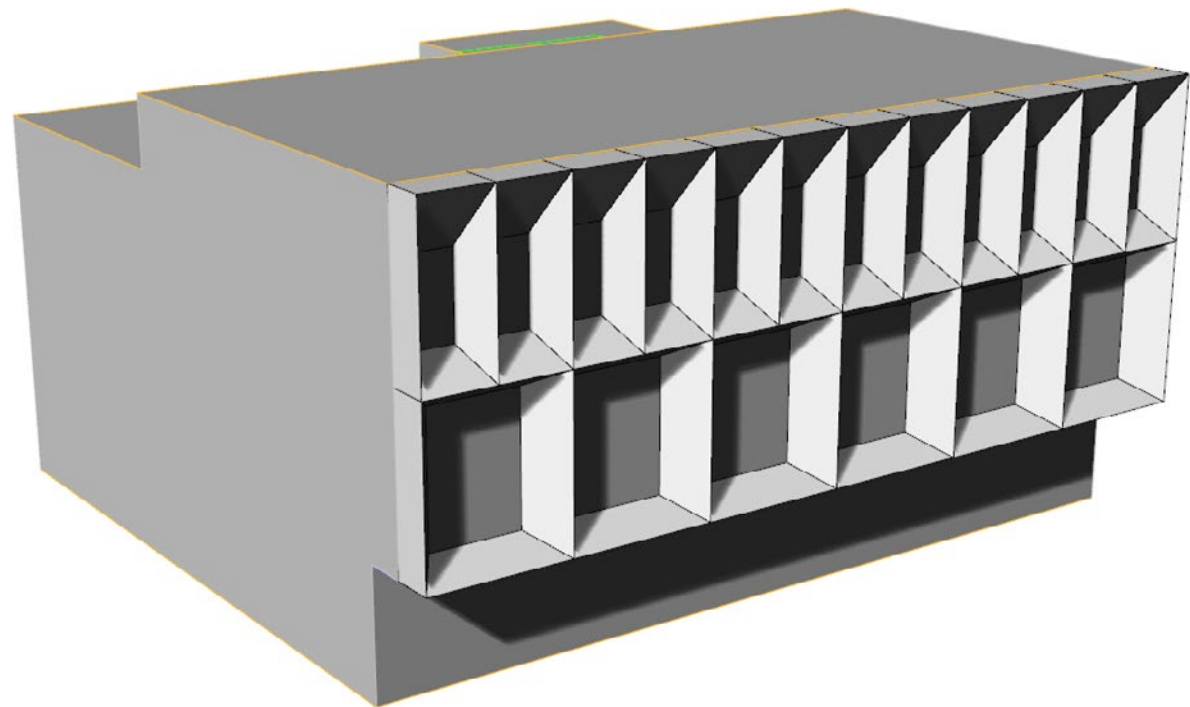
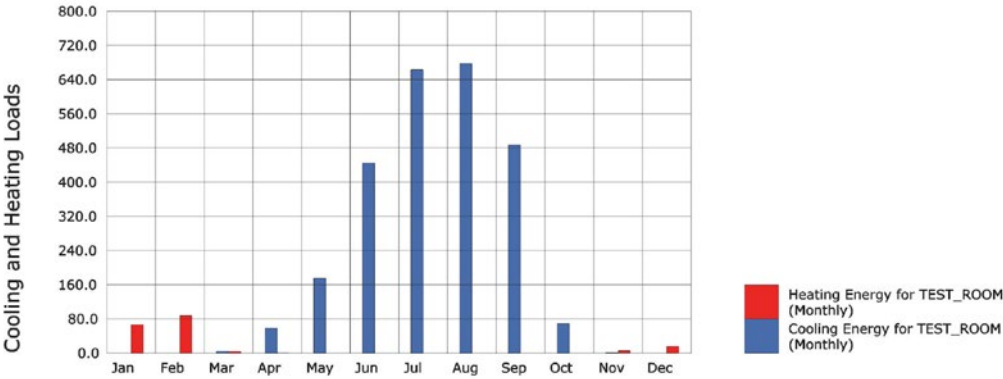


Redesigned Shading Facade_1st



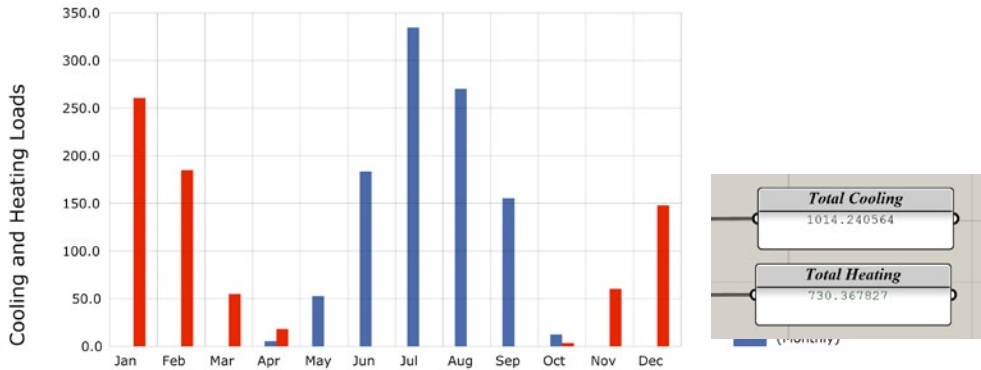
Redesigned Shading Facade_2nd

Analysis
Depth of shading in my design is one of the most biggest reason that decreased energy use. However, it still allows enough sunligh so it could help to balance energy usage between summer and winter.



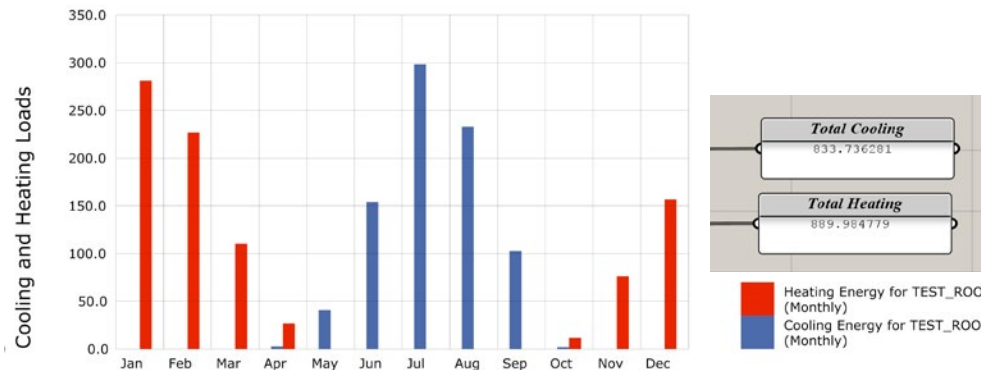
Philadelphia International Ap PA USA TMY3
CDD:2579 HDD:180

BASE



Philadelphia International Ap PA USA TMY3

Redesigned Shading Facade_1st



Philadelphia International Ap PA USA TMY3

Redesigned Shading Facade_2nd