

Master List of Media Solar Arrays - Updated 4/14/23

*Based on Conergy calculations for the Theatre array, each array (except for the Youth Center array) should be producing around 350-650 kWh per month, depending on the time of year, or around 6,000 kWh per year.

** Grayed-out sections show arrays that were removed because of building demolition or roof replacement. They were donated to not-for-profit organizations in the region.

Location:	Funding:	System:	Size in kW	Est. # kW Generated in our Area	Losses due to Wiring, Conversion, etc.	Total Annual Energy Production in kWh	Cost:	Direct Cost to MB	Installed by:	
Armory	1. DEP-Energy Harvest Program		5.16	1500	78%	6,037.20	\$ 15,760.00		Mesa Environmental Sciences	
Installed 2004	2. Sustainable Development Fund					-	\$ 23,146.00		(Now Conergy, see below)	
Dial-type meter	Solar Photovoltaics Grant Program					-				
5.16 kW system						-				
PECO Out Meter						-				
<i>Attempted to install solar monitor 12/27/13--electricians said inverter was too outdated for Locus monitor.</i>										
Total Cost Armory:							-	\$ 38,906.00	\$ -	
Library	1. DEP-Energy Harvest Program		5.16	1500	78%	6,037.20	\$ 19,291.26		Mesa Environmental Sciences	
Installed October 2005	2. Sustainable Development Fund					-	\$ 19,200.00		(Now Conergy, see below)	
BP panels replaced 2013	Solar Photovoltaics Grant Program					-				
Digital meter (Sunny Boy)						-				
5.16 kW system						-				
<i>Postpone solar monitor install until after renovation</i>										
Total Cost Library:							-	\$ 38,491.26	\$ -	
Media Elementary School	1. DEP-Energy Harvest Program		5.16	1500	78%	6,037.20	\$ 19,291.26		Mesa Environmental Sciences	
Installed 10/26/05	2. Sustainable Development Fund					-	\$ 19,200.00		(Now Conergy, see below)	
Digital meter (Sunny Boy)	Solar Photovoltaics Grant Program					-				
5.16 kW system						-				
<i>Attempted to install solar monitor 12/27/13--electricians said there was already a monitor installed.</i>										
Total Cost School:							-	\$ 38,491.26	\$ -	
Firehouse	1. DEP-Energy Harvest Program	Inverter mf: Sun Power	5.16	1500	78%	6,037.20	\$ 27,162.00		Mesa Environmental Sciences	
Installed Spring 2006	2. Sustainable Development Fund	Inverter Model: SPR215				-	\$ 20,000.00		(Now Conergy, see below)	
Digital meter (Sunny Boy)	Solar Photovoltaics Grant Program	Module: Sun Power				-				
5.16 kW system		Installed Capacity: 5.16 kwp DC				-				
<i>Solar Monitor Installed Dec. 2013</i>	3. Media Borough	Locus Gateway 101				-	\$ 1,500.00	\$ 1,500.00	Crystallite Solar	
Total Cost Firehouse							-	\$ 47,162.00		
Media Theatre	1. DEP-Energy Harvest Program		5.16	1500	78%	6,037.20	\$ 27,162.00		Mesa Environmental Sciences	
Installed Spring 2007	2. Sustainable Development Fund					-	\$ 20,000.00		(Now Conergy, see below)	
Digital meter (Sunny Boy)	Solar Photovoltaics Grant Program					-				
<i>Solar Monitor Installed Dec. 2013</i>	Media Borough	Locus Gateway 101				-	\$ 1,500.00	\$ 1,500.00	Crystallite Solar	
5.16 kW system						-				
Total Cost Theatre:							-	\$ 48,662.00		

Media Solar Arrays

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Location:	Funding:	System:					Cost:	Installed by:
Borough Hall	1. DEP-Energy Harvest Program	Inverter mf: SMA	4.725	1500	78%	5,528.25	\$ 17,930.00	SunTechnics (formerly Mesa)
Installed 7/1/08	2. Sustainable Development Fund	Inverter Model: Sunny Boy 5000us				-	\$ 25,000.00	(Now Conergy, see below)
Dial-type meter	Solar Photovoltaics Grant Program	Module: Conergy 175 MU				-		
4.725 kW system		Installed Capacity: 4.725 kw DC				-		
Est. Annual Output: 5433.75 kWh		3 strings of 9 modules				-		
Solar Monitor Installed Dec. 2013	Media Borough	Locus Gateway 101				-	\$ 1,290.00	\$ 1,290.00 Crystallite Solar
		One-time fee to create additional partner view, set up for all Locus monitors				-	\$ 500.00	\$ 500.00
Locus "Agency View DC"	Media Borough	alerts, reports etc.				-	\$ 42,930.00	
Total Cost Borough Hall:						-		
Sweeney Building	1. DEP-Energy Harvest Program		5	1500	78%	5,850.00	\$ 20,108.00	SunTechnics (formerly Mesa)
Installed 7/1/08	2. Delaware County					-	\$ 22,822.00	(Now Conergy, see below)
Dial-type meter						-		
5 kW system						-		
Total Cost Sweeney:						-	\$ 42,930.00	
Garage	1. DEP-Energy Harvest Program					-	\$ 38,962.00	Conergy (formerly SunTechnics/
Installed 1/15/10	2. Media Borough		4.725	1500	78%	5,528.25	\$ 3,968.00	formerly Mesa Environmental Sciences)
4.725 kW system						-	\$ 3,968.00	222 Lancaster Ave., Suite 200
PECO Out Meter						-		Paoli, PA 19301
						-		Contact: Attila Rigo
						-		610-251-3825
Total Cost Garage:						-	\$ 42,930.00	a.rigo@conergy.us
Media Youth Center	Sustainable Development Fund via PA		1	1500	78%	1,170.00	Cost unknown-	Solardelphia
Installed Summer 2009	Clean Energy Communities Campaign					-	awarded as a	3931 Saw Mill Rd.
1 kW system						-	solar array.	Doylestown, PA 18902
						-	Funding did not	Contact: Gabe Romano
						-	go through	(215) 257-1718
						-	Borough.	gabe@solardelphia.com
TOTAL:			c. 8 MWh			48,262.50	\$ 340,502.52	\$ 8,758.00