

Appalachian State University
Campus Renewable Energy Systems

Renewable Energy Project: Summit Hall Solar Thermal

System description (Include brief description of system with location info)	The Summit Hall Solar Thermal system is a pressurized glycol solar thermal system consisting of 72 flat plate solar thermal collectors and was partially funded by the ASUREI. 240 Locust St., Boone, NC 28608			
Equipment manufacturer(s) (With list of all critical components in system m/u that each is associated with)	Collectors – (72) Schuco CTE 220 CH2 flat plate collectors Pumps – (2) Wilo TOP-51.25x35, (2) Wilo Star 5 21 BU Storage Tanks – (3) 1,000 gallon Heat Exchanger - Schuco PS 2.1 LF-100US heat exchange station			
Date placed in service				
Installation contractor (Include address & contact info)	Balfour Beatty Construction 5420 Wade Park Blvd., Suite 200 Raleigh, NC 27607		Contact – Phone – 919 233-5001	
Rated output (Nameplate capacity & anticipated yearly output)	363,063 Btu/hour nameplate capacity			
System monitoring (Remote available / certifiable)	Yes / No – Sun Reports			
Warranty (List any warranties for equipment and time period)	Solar Thermal Collectors – 10 years Pumps – 2 years Heat Exchanger – 10 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)	*Unknown			
NC GreenPower (Sellable to NCGP / price / contract)	No	N/A	N/A	
Documentation (Owner's manual, individual responsible for control)	Yes, mechanical room			
System maintenance (Primary for system maintenance)	Eric Greer, Physical Plant			
Maintenance contract (In place / terms)				
Cost / Funding participants	\$	ASUREI (\$131,000) and Housing?		
Other comments	*Monitoring has installed.			