

Appalachian State University
Campus Renewable Energy Systems

Renewable Energy Project: Frank Hall Solar Thermal

System description (Include brief description of system with location info)	The Frank Hall Solar Thermal system is a pressurized glycol system consisting of 42, 4'X10' solar thermal collectors. 342 Stadium Height Dr., Boone, NC 28608			
Equipment manufacturer(s) (With list of all critical components in system m/u that each is associated with)	Collectors – (42) Alternate Energy Technologies AE-40 flat plate collectors Pumps – (1) Baldor Reliance Storage Tanks – (1) 1000 gallon			
Date placed in service	August 2009			
Installation contractor (Include address & contact info)	Sundance Power Systems 11 Salem Hill Road Weaverville, NC 28787		Contact – Phone – 828 645-8020	
Rated output (Nameplate capacity & anticipated yearly output)	242,170 Btu/hour nameplate capacity			
System monitoring (Remote available / certifiable)	Yes - Metasys / Yes (Onicon System 10)			
Warranty (List any warranties for equipment and time period)	Solar Thermal Collectors – 10 years Pump – 3 years			
Interconnect Agreement (Req'd / in place / date / with)	No	N/A	N/A	N/A
Power Purchase Agreement (Req'd / in place / date / with)	No	N/A	N/A	N/A
RECs available (Are RECs available to sell / how many)	Yes / Unknown			
NC GreenPower (Sellable to NCGP / price / contract)	No	N/A	N/A	
Documentation (Owner's manual, individual responsible for control)	Unknown, some digital copies – Andy McDonald and Office of Sustain M Drive			
System maintenance (Primary for system maintenance)	Physical Plant, Eric Greer			
Maintenance contract (In place / terms)				
Cost / Funding participants	\$	Who		
Other comments				