid waste. A combination of inconvenience and available capacity inhibit our ability to reclaim more material.
11. In a similar situation, in the twelve months preceding installation of a baler at the Piedmont Residential Waste and Recycling Center location, we recovered 86 tons of cardboard and mixed paper in our recycling drop box container. As a result of the installation of a dedicated cardboard baler at this location, we showed a 57% increase; therefore we expect to collect additional tonnage at the Blackberry Valley Residential Waste and Recycling Center with the combination of the baler and the recycling drop box container. Also, this location is within the Greater Greenville Sanitation Commission service area

comprised of 4,385 displaced recyclers as of March 30, 2023, and use of a baler will provide an increase in tons of cardboard collected.

12. We arrived at the increase by the following formula: Divide the amount of cardboard and paper recovered in the recycling drop box container preceding the installation of the cardboard baler at Piedmont Residential Waste and Recycling Center (85.61 tons) by the tons of cardboard recovered in combination of the baler and the recycling drop box container twelve months following installation of the baler (150.82 tons) to arrive at the percent increase.  $85.61 \text{ tons of mixed paper and cardboard} / 150.82 \text{ tons of cardboard and mixed paper in the baler and the container} = 57\%$  increase in tons of cardboard recycled.
13. N/A
14. N/A
15. Grant funds are requested to relocate a cardboard baler and construct a 14' x 14' pyramid shaped steel canopy with one 10" center post at the Blackberry Valley Residential Waste and Recycling Center, 409 Blackberry Valley Road, Greenville, SC 29617.
- Relocate Cardboard Baler \$ 2,000
  - 14'x14' pyramid shape steel canopy with 10" center post \$18,000
- Total funds requested \$20,000.00.**
16. Greenville County will continue to pay any additional expenses incurred that exceed grant funding.