



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	94.7%
STC System Size	11.00 kW
DC System Size	10.42 kW
AC System Size	8.85 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	104.4%
Layout Configuration	Single Picture
Layout Point Count	1

Notes: [None]



System Picture Layout

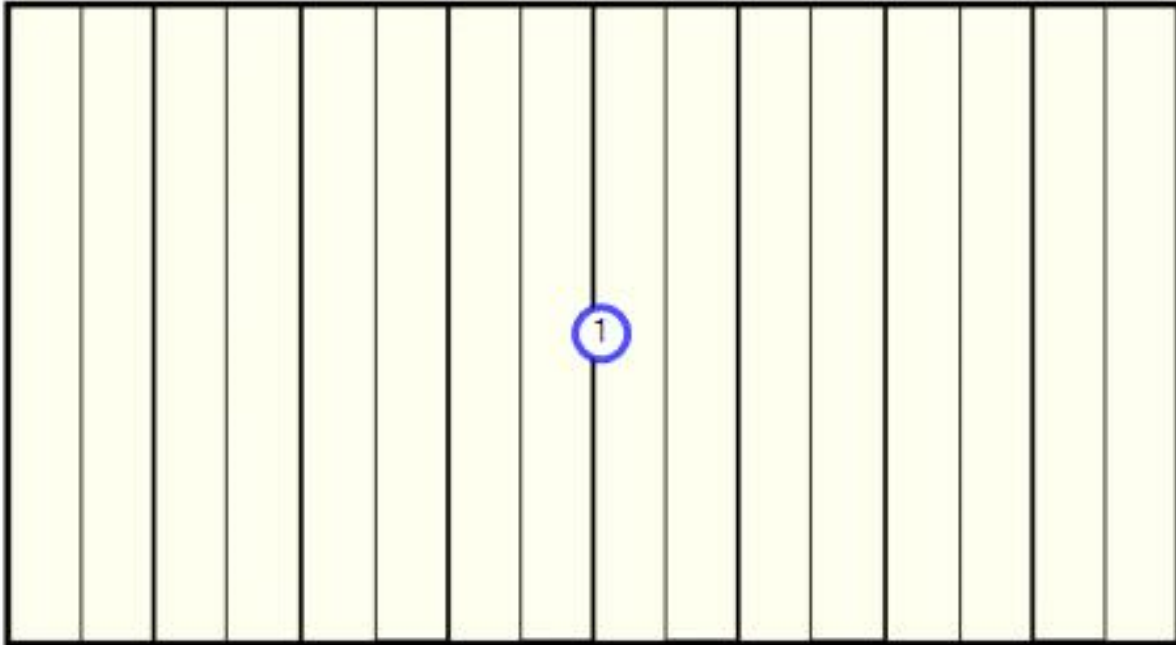
Layout Type

Single Picture

Layout Point Count

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	50.5%	1.48	2.50	1.25	50.1%	84.9%	50.5%	129.9%
February	57.3%	2.27	3.33	1.89	56.8%	83.1%	57.0%	111.0%
March	84.2%	3.19	3.97	3.33	83.8%	104.3%	83.3%	113.6%
April	96.1%	4.36	4.83	4.63	95.9%	106.3%	94.9%	108.2%
May	94.2%	5.60	5.63	5.30	94.1%	94.6%	91.7%	97.1%
June	92.3%	6.14	5.92	5.46	92.2%	89.0%	89.2%	92.2%
July	93.4%	6.02	5.93	5.53	93.2%	91.8%	90.2%	94.5%
August	95.4%	5.15	5.47	5.19	94.9%	100.8%	93.2%	103.5%
September	90.9%	4.08	4.96	4.50	90.7%	110.2%	89.9%	115.7%
October	55.8%	2.56	3.50	1.94	55.4%	75.9%	55.3%	101.3%
November	51.9%	1.30	1.87	0.97	51.7%	74.5%	51.2%	109.7%
December	51.7%	1.07	1.83	0.95	51.6%	88.1%	51.9%	138.7%
Totals	76.1% Unweighted Yearly Avg	43.21 Effect: 100.0% Sun Hrs: 3.60	49.74 Effect: 100.0% Sun Hrs: 4.14	40.92 Effect: 94.7% Sun Hrs: 3.41	82.3% Unweighted Yearly Avg	94.7% Unweighted Yearly Avg	83.3% Unweighted Yearly Avg	104.4%

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	503.33	748.70	387.53	\$25.17
February	647.02	901.61	582.72	\$32.35
March	1,046.53	1,159.48	921.08	\$52.33
April	1,290.42	1,313.31	1,192.22	\$64.52
May	1,503.56	1,540.96	1,548.74	\$75.18
June	1,462.24	1,510.29	1,586.33	\$73.11
July	1,483.70	1,520.19	1,570.80	\$74.19
August	1,391.82	1,419.08	1,344.21	\$69.59
September	1,222.26	1,285.26	1,056.47	\$61.11
October	696.16	986.47	687.49	\$34.81
November	333.67	485.79	304.12	\$16.68
December	366.25	537.65	264.05	\$18.31
Totals	11,946.96	13,408.78	11,445.77	\$597.35

Notes: [None]



Solar Site Analysis Report

Layout Point 1

Image File: House 3 front (E).jpg

Solar Obstruction Data (Part 1 of 2)

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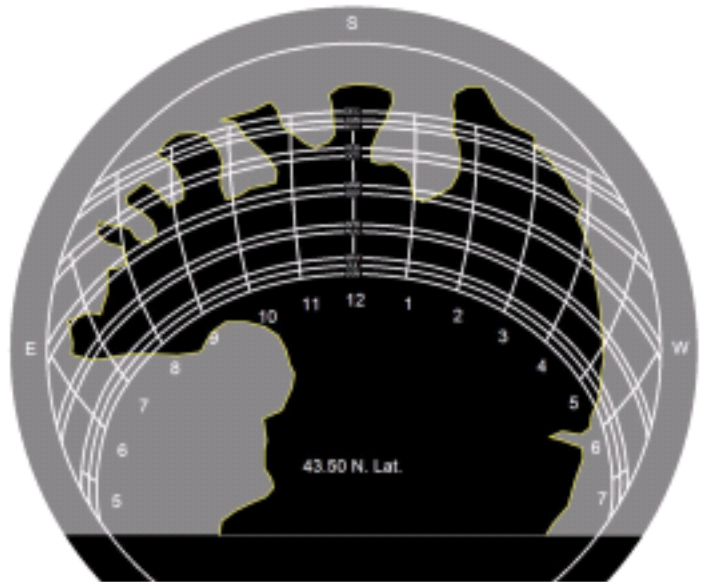
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