

## Palm Valley Water Reclamation Facility

The Palm Valley Water Reclamation Facility (WRF) recycles wastewater to high quality, usable effluent to benefit both the West Valley community and the environment. Today, 99 percent of the influent wastewater entering the Palm Valley WRF is treated to Class A+ effluent quality. The effluent benefits the local community by providing an additional source of water, a rare and precious resource to all of Arizona.

The WRF utilizes an enhanced PERC ASP™ sequential batch reactor process that not only produces high quality recycled water, but it does this through a natural, biological process emitting no offsite odor; all within the smallest footprint in the industry. This innovative technology has made it possible to locate the facility essentially in the center of SunCor's Palm Valley master planned community, which is generally not possible with standard wastewater treatment plants. The PERC ASP™ wastewater treatment process the Palm Valley WRF utilizes is both technologically advanced and environmentally safe.

ENVIRONMENTAL TECHNOLOGIES

PRIVATE SECTOR



*Award Recipient:* David W. Ellis  
*Submitted by:* Litchfield Park Service Company

**BUILDINGS & STRUCTURES - *COMMERCIAL***  
**Public Works**

Public Safety Facility  
Award Recipient: Terry DeQuina  
Submitted by: DMB Associates

Palm Valley Water Reclamation Facility  
Award Recipient: David W. Ellis  
Submitted by: Litchfield Park Service Company

**BUILDINGS & STRUCTURES - *COMMERCIAL***  
**Public Assembly**

Desert Marigold Strawbale Classroom Building  
Award Recipient: Tom Hahn  
Submitted by: Sol Source Architecture