

# Federal Energy and Water Management AWARDS 2013



*131 kW photovoltaic array on the roof of the VA Automation Center, Austin, Texas*



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During FY 2012, the GSA Greater Southwest Region used three energy savings performance contracts (ESPCs) to leverage American Reinvestment and Recovery Act funds to deliver \$68 million in high performance green buildings projects. For this total investment, of which \$15.1 million was third-party financed, the Region accomplished energy and water conservation projects in 75 GSA facilities to save an estimated \$4.5 million per year in utility costs. Bundling renewable projects with shorter payback measures allowed for inclusion of 13 photovoltaic systems totaling 1.5 megawatts in capacity, two solar thermal systems, and one wind turbine, together producing about 7.8 billion Btu in

electricity. In total, all projects yielded about 155.7 billion Btu and 25 million gallons of estimated energy and water savings in FY 2012.

The ESPCs were used to bundle facilities spread throughout Texas, New Mexico, Louisiana, Arkansas, and Oklahoma into groups, saving money through economies of scale. This allowed the region to implement energy and water conservation projects in smaller or more remote facilities where they might not have been cost-effective as stand-alone projects. In addition, projects were developed and managed by fewer employees than through traditional construction methods.