Appalachian State University
Campus Renewable Energy Systems

Renewable Energy Project: Raley Hall Photovoltaic System

System description (Include brief description of system with location info)	4.0 kW ground mounted, direct grid tied photovoltaic system with custom mountain-scape design. 416 Howard St., Boone, NC near Raley Hall			
Equipment manufacturer(s) (With list of all critical components in system m/u that each is associated with)	Modules – (18) Sharp ND-72ELUF (72 w), (19) Sharp ND-N2ECUF (142 w) Inverter – (1) Fronius IG 4000			
Date placed in service	June 2008			
Account information	Meter NRLP 35 607 471		Account # n/a	
Installation contractor (Include address & contact info)	Southern Energy Management 101 Kitty Hawk Dr. Morrisville, NC 27560		Contact – J.R. Whitley Phone – 919-836-0330	
Rated output (Nameplate capacity & anticipated yearly output)	4.0 kw with an anticipated annual output of 5,782 kwh			
System monitoring (Remote available / certifiable)	Unknown / Yes			
Warranty (List any warranties for equipment and time period)	Modules – 25 year limited warranty (www.sharpusa.com) Inverter – 10 year warranty (www.Fronius.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 / 5,782 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)	Documentation requested from Southern Energy Management			
System maintenance (Primary for system maintenance)	ASU Physical Plant personnel			
Maintenance contract (In place / terms)	No			
Cost / Funding participants	~$65,000	ASU REI funded		
Other comments	*Eligible but ASU is retaining the RECs for carbon emissions reduction.			

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