

Appalachian State University
Campus Renewable Energy Systems

Renewable Energy Project: Biodiesel Processor Facility Photovoltaic System

System description (Include brief description of system with location info)	1.7 kW pole mounted, direct grid tied photovoltaic system 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)	Modules – (10) Sharp NE-170U1 (170 w) Inverter – (1) SMA Sunnyboy 2500US			
Date placed in service	April 2007			
Account information	Meter NRLP 28 959 481 / 18 580 062	Account # n/a		
Installation contractor (Include address & contact info)	ASU Technology and Environmental Design Department students and staff		Contact – Jeff Ramsdell Phone – 828-262-6662	
Rated output (Nameplate capacity & anticipated yearly output)	1.7 kw with an anticipated annual output of 2,457 kwh			
System monitoring (Remote available / certifiable)	Unknown / Yes			
Warranty (List any warranties for equipment and time period)	Modules – 25 year limited (www.sharppusa.com) Inverter – 10 year (www.sma-america.com)			
Interconnect Agreement (Req'd / in place / date / with)	Yes	Yes	5-6-2011	NRLP
Power Purchase Agreement (Req'd / in place / date / with)	Yes	Unknown		NRLP
RECs available (Are RECs available to sell / how many)	Yes / 2,457 kwh annually through NC GreenPower			
NC GreenPower (Sellable to NCGP / price / contract)	*Yes	\$0.06 per kwh	No	
Documentation (Owner's manual, individual responsible for control)	Unconfirmed documents in Biodiesel Processor Facility			
System maintenance (Primary for system maintenance)	ASU Physical Plant personnel			
Maintenance contract (In place / terms)	No			
Cost / Funding participants	\$17,500	ASU REI funded		
Other comments	Eligible but ASU is retaining the RECs for carbon emissions reduction.			