



Renewable Watts Canada

Site Report

Report Name Solar tracking system
Report Date 19/01/2010 1:59:56 PM
Declination -9d 52m
Location Lat/Long specified
Lat/Long 43.1 / -80.0
Weather Station Toronto Int'l, ON, Elevation: 568 Feet, (43.667/-79.633)
Site distance 43 Miles

Report Type PV

Array Type TwoAxis
Tilt Angle 0.00 deg
Ideal Tilt Angle 43.10 deg
Azimuth 180.00 deg
Ideal Azimuth 180.00 deg

Electric Cost 0.802 (\$/KWH)

Panel Make SANYO Electric
Panel Model HIP-200BA20
Panel Count 50
DC Rate (per panel) 200.0 W
Total System Size 10,000.0 W
Inverter Make Solectria Renewables
Inverter Model PVI13kW-208
Inverter Count 1
Derate Method Using Components
Derate Factor 0.949

Layout Configuration Custom
Layout Point Count 1

Notes: [None]

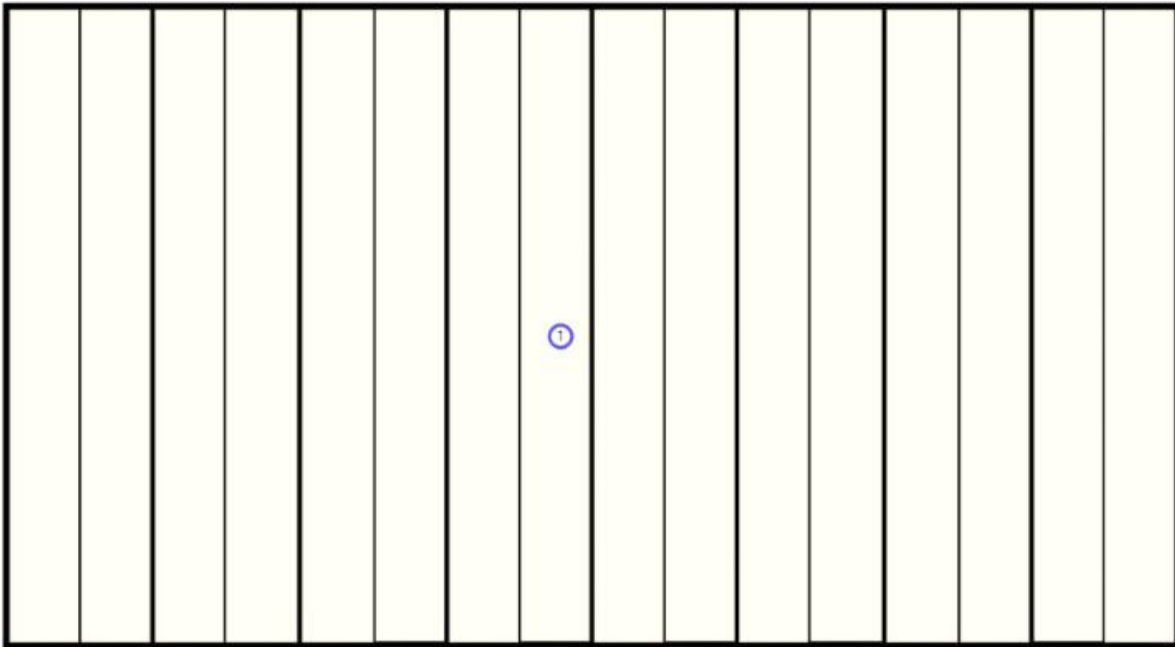


Renewable Watts Canada System Picture Layout

Layout Type Custom

Layout Point Count 1

Panel/Array Site Picture





Renewable Watts Canada Solar Site Analysis Report

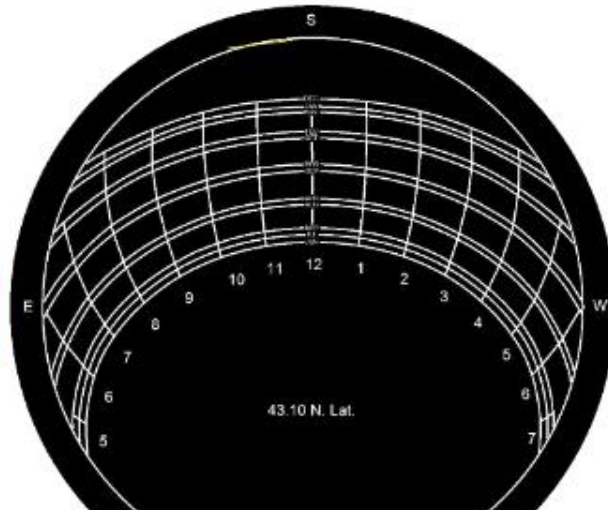
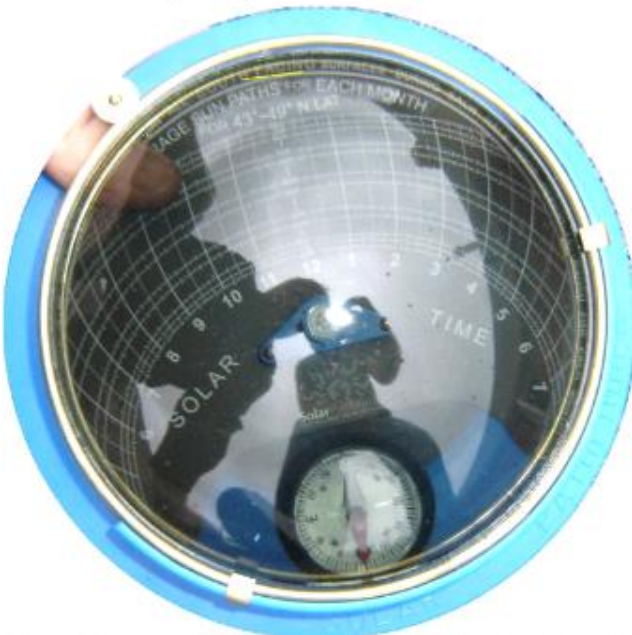
1

Image File DSC03490.JPG

Solar Obstruction Data

Month	Actual Solar Rad w/ Shading Azimuth=180.0 Tilt=0.0 KWH/m ² /day	Actual AC Energy (KWH) w/ shading Azimuth=180.00 Tilt=0.00	Solar Cost Savings 0.802 (\$/KWH)	Actual Site Efficiency % Azimuth=180.0 Tilt=0.00
January	3.33	1,029.00	\$825.26	99.99 %
February	4.16	1,149.00	\$921.50	96.85 %
March	5.07	1,520.00	\$1,219.04	99.98 %
April	6.28	1,759.00	\$1,410.72	100.00 %
May	7.67	2,168.00	\$1,738.74	99.94 %
June	8.19	2,171.00	\$1,741.14	99.97 %
July	8.19	2,190.00	\$1,756.38	98.39 %
August	7.24	1,936.00	\$1,552.67	99.81 %
September	6.41	1,712.00	\$1,373.02	99.58 %
October	4.35	1,262.00	\$1,012.12	99.24 %
November	2.22	601.00	\$482.00	100.00 %
December	2.33	711.00	\$570.22	99.30 %
Totals	65.43	18,208.00	\$14,602.82	99.42 %
	Effect: 99.43%			Unweighted
	Sun Hrs: 5.45			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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