

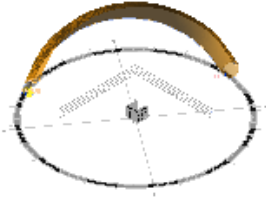
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analisi modello

Analyzed at 01/12/2010 17.54.03

Mass



Building Performance Factors

Location:	41,8770599365234,12,4732427597046
Weather Station:	160478
Outdoor Temperature:	Max: 35°C/Min: -3°C
Floor Area:	4 m ²
Exterior Wall Area:	9.306 m ²
Average Lighting Power:	10.87 W/m ²
People:	0 people
Exterior Window Ratio:	0,40
Electrical Cost:	\$0.24/kWh
Fuel Cost:	\$1.14/Therm

Energy Use Intensity

Electricity EUI:	14,603 kWh/sm/yr
Fuel EUI:	119,238 MJ/sm/yr
Total EUI:	171,807 MJ/sm/yr

Life Cycle Energy Use/Cost

Life Cycle Electricity Use:	1,577,089 kWh
Life Cycle Fuel Use:	12,877,644 MJ
Life Cycle Energy Cost:	\$233,140

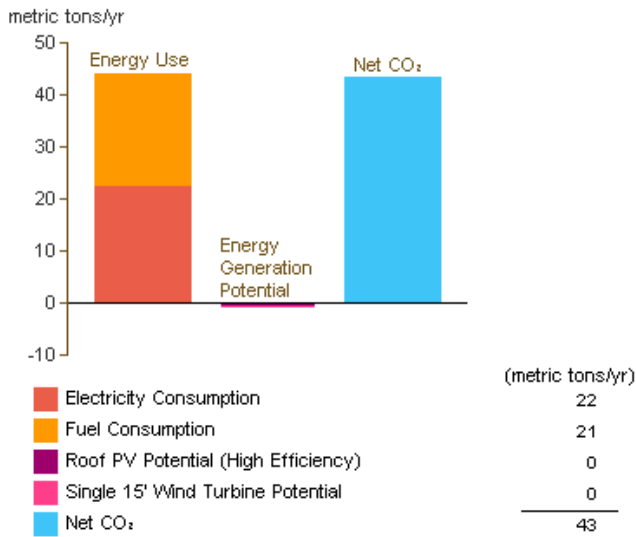
*30-year life and 6.1% discount rate for costs

Renewable Energy Potential

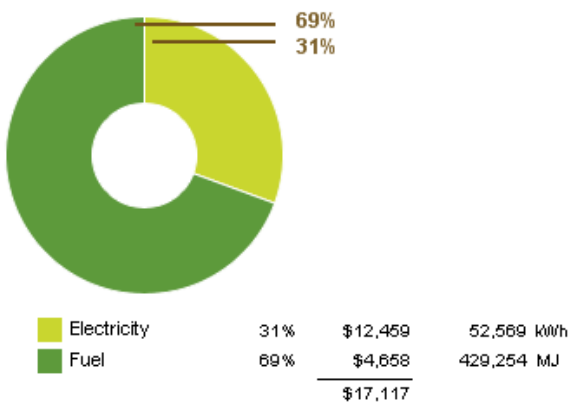
Roof Mounted PV System (Low efficiency):	169 kWh/yr
Roof Mounted PV System (Medium efficiency):	337 kWh/yr
Roof Mounted PV System (High efficiency):	506 kWh/yr
Single 15' Wind Turbine Potential:	1,202 kWh/yr

*PV efficiencies are assumed to be 5%, 10% and 15% for low, medium and high efficiency systems

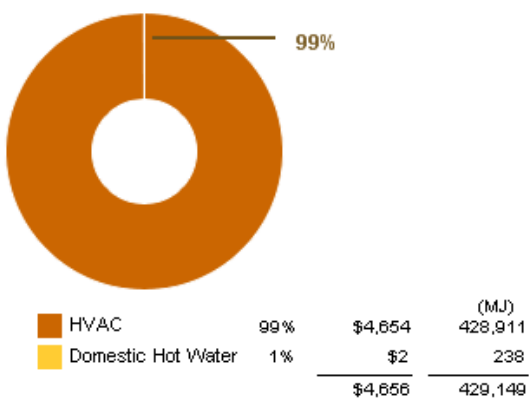
Annual Carbon Emissions



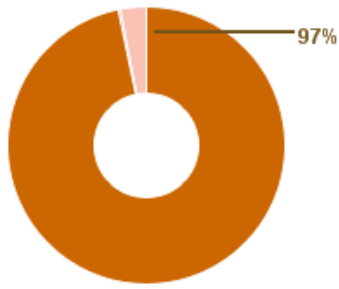
Annual Energy Use/Cost



Energy Use: Fuel

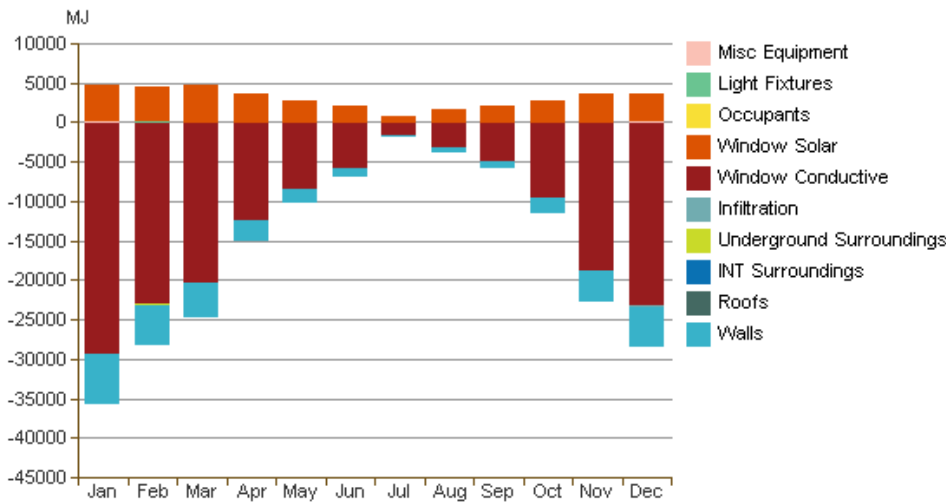


Energy Use: Electricity

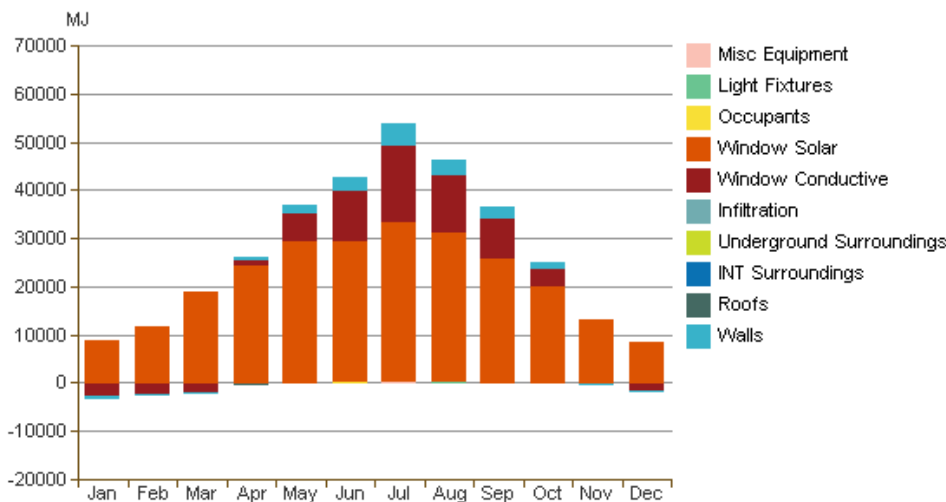


			(kWh)
HVAC	97%	\$12,051	50,849
Lighting	0%	\$30	127
Misc Equipment	3%	\$377	1,593
		\$12,458	52,569

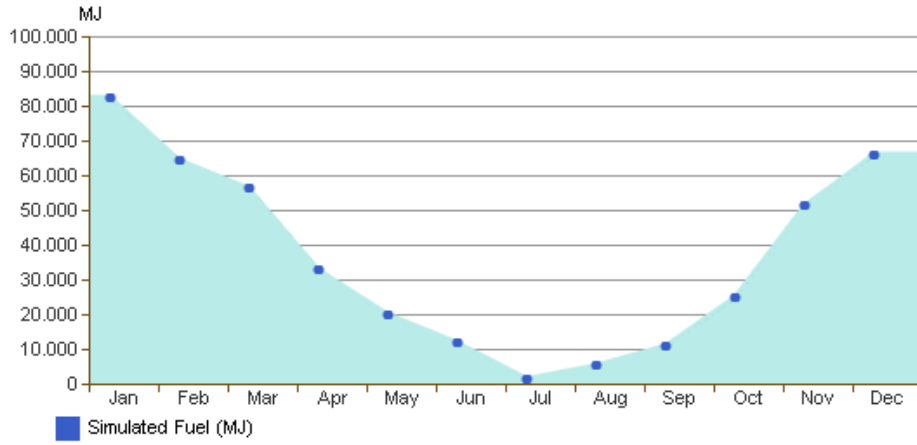
Monthly Heating Load



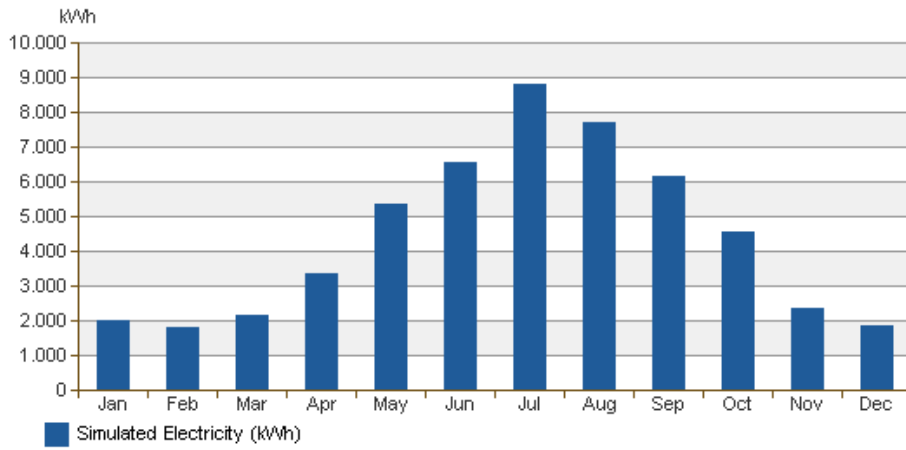
Monthly Cooling Load



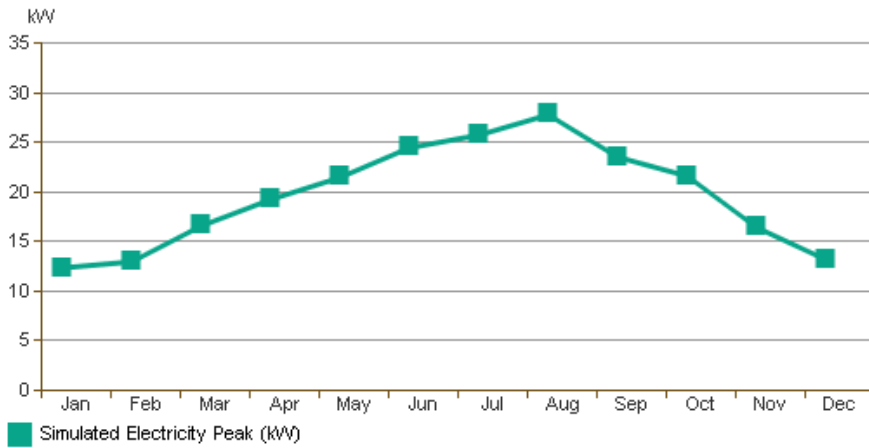
Monthly Fuel Consumption



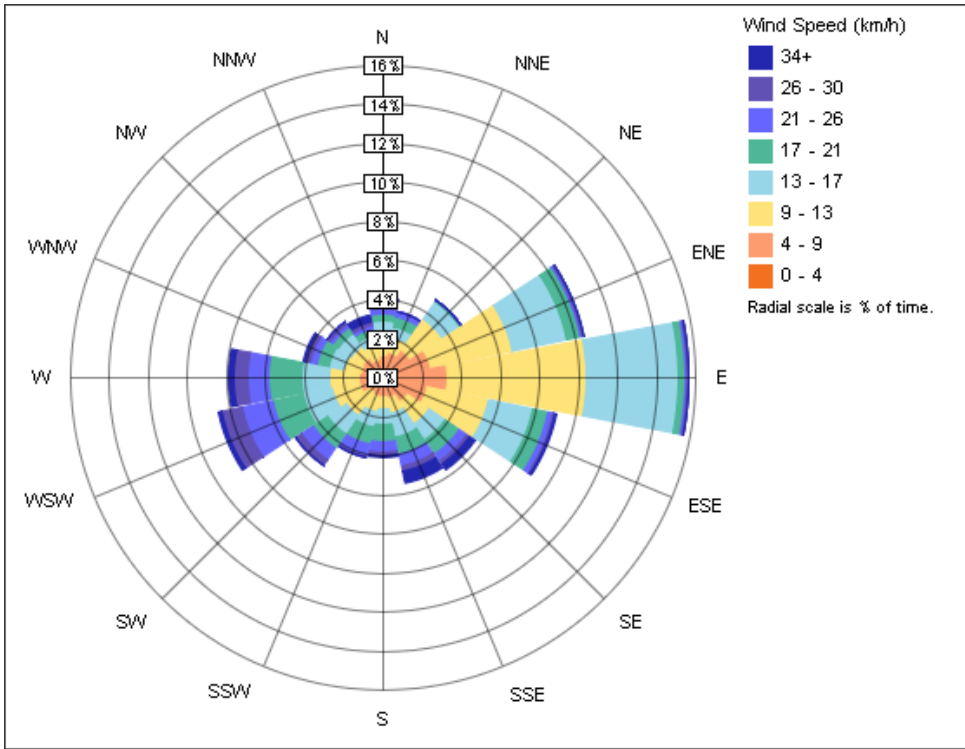
Monthly Electricity Consumption



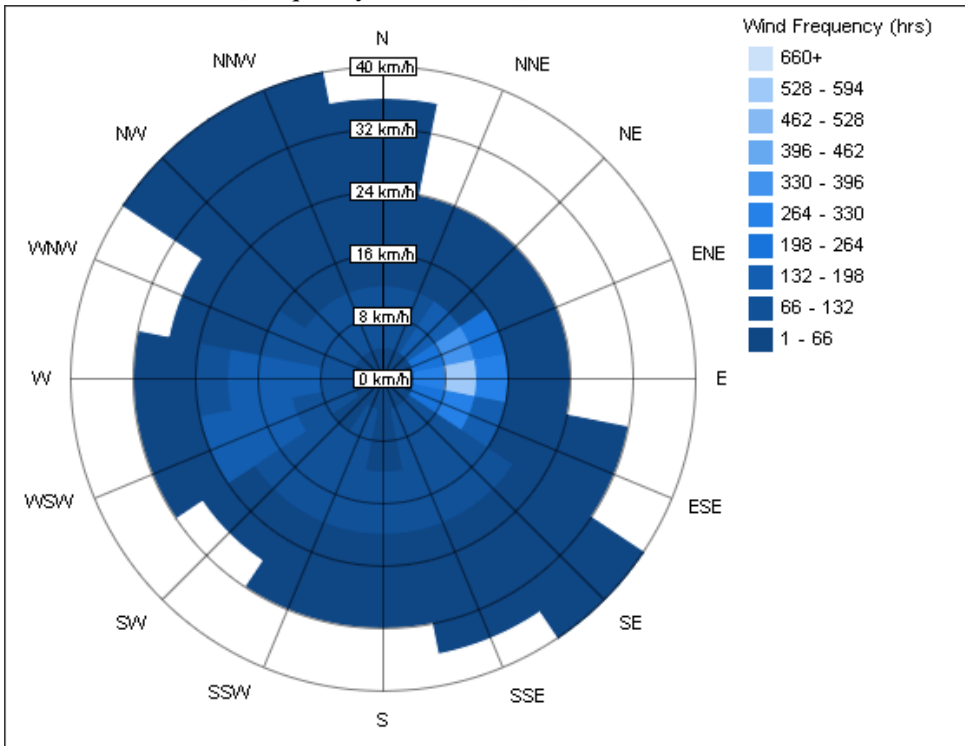
Monthly Peak Demand



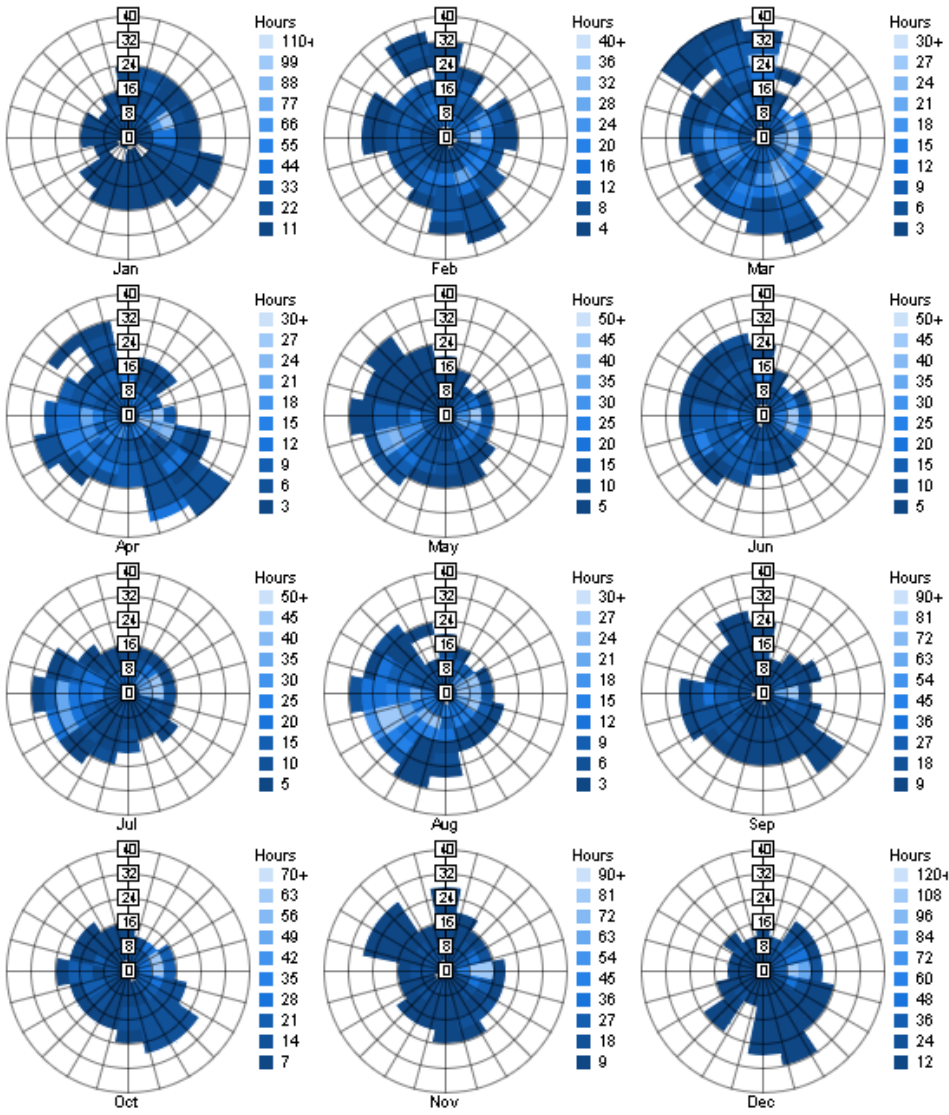
Annual Wind Rose (Speed Distribution)



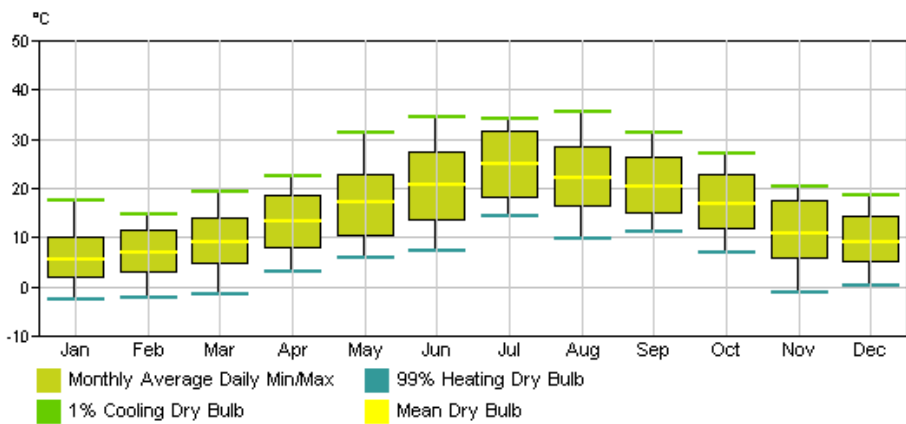
Annual Wind Rose (Frequency Distribution)



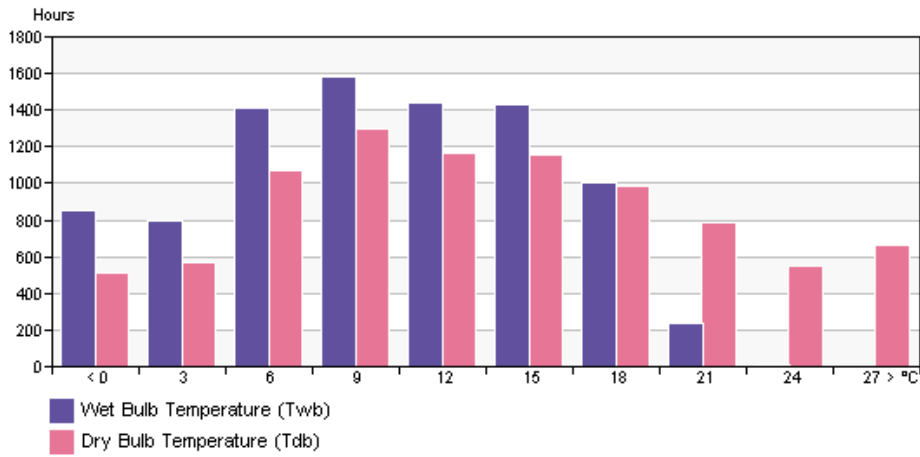
Monthly Wind Roses



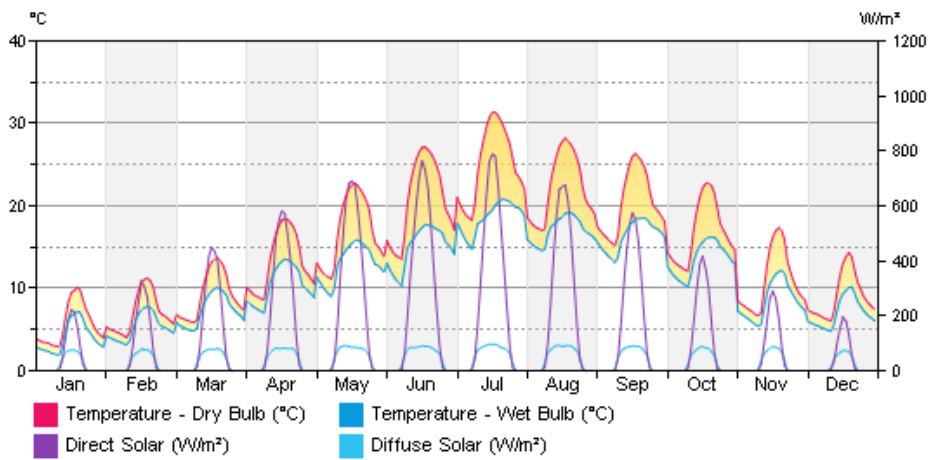
Monthly Design Data



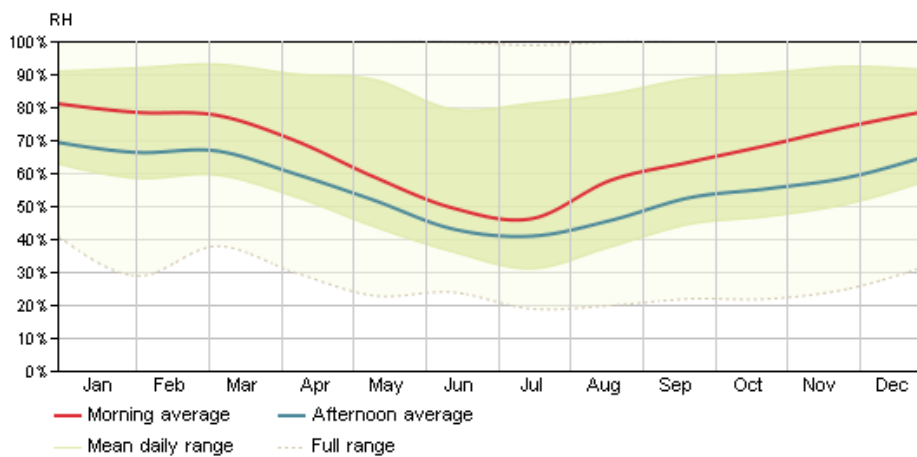
Annual Temperature Bins



Diurnal Weather Averages



Humidity



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Revit Conceptual Energy Analysis Data