

## **2015 Federal Energy and Water Management Award Winner**

The Federal Energy and Water Management Awards recognize individuals, groups, and agencies for their outstanding contributions in the areas of energy efficiency, water conservation, and the use of advanced and renewable energy technologies at federal facilities

### **Bureau of Reclamation - Western Colorado Area Office**

U.S Department of the Interior

Animas-La Plata Permanent Operating Facility

Janet Wiley Architects, PC

Weeminuche Construction Authority

Durango, Colorado

In FY 2014 the Animas-La Plata Permanent Operating Facility (POF) became the Bureau of Reclamation's first Leadership in Energy and Environmental Design (LEED) certified building in Upper Colorado Region and one of the first in Reclamation to comply 100% with the Guiding Principles for High Performing and Sustainable Buildings and achieve LEED Gold certification. It was demonstrated through stringent verification and validation procedures that the combination of a passive solar wall, high-efficiency lighting and heating, ventilation, and air conditioning, and natural lighting provide 51% efficiency over standard requirements. The building's remaining electricity demand is met with renewable hydroelectric power through the Western Area Power Administration and is transmitted to the POF through a dedicated power transmission line. The building uses water conserving plumbing fixtures and fittings with auto shutoff, and utilizes xeriscaping and other natural landscaping to eliminate irrigation requirements, for an estimated 37% reduction in water use compared to the baseline. The energy efficient design is estimated to avoid 52 metric tons of carbon emissions per year.