

SHOREWAY ENVIRONMENTAL CENTER

South Bayside Waste Management Authority | San Carlos, CA



Key Features

- 2012 SWANA Gold Recycling System Excellence Award
- The existing transfer facility handled 434,000 tons of solid waste
- On a peak day MRF is processing 230 tpd of recycled material
- Increased diversion
- Public recycling drop off area ahead of scales
- Public waste and organics drop off after scales
- Maintain operations during construction

The South Bayside Waste Management Authority (SBWMA), owner of the 16-acre facility, is the hub of solid waste services for the Mid-Peninsula area and includes the collection vehicle fleet, a materials recovery facility (MRF) and a transfer station. In 2011 the SBWMA completed a \$30 million capital remodel of the facility. The primary goal for transformation of the Shoreway Environmental Center (SEC) was to upgrade the recycling infrastructure required to handle new waste collection services provided to the 500,000 residents and 10,000 businesses in the 12-city service area. While the master plan infrastructure improvement program goals were efficiency minded, the redesign of these facilities provided the opportunity to demonstrate the SBWMA commitment to broader community sustainability goals. The SEC now serves as a working model of sustainability to support environmental policy in the Bay Area and throughout the county.

HDR provided LEED®/sustainability services, as well as site civil, mechanical and electrical design services for the SEC, which includes: (1) a new state-of-the-art MRF for sorting single stream recyclables from residents and businesses; (2) expanded transfer station for more recycling and customer convenience; (3) green building features, such as solar panels and use of natural light; and (4) new environmental education center and demonstration gardens. The new SEC is a national model for sustainable building practices and innovative recycling and material handling operations.

The SBWMA was required to make significant capital investments and improvements to the Shoreway Recycling and Disposal Center (SRDC) facility to accommodate the addition of the single-stream processing equipment. The program planning considered how best to make these necessary modifications for improved efficiency, incorporating the latest processing technologies for handling single-stream recyclables, and addressing other deficiencies under the existing conditions. The new design also allows for the public to drop off recyclables ahead of the scale, separates the public from the commercial lanes, allows for separate organic transfer, and even lets customers take bags of compost with them.

Selecting a preferred program allowed the solicitation of bids for collection services and for operation services of the SRDC facilities. While the solicitation progress was underway the SBWMA could develop a more detail capital improvement plan. The SBWMA is committed to sustainable design construction practices for the SEC improvements. The following sustainability goals were set for this project:

- Energy conservation and efficiency
- Indoor environmental and air quality
- Site improvements
- Water efficiency
- Material and resource efficiency
- Innovation and community engagement



www.hdrinc.com