

WIND RESOURCE ANALYSIS

TECHNOLOGY INPUT	
Turbine Hub Height (m)	45
No of Turbine(s)	3

Obstacle Porosity	
Buildings	0
Dense trees	0.3
Trees	0.5
Open Trees	0.7

SITE INFORMATION	
Wind Speed at 10m height (m/s)	4.9
Roughness Lenght (m)	1
Energy Consumption (kWh/year)	131400000.00

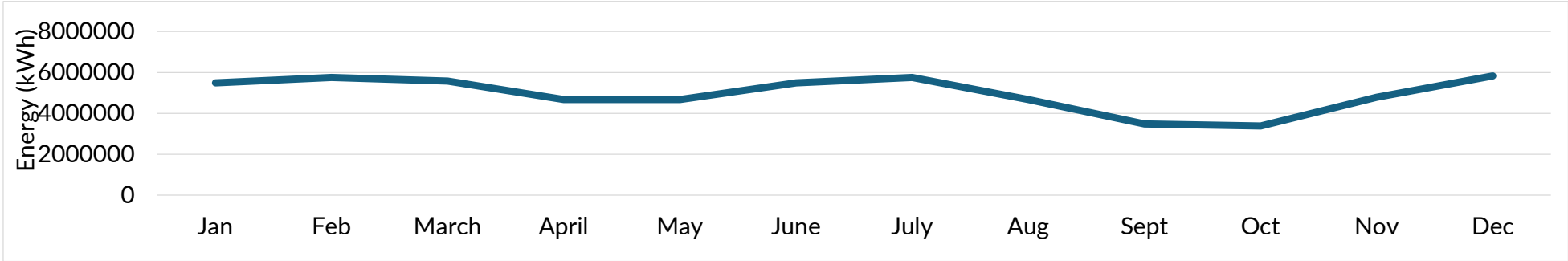
OBSTRUCTION DETAILS	
Distance from the turbine	0
Largest Upwind Obstruction (m)	0
Largest Downwind Obstruction (m)	0
Obstacle Porosity	0

Month	Annual Wind Speed Distribution (m/s)	Wind Speed @ 10m height	Adjusted Wind Speed @10m	Wind Speed at Hub Height	Annual Energy Production (Single Turbine)(kWh/year)	Obstruction Factor (%)	Annual Energy Production (kWh/year)	Monthly Wind Yield Distribution (kWh/year)	Daily Wind Production (kWh)	Solar Energy Production (kWh)	Renewable Energy Production (kWh)	Site Consumption (kWh)	
Jan	1.07	4.9	5.3	8.7	21,964,800	1.000	65,894,400	5491200	183040	0	5491200		
Feb	1.1	4.9	5.4	9.0	23,016,000	1.000	69,048,000	5754000	191800	0	5754000		
March	1.08	4.9	5.3	8.8	22,315,200	1.000	66,945,600	5578800	185960	0	5578800		
April	0.96	4.9	4.7	7.8	18,720,000	1.000	56,160,000	4680000	156000	0	4680000		
May	0.96	4.9	4.7	7.8	18,720,000	1.000	56,160,000	4680000	156000	0	4680000		
June	1.07	4.9	5.3	8.7	21,964,800	1.000	65,894,400	5491200	183040	0	5491200		
July	1.1	4.9	5.4	9.0	23,016,000	1.000	69,048,000	5754000	191800	0	5754000		
Aug	0.96	4.9	4.7	7.8	18,720,000	1.000	56,160,000	4680000	156000	0	4680000		
Sept	0.81	4.9	4.0	6.6	13,920,000	1.000	41,760,000	3480000	116000	0	3480000		
Oct	0.8	4.9	3.9	6.5	13,512,000	1.000	40,536,000	3378000	112600	0	3378000		
Nov	0.97	4.9	4.8	7.9	19,116,000	1.000	57,348,000	4779000	159300	0	4779000		
Dec	1.12	4.9	5.5	9.1	23,301,600	1.000	69,904,800	5825400	194180	0	5825400		
		Mean Value		8.14	19857200.00		59571600.00	4964300.00	165476.67	0.00	4964300.00	#DIV/0!	
		Annual Yield (kWh per turbine)						59571600.00		0.00	59571600.00	0.00	
		Energy Coverage						45.3%					
								0%					
										0.00			

Note: Always **PRESS the button "GENERATE"** in order to have a correct Wind Resource Assessment

Wind Production

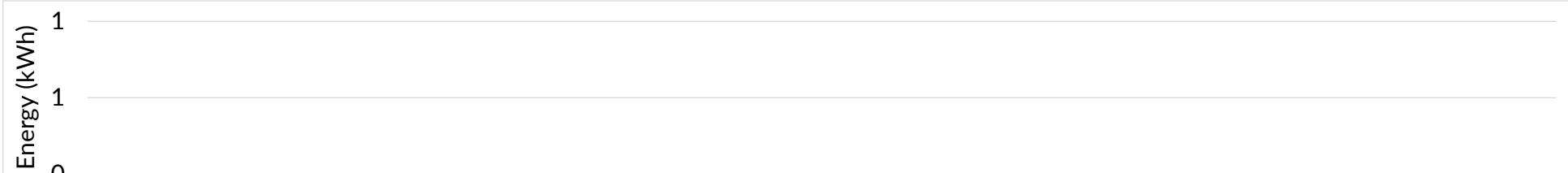
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For Solar, Renewable Production and Site Consumption - Right
Click the Line Graph and 'Select Data'

Wind Speed at Hub Height	8.7	9.0	8.8	7.8	7.8	8.7	9.0	7.8	6.6	6.5	7.9	9.1	8.14
Daily Wind Production (kWh)	183,040	191,800	185,960	156,000	156,000	183,040	191,800	156,000	116,000	112,600	159,300	194,180	165,477
Monthly Wind Production	5,491,200	5,754,000	5,578,800	4,680,000	4,680,000	5,491,200	5,754,000	4,680,000	3,480,000	3,378,000	4,779,000	5,825,400	4,964,300
Annual Energy Production	59,571,600												

Solar Production



U	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
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Daily Solar Production (kWh)	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Solar Production	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual Energy Production (Solar)	0												

