



*Refuge Retreat, Residence  
Prescott, AZ*

**STRATEGY**

Remote seasonal mountaintop home with a failing well. We set up the rainwater collection system as the primary water source with well as back up. Re-guttering and snow stops were required because of the alpine conditions and tree density of the site. The local fire district was consulted with prior to the design and install. Owner also has a generator for power back-up.

**SPECIFICATIONS**

AVG. ANNUAL PRECIPITATION: 16"  
 ROOF AREA: 1250 SF  
 CAPTURE SURFACE: Factory finished metal  
 PRE-FILTRATION: 2 'Rain Harvesting' PVC rainhead filters  
 TANK: 13,000 gal. lined Core-gal tank  
 PUMP: existing booster in pump house  
 POST FILTRATION: 0.5 Micron filter, Carbon block, UV,  
 4" fire connection, 4000 gal. devoted for fire protection



† barnabas kane & associates  
**ENVIRONMENTAL DESIGN**®

**Designer:** TBKA, Barnabas Kane,  
 Adrian Adams  
**Installer:** Skywater