

## Kayenta Staff Quarters

DES Project Manager.....	Stephen Christopher, PE
Location .....	Kayenta AZ
Area Office.....	Navajo Area
Tribe(s) Served.....	Navajo Nation
Design Start.....	September 2013
Const. Start.....	March 2014 (estimated)
Const. Completion.....	February 2016 (estimated)
Size.....	129 Single Family, Multiple Family, and Transient Units
Contract Type .....	Direct Federal (Design /Build)
Architect.....	JSRa, Inc. (Tucson AZ)
Prime Contractor.....	M. Greenberg Construction (Phoenix AZ)
Energy Efficiency.....	An energy consumption level 45% below the IECC-2009 Baseline is currently targeted by the D/B Team.
LEED Certification.....	A LEED for Homes v3 Gold Certification is currently targeted by the D/B Team.

### Sustainable Design Features and Methodologies (List is not Comprehensive):

- Sustainable Design Charrette conducted 10/24/13
- Use of native, non-invasive, and drought tolerant plants in landscaping plan
- Graywater Recycling of clothes washer water for use in landscape irrigation
- Solar Hot Water System capable of meeting 30% of the domestic demand
- Construction Waste Diversion rate of 50%

### Design Concept:

*"The Navajo people organize themselves as a series of nested groups. The smallest unit is the individual with their relationship to the natural world. Then those individuals combine to make families, those families expand through extended families, extended families are organized in clans, and those clans combine to become the Navajo Nation. The Site plan uses the same strategy to help the individual home connect to the entire community. Each home has its own interior space and exterior yard. Then groups of homes are clustered around a central shared exterior space to help it become a neighborhood. Then these larger neighborhoods are strung along the main road (like the traditional necklace) to become a community "*

- Johnson Smitthipong & Rosamond Architecture