



Renewable Watts Canada

Site Report

Report Name 0.82 kW System
Report Date 03/01/2010 2:19:38 PM
Declination -9d 44m
Location Lat/Long specified
Lat/Long 43.0 / -80.15
Weather Station London, ON, Elevation: 912 Feet, (43.033/-81.150)
Site distance 51 Miles

Report Type PV

Array Type Fixed
Tilt Angle 35.00 deg
Ideal Tilt Angle 43.00 deg
Azimuth 180.00 deg
Ideal Azimuth 180.00 deg

Electric Cost 0.802 (\$/KWH)

Panel Make Sanyo Electric
Panel Model HIP-205BA19
Panel Count 4
DC Rate (per panel) 205.0 W
Total System Size 820.0 W
Inverter Make Enphase Energy
Inverter Model M210-84-240-Sxx
Inverter Count 4
Derate Method Using Components
Derate Factor 0.976

Layout Configuration Custom
Layout Point Count 1

Notes: [None]

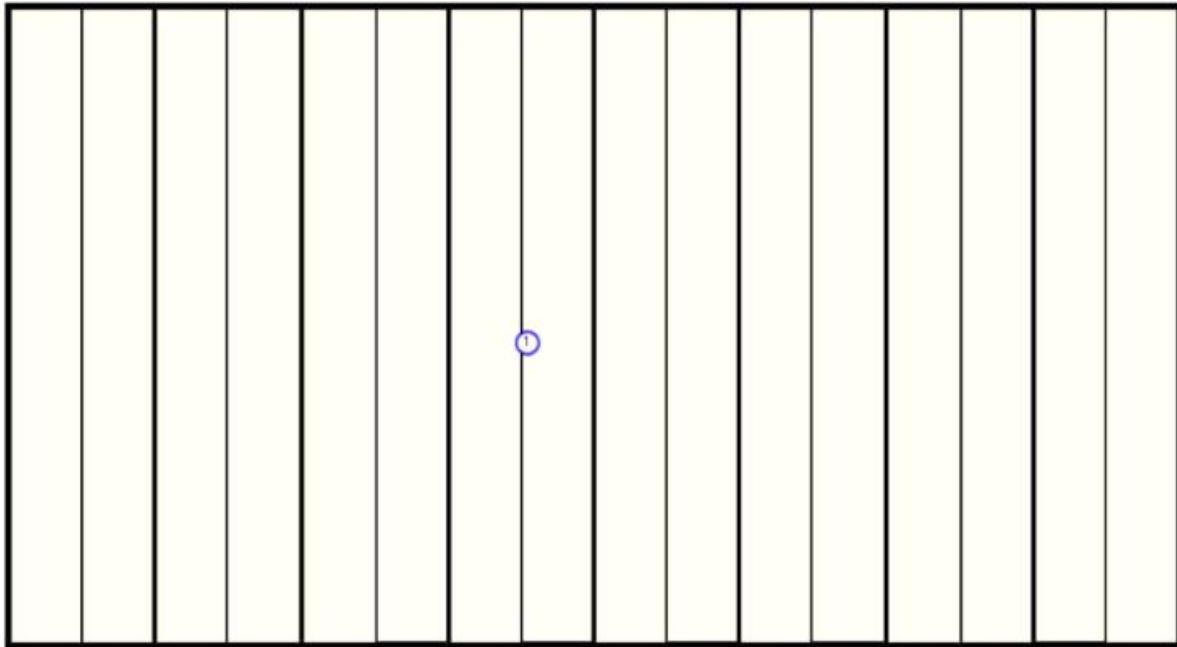


Renewable Watts Canada System Picture Layout

Layout Type Custom

Layout Point Count 1

Panel/Array Site Picture





Renewable Watts Canada Solar Site Analysis Report

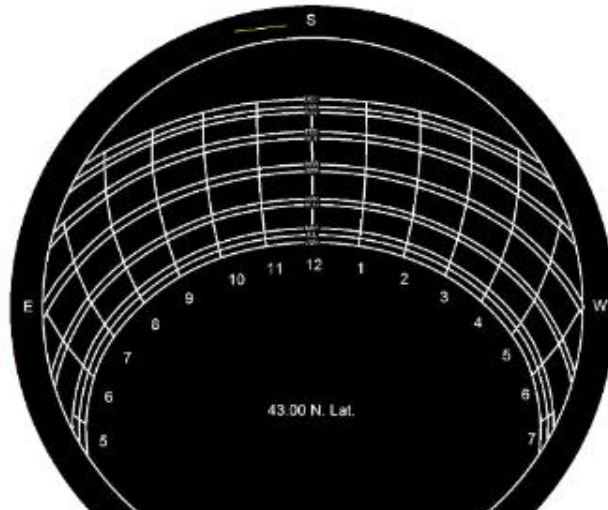
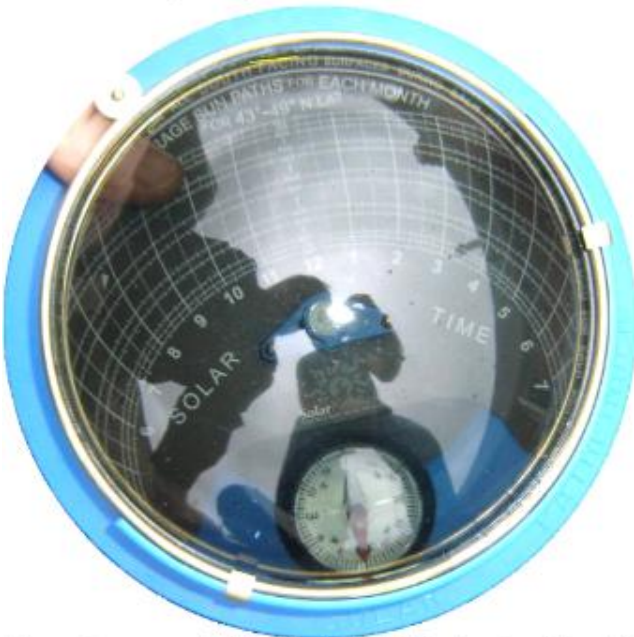
1

Image File DSC03490.JPG

Solar Obstruction Data

Month	Actual Solar Rad w/ Shading Azimuth=180.0 Tilt=35.0 KWH/m ² /day	Actual AC Energy (KWH) w/ shading Azimuth=180.00 Tilt=35.00	Solar Cost Savings 0.802 (\$/KWH)	Actual Site Efficiency % Azimuth=180.0 Tilt=35.00
January	2.79	75.00	\$60.15	94.64 %
February	3.66	87.00	\$69.77	94.96 %
March	4.68	116.00	\$93.03	98.44 %
April	5.14	120.00	\$96.24	100.00 %
May	5.78	135.00	\$108.27	100.00 %
June	5.98	128.00	\$102.66	100.00 %
July	5.90	131.00	\$105.06	100.00 %
August	5.70	127.00	\$101.85	100.00 %
September	4.93	108.00	\$86.62	99.99 %
October	3.83	93.00	\$74.59	96.71 %
November	2.16	50.00	\$40.10	95.79 %
December	2.00	51.00	\$40.90	92.29 %
Totals	52.55	1,221.00	\$979.24	97.73 %
	Effect: 100.00%			Unweighted
	Sun Hrs: 4.38			Yearly Avg

Notes: [None]





Renewable Watts Canada Summary Report

Solar Obstruction Data

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Notes: [None]

Report generated by SolarPathfinder Assistant Version 4.1.19.0. <http://www.solarpathfinder.com>

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