

Appalachian State University
Campus Renewable Energy Systems

Renewable Energy Project: E3 House Photovoltaic System

System description (Include brief description of system with location info)	2.96 kW ballasted roof mounted photovoltaic system with battery back-up. located at corner of Rivers St. & Center St. (near J.E. Thomas Hall)			
Equipment manufacturer(s) (With list of all critical components in system m/u that each is associated with)	Modules – (16) Kyocera KD185GX-LPU (185 w) Inverter – (1) Xantrex XW4548-120/240-60 Charge Controller – Xantrex XW-MPPT60-150 Battery – (16) US Battery US 2200XC (6 Volts each)			
Date placed in service	2010			
Account information	Meter NRLP 35 607 470	Account NRLP 4420		
Installation contractor (Include address & contact info)	Sundance Power Systems 11 Salem Hill Road Weaverville, NC 28787		Contact – Drew Cates Phone – 828-645-8020	
Rated output (Nameplate capacity & anticipated yearly output)	2.96 kw with an anticipated annual output of 3,745 kwh			
System monitoring (Remote available / certified)	Unknown / Yes			
Warranty (List any warranties for equipment and time period)	Modules – 25 year limited (www.kyocera.com) Inverter – 10 year (www.xantrex.com) Charge Controller – 5 year (www.xantrex.com) Battery – 1 year limited (www.solarbattery.usbattery.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)	*No			
NC GreenPower (Sellable to NCGP / price /contract)	No	n/a	n/a	
Documentation (Owner's manual, individual responsible for control)	Located inside Inverter / battery cabinet at E3 House			
System maintenance (Primary for system maintenance)	Physical Plant personnel			
Maintenance contract (In place / terms)	No			
Cost / Funding participant	\$30,000	ASU REI funded		
Other comments	*Net metered not eligible for RECs			

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