

**Narrative: Windrow Turner, Baler Press, Waste Loader and 65 Gallon Recycling Containers
City of Rapid City
Solid Waste Department**

Executive Summary

Rapid City Solid Waste is in need of a new windrow turner, a baling press, a MRF loader, and 648 65-gallon recycling containers. The Rapid City Solid Waste composting has been in existence since 1993 and much of the machinery used for this has been in use since 1993. The Materials Recovery Facility (MRF) was completed in 1996 when the Mosley Gorilla baler was installed and continues to be in use.

The Rapid City solid waste began composting yard waste in 1993. In 2003, the Solid Waste Operations produced 4,000 tons of yard waste compost; today the facility processes and produces 14,000 tons. The co-compost production began in 2003. This facility and its machinery are in need of updates to continue to work of composting and recycling for this community.

Project Narrative

The existing windrow turner used in the production of compost is over 25 years old; it has been the only windrow turner in use since the inception of compost production at the Rapid City Landfill. Many parts have been either replaced or rebuilt. The parts on the machine are now obsolete. For us to continue to produce a quality product the need for a new windrow turner is necessary.

The existing baling press is the original baling press placed in the Materials Recovery Facility in 1996. This baling press bales cardboard, newspaper, aluminum, steel and shredded steel, it has served us well but presently parts are unavailable.

The MRF loader is in constant use moving recycling and garbage to their respective conveyor belts ultimately with this much use repairs are constantly needed.

Our communities' population has grown to over 74,000 and our curbside collection has grown to over 20,000 stops, ultimately recycling continues to grow and an increase in our recycling containers from a 35 gallon to 65 gallon container will help continue that growth.

Budgetary Information

Komptech Topturn X-63 Windrow Turner 2019 - \$589,000

Harris Two Ram Baling Press - \$537,287

Caterpillar Model 950M MRF Waste Handler Wheel Loader - \$341,695

Rehrig 65-gallon recycling containers 649 pcs - \$31,137

Total Amount \$1,499,119