

## Omidyar K – 1 Neighborhood

Punahou School, HI

The Omidyar K – 1 Neighborhood was completed in 2010 by Hawaiian Dredging Construction Company, Inc. and designed by Urban Works, Inc. and PBR Hawaii & Associates, Inc. to include bioswales, cisterns, photovoltaic panels to provide approximately 60 percent of the neighborhood's total energy demand, native plantings, and energy-efficient lighting and air-conditioning system with occupancy and daylight sensors for a total project cost of \$26 M.

The Omidyar K – 1 Neighborhood is comprised of 12 classrooms, each with a 350 square-foot lanai, outdoor amphitheater, outdoor learning and play areas, and interactive sustainability features (cisterns, windmill, classroom garden plots, etc.) to serve 300 students on a three acre site. The project achieved Energy and Environmental Design (LEED) Platinum certification through energy conservation, indoor environmental quality, water efficiency, and storm water quality and quantity credits.

The bioswales, weaving through the entire site, not only demonstrate sustainable storm water management but also educate on the hydrologic cycle. The fire lane, constructed of grass pavers, allows for greater access to open space as well as storm water quality and quantity improvements. For more information access the project's interactive website (<http://buildingdashboard.com/clients/punahou/>) that provides current energy consumption data for the neighborhood.



Images from site visit on August 4, 2011

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