

Appalachian State University
Campus Renewable Energy Systems

Renewable Energy Project: State Farm Solar Research Facility Photovoltaic Arrays

System description (Include brief description of system with location info)	The Solar Lab has two direct grid tied systems. A roof mounted 2 kW array and a dual axis tracking, pole mounted 2 kW array. Dale Street, Boone, NC – Across from the State Farm Parking Lot			
Equipment manufacturer(s) (With list of all critical components in system m/u that each is associated with)	Modules – (16) Sharp ND-224 UC1 (224 W) Inverters – (2) Sunny Boy SB2000HFUS Tracker – Wattsun AZ-225 Active Tracker			
Date placed in service	April 2012			
Account information	Meter NRLP 52 120 122	Account # n/a		
Installation contractor (Include address & contact info)	ASU Department of Technology and Environmental Design Katherine Harper Hall		Contact - Brian Raichle Phone - 828 262-2949	
Rated output (Nameplate capacity & anticipated yearly output)	4 kW with an anticipated annual output of 5,950 kWh			
System monitoring (Remote available / certifiable)	Yes / Unknown			
Warranty (List any warranties for equipment and time period)	Modules – 25 year limited Inverters – 2 years Tracker – 2 years			
Interconnect Agreement (Req'd / in place / date / with)	Yes	No	N/A	N/A
Power Purchase Agreement (Req'd / in place / date / with)	Yes	No	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	No	
Documentation (Owner's manual, individual responsible for control)	Unknown, Brian Raichle			
System maintenance (Primary for system maintenance)	ASU Technology and Environmental Design Department and ASU Physical Plant personnel			
Maintenance contract (In place / terms)	No			
Cost / Funding participants	\$33,453.44	ASUREI (75%) and ASU Technology and Environmental Design Department (25%)		
Other comments	*No Interconnection Agreement or PPA in place.			