

MRF of the Month

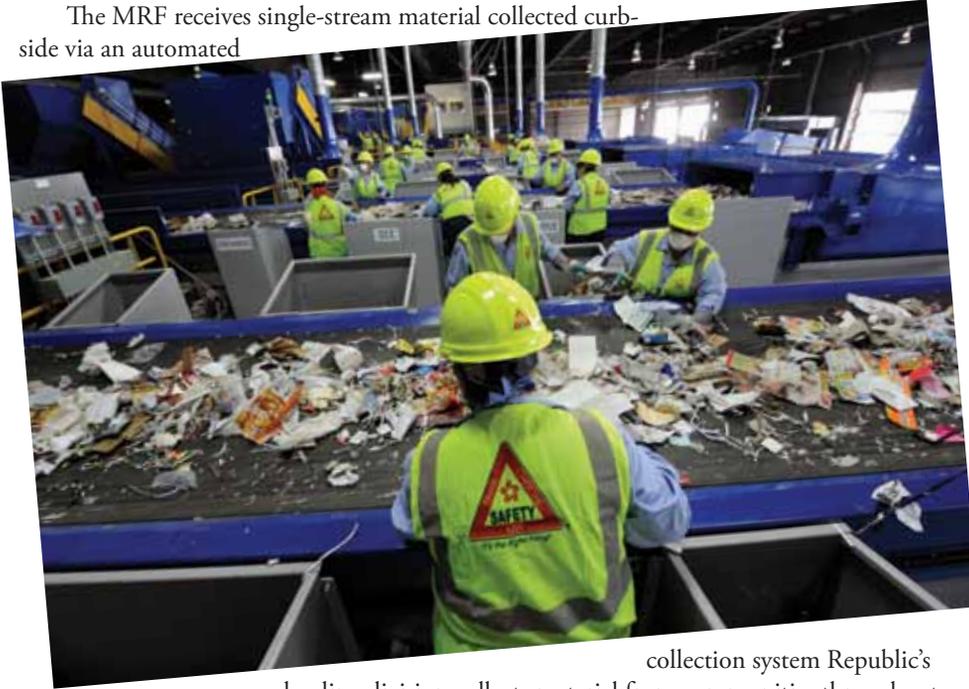
Republic Services' Recycling Complex

In the heart of sunny Orange County, Republic Services' Recycling Complex celebrated its 20th anniversary last year by launching a multi-year modernization project, revamping the facility's residential single-stream system and viewing center for the MRF.

Phase one of the project, begun in July 2011 and completed this past January, saw the facility's 20 tons-per-hour (tph) residential single-stream system be replaced by a new, highly-automated 50 tph single-stream system designed, manufactured and installed by Bulk Handling Systems. Balers were supplied by Enterprise Baling Co.

Phase two of modernizing the 240,000-square-foot recycling complex, which includes an overhaul of the facility's commercial single-stream system, will be completed in 2013.

The MRF receives single-stream material collected curb-side via an automated



collection system Republic's hauling division collects material from communities throughout Orange and San Bernardino Counties, including Anaheim, Brea, Chino Hill, Colton, Fullerton, Garden Grove, Loma Linda, Placentia, Villa Park and Yorba Linda.

Approximately 60 percent of the material Republic Services' Recycling Complex processes is fiber and 20 percent is commingled containers. "The system is designed to recover 95 percent of the recyclable materials," according to the company, "and while the equipment is designed for 50 tph, it is capable of 600 tons per day."



Technical Specifications*

Republic Services' Recycling Complex

Location:

Anaheim, California

Start-up date:

The original single-stream system was installed in 1992, with a commercial sorting system following in 1994 and a green waste facility in 2004.

Number of processing lines:

Three. One commercial processing line and dual single-stream lines.

Throughput:

50 tons per hour

Residue rate:

20-25 percent

In addition to single-stream materials, the MRF processes commercial waste, C&D (construction and demolition materials), green waste, white goods and electronic scrap, and includes public buy-back and disposal centers.

Also, as part of the overhaul the facility now features skylights, reducing the need for artificial lighting and automated storage bunkers eliminate the need for loaders to push material into the balers and “eliminates double handling of finished commodities.” The MRF also features an “Eco Center,” a viewing space designed to “help educate stakeholders, giving a front-line view of what happens to their waste.”

Republic Services’ Recycling Complex runs two shifts, five days per week, employing almost 300 people.



*Know of a North American MRF that you feel *Resource Recycling* readers should know about? If so, e-mail your recommendation, with high-resolution pictures, to dylan@resource-recycling.com, and your facility may just be highlighted in a future “MRF of the Month” column.