

Appalachian State University
Campus Renewable Energy Systems

Renewable Energy Project: Biodiesel Processor Facility Solar Thermal System

System description (Include brief description of system with location info)	Propylene glycol drain back system used for process heat in biodiesel processing with 2, 4'X8' and 2, 4'X10' flat plate solar thermal collectors located at 161 Ayers Lane, Boone, NC 28608			
Equipment manufacturer(s) (With list of all critical components in system m/u that each is associated with)	Panels – Tank(s) – Pumps – Taco Controller –			
Date placed in service	2005			
Installation contractor (Include address & contact info)	Technology and Environmental Design students and staff	Contact – Jeff Ramsdell Phone – 828 262-6662		
Rated output (Nameplate capacity & anticipated yearly output)	Unknown			
System monitoring (Remote available / certified)	Unknown / Yes (Onicon System 10)			
Warranty (List any warranties for equipment and time period)	n/a			
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)	No			
Documentation (Owner's manual, individual responsible for control)	Unknown			
System maintenance (Primary for system maintenance)	Technology and Environmental Design Department staff and students			
Maintenance contact (In place / terms)	No			
Cost / Funding participants	\$7,000	ASUREI funded		
Other comments	*RECs may not be pursued for this system due to the inconsistent & infrequent operations of the facility			

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