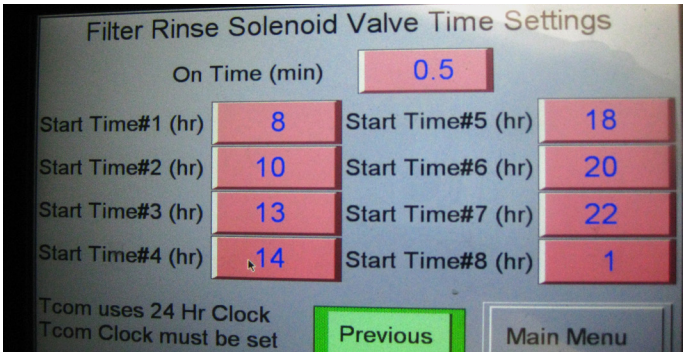
HOUSING AUTHORITY OF THE CITY OF SAN BUENAVENTURA

Rancho Verde Apartments Greywater Treatment and Recycling

Ventura, California



From top: The entrance to Rancho Verde Apartments; Recirculating sand filter integrated into the landscape; The touchscreen display of the greywater control panel.

A LEED Platinum low-income rental community in an arid region demonstrates sustainable water management by treating and recycling its greywater on site.

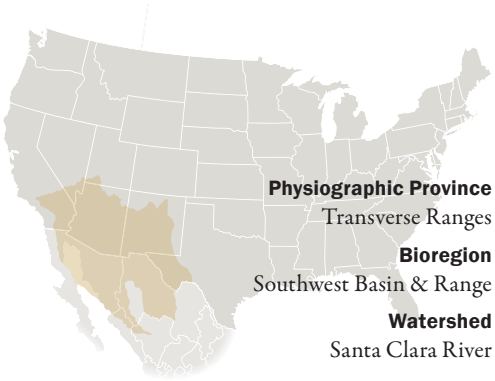
When the Buenaventura, California Housing Authority was developing Rancho Verde, a multi-family, rental low-income housing community for agricultural workers, they sought a sustainable and precedent-setting solution for water management. The site was originally left in trust to the University of California for use related to regional sustainability and agriculture.

Working with an integrated design team, Biohabitats developed a system that collects and treats greywater from the community's laundry facilities and recycles it for use in landscape irrigation. The design criteria required the system to be simple to construct, operate, and maintain. The system, which includes a self-cleaning cascade pre-filter, pump basin, recirculating sand filter, and tertiary filtration, reuses treated water for landscape irrigation, offsetting a minimum of 50% of the demand. It is capable of recycling approximately 600 gallons of water per day into a consistent, sustainable supply.

In addition to making a positive impact on local water use and educating tenants and owners, the system also allowed the developer to obtain sizable USDA Rural Farmworker Housing Grant program and achieve LEED Platinum certification.

SERVICES

Engage
Assess
Plan
Engineer & Design



Physiographic Province
Transverse Ranges

Bioregion
Southwest Basin & Range

Watershed
Santa Clara River

Biohabitats
SOUTHWEST BASIN & RANGE BIOREGION
800.220.0919
www.biohabitats.com