



Site Report

Report Name	
Report Date	2018-10-22
Declination	-9d 57m
Location	Lat/Long specified
Lat/Long	43.5 / -80.1
Weather Station	Toronto Int'l, ON, Elevation: 568 Feet, (43.667 / -79.633)
Site Distance	26 Miles
Report Type	PV
Array Type	Fixed Angle
Tilt Angle	32.50 deg
Ideal Tilt Angle	0.00 deg
Azimuth	180.00 deg
Ideal Azimuth	180.00 deg
Electric Cost	0.05 (\$/kWh)
Module Make	CSUN Eurasia Energy Systems Industry and Trade
Module Model	CSUN275-60P
Module Type	Standard
Module Count	40
DC Rate (per module)	275.0 Watts
TSRF	72.9%
STC System Size	11.00 kW
DC System Size	8.02 kW
AC System Size	6.81 kW
Inverter Make	ABB
Inverter Model	PVI-5000-OUTD-US-A [240V]
PV Optimizer	Name not provided
Inverter Count	1
Inverter Efficiency	95.5%
System Loss Percentage	11.0%
AC Energy Efficiency	88.9%
Layout Configuration	Single Picture
Layout Point Count	1

Notes: [None]

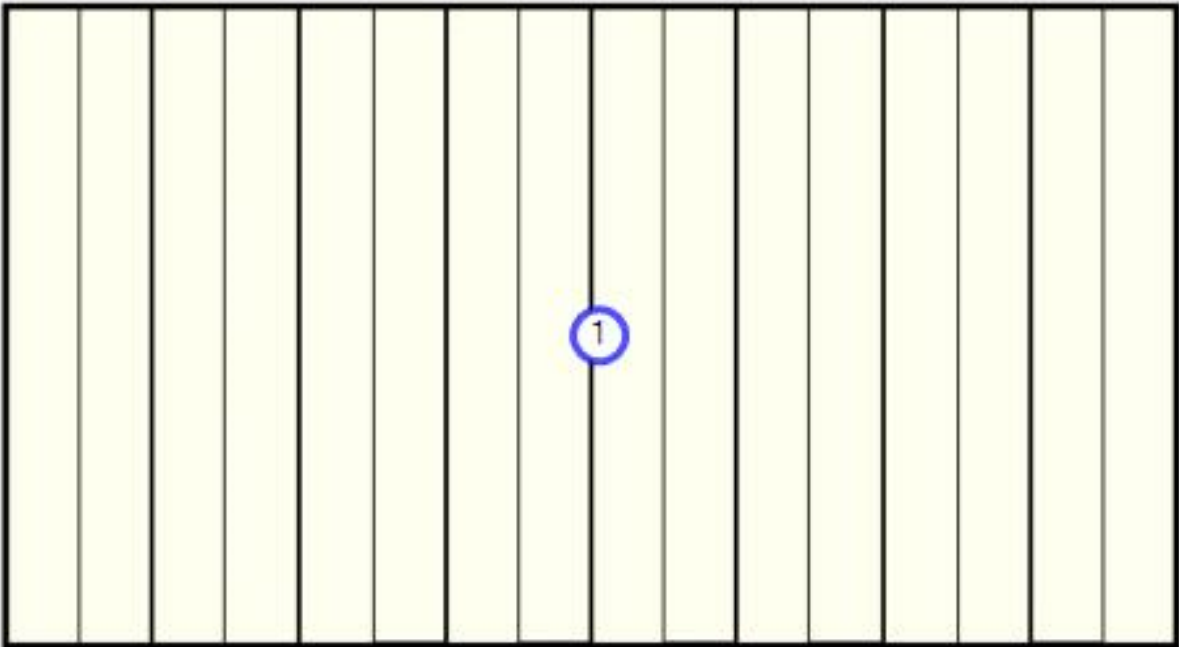


System Picture Layout

Layout Type
Layout Point Count

Single Picture
1

Module / Array





Summary Report

Solar Obstruction Data (Part 1 of 2)

Month	Unshaded % of Ideal Site Azimuth=180 Tilt=43.5	Ideal Unshaded Solar Radiation Azimuth=180.0 Tilt=0.0 kWh/m ² /day	Actual Unshaded Solar Radiation Azimuth=180.0 Tilt=32.5 kWh/m ² /day	Actual Shaded Solar Radiation Azimuth=180.0 Tilt=32.5 kWh/m ² /day	Unshaded % of Actual Site Azimuth=180.0 Tilt=32.5	Total Solar Resource Fraction (TSRF) (Actual vs Ideal)	Ideal Site Efficiency Azimuth=180.0 Tilt=0.0	AC Energy Efficiency (Actual vs Ideal)
January	54.0%	1.48	2.50	1.34	53.5%	90.7%	54.6%	134.8%
February	62.4%	2.27	3.33	2.07	62.2%	91.0%	63.2%	117.0%
March	48.9%	3.19	3.97	1.93	48.6%	60.5%	48.2%	83.2%
April	63.9%	4.36	4.83	3.07	63.6%	70.5%	63.2%	83.5%
May	76.2%	5.60	5.63	4.28	76.0%	76.4%	74.5%	84.2%
June	76.1%	6.14	5.92	4.49	75.9%	73.2%	74.4%	80.7%
July	75.2%	6.02	5.93	4.42	74.5%	73.3%	72.8%	81.0%
August	66.5%	5.15	5.47	3.61	66.0%	70.1%	65.6%	81.9%
September	50.2%	4.08	4.96	2.48	50.0%	60.7%	49.1%	81.7%
October	54.7%	2.56	3.50	1.90	54.4%	74.5%	54.9%	100.8%
November	63.1%	1.30	1.87	1.17	62.7%	90.3%	61.9%	122.6%
December	40.2%	1.07	1.83	0.73	39.9%	68.2%	40.0%	122.6%
Totals	60.9% Unweighted Yearly Avg	43.21 Effect: 100.0% Sun Hrs: 3.60	49.74 Effect: 100.0% Sun Hrs: 4.14	31.49 Effect: 72.9% Sun Hrs: 2.62	63.3% Unweighted Yearly Avg	72.9% Unweighted Yearly Avg	64.0% Unweighted Yearly Avg	88.9%

Solar Obstruction Data (Part 2 of 2)

Month	Actual Shaded AC Energy (kWh) Azimuth=180.0 Tilt=32.5	Actual Unshaded AC Energy (kWh) Azimuth=180.0 Tilt=32.5	Ideal Unshaded AC Energy (kWh) Azimuth=180.0 Tilt=0.0	PV Solar Cost Savings 0.05 (\$/kWh)
January	522.48	748.70	387.53	\$26.12
February	681.67	901.61	582.72	\$34.08
March	766.28	1,159.48	921.08	\$38.31
April	996.01	1,313.31	1,192.22	\$49.80
May	1,304.34	1,540.96	1,548.74	\$65.22
June	1,280.19	1,510.29	1,586.33	\$64.01
July	1,272.38	1,520.19	1,570.80	\$63.62
August	1,100.30	1,419.08	1,344.21	\$55.02
September	862.94	1,285.26	1,056.47	\$43.15
October	692.96	986.47	687.49	\$34.65
November	372.99	485.79	304.12	\$18.65
December	323.79	537.65	264.05	\$16.19
Totals	10,176.33	13,408.78	11,445.77	\$508.82

Notes: [None]



Solar Site Analysis Report

Layout Point 1

Image File: House 3 Rear (W).jpg

Solar Obstruction Data (Part 1 of 2)

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Solar Obstruction Data (Part 2 of 2)

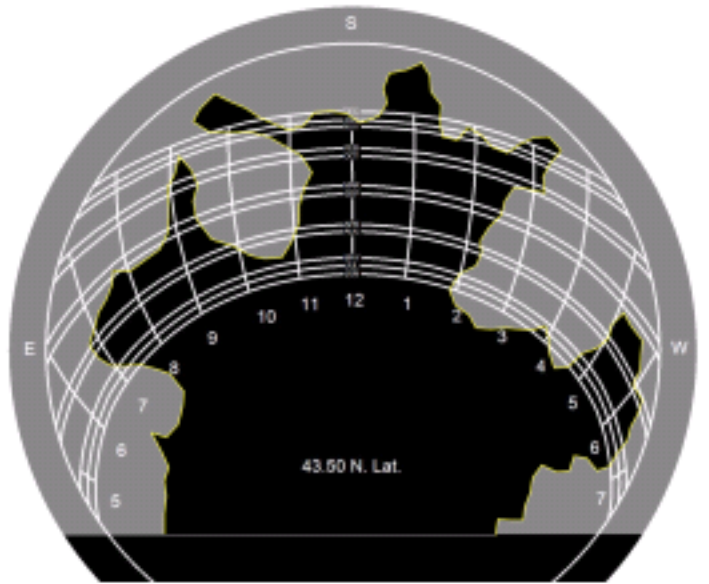
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