



ADVANCED ENERGY MODELING FOR LEED
ONLINE TRAINING COURSE

KRISHNAJI PAWAR, LEED AP BD+C, GSAS CGP, ISO 14001:2015, GCP
ENERGY SPECIALIST CURRICULUM



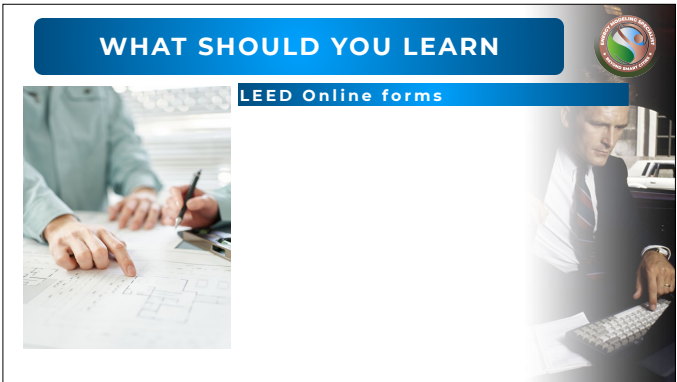


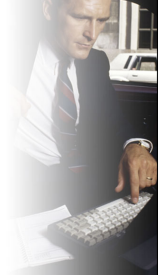
ANNOTATED LEED CREDIT FORM
FOR ENERGY PROFESSIONALS

KRISHNAJI PAWAR, LEED AP BD+C, GSAS CGP, ISO 14001:2015, GCP
ENERGY SPECIALIST CURRICULUM



WHAT SHOULD YOU LEARN





LEED Online forms

Figure 4.8: Energy Use and Cost Summary

Table 4.8-1: Building Energy Performance Summary (Annual Totals)

End Use	Source	Renewable	Non-Renewable	Energy Type	Unit	Annual Energy Use (kWh)	Annual Cost (\$)	% Total
Electricity	Grid	0	1000000	Electricity	kWh	1000000	100000	100%
Gas	Grid	0	1000000	Gas	kWh	1000000	100000	100%
Water	Grid	0	1000000	Water	kWh	1000000	100000	100%
Heating	Grid	0	1000000	Heating	kWh	1000000	100000	100%
Cooling	Grid	0	1000000	Cooling	kWh	1000000	100000	100%
Lighting	Grid	0	1000000	Lighting	kWh	1000000	100000	100%
Other	Grid	0	1000000	Other	kWh	1000000	100000	100%
Total	Grid	0	1000000	Total	kWh	1000000	100000	100%

Renewable Energy Note: For the purpose of this report, the renewable energy is assumed to be 0%.

Figure 4.9: Energy Use and Cost Summary

Table 4.9-1: Building Energy Performance Summary (Annual Totals)

End Use	Source	Renewable	Non-Renewable	Energy Type	Unit	Annual Energy Use (kWh)	Annual Cost (\$)	% Total
Electricity	Grid	0	1000000	Electricity	kWh	1000000	100000	100%
Gas	Grid	0	1000000	Gas	kWh	1000000	100000	100%
Water	Grid	0	1000000	Water	kWh	1000000	100000	100%
Heating	Grid	0	1000000	Heating	kWh	1000000	100000	100%
Cooling	Grid	0	1000000	Cooling	kWh	1000000	100000	100%
Lighting	Grid	0	1000000	Lighting	kWh	1000000	100000	100%
Other	Grid	0	1000000	Other	kWh	1000000	100000	100%
Total	Grid	0	1000000	Total	kWh	1000000	100000	100%

Renewable Energy Note: For the purpose of this report, the renewable energy is assumed to be 0%.

Figure 4.10: Exceptional Calculation Method

SECTION 1.7: EXCEPTIONAL CALCULATION SUMMARY (if applicable)

Select one of the following:

- ☐ The energy analysis includes exceptional calculation methods (optional).
- ☐ The energy analysis does not include exceptional calculation methods.

Exceptional Calculation Methods: These are used for the purpose of this report. The results of these calculations are not included in the final report.

Table 4.10-1: Exceptional Calculation Summary

End Use	Exceptional Calculation Method	Energy Type	Unit	Annual Energy Use (kWh)	Annual Cost (\$)
Electricity	Grid	Electricity	kWh	1000000	100000
Gas	Grid	Gas	kWh	1000000	100000
Water	Grid	Water	kWh	1000000	100000
Heating	Grid	Heating	kWh	1000000	100000
Cooling	Grid	Cooling	kWh	1000000	100000
Lighting	Grid	Lighting	kWh	1000000	100000
Other	Grid	Other	kWh	1000000	100000

Table 4.10-2: On-Site Renewable Energy

End Use	Renewable	Non-Renewable	Energy Type	Unit	Annual Energy Use (kWh)	Annual Cost (\$)
Electricity	0	1000000	Electricity	kWh	1000000	100000
Gas	0	1000000	Gas	kWh	1000000	100000
Water	0	1000000	Water	kWh	1000000	100000
Heating	0	1000000	Heating	kWh	1000000	100000
Cooling	0	1000000	Cooling	kWh	1000000	100000
Lighting	0	1000000	Lighting	kWh	1000000	100000
Other	0	1000000	Other	kWh	1000000	100000

Figure 4.11: Total Performance Summary

SECTION 1.8: TOTAL BUILDING PERFORMANCE SUMMARY

Select one of the following:

- ☐ The energy analysis includes exceptional calculation methods (optional).
- ☐ The energy analysis does not include exceptional calculation methods.

Table 4.11-1: Total Building Performance Summary

End Use	Source	Renewable	Non-Renewable	Energy Type	Unit	Annual Energy Use (kWh)	Annual Cost (\$)	% Total
Electricity	Grid	0	1000000	Electricity	kWh	1000000	100000	100%
Gas	Grid	0	1000000	Gas	kWh	1000000	100000	100%
Water	Grid	0	1000000	Water	kWh	1000000	100000	100%
Heating	Grid	0	1000000	Heating	kWh	1000000	100000	100%
Cooling	Grid	0	1000000	Cooling	kWh	1000000	100000	100%
Lighting	Grid	0	1000000	Lighting	kWh	1000000	100000	100%
Other	Grid	0	1000000	Other	kWh	1000000	100000	100%
Total	Grid	0	1000000	Total	kWh	1000000	100000	100%

Table 4.11-2: On-Site Renewable Energy

End Use	Renewable	Non-Renewable	Energy Type	Unit	Annual Energy Use (kWh)	Annual Cost (\$)
Electricity	0	1000000	Electricity	kWh	1000000	100000
Gas	0	1000000	Gas	kWh	1000000	100000
Water	0	1000000	Water	kWh	1000000	100000
Heating	0	1000000	Heating	kWh	1000000	100000
Cooling	0	1000000	Cooling	kWh	1000000	100000
Lighting	0	1000000	Lighting	kWh	1000000	100000
Other	0	1000000	Other	kWh	1000000	100000

BEYOND SMART CITIES

THANK YOU

THE WORLD'S 1ST GREEN TECHNOLOGY MARKETPLACE

ENERGY MODELING SPECIALIST

BEYOND SMART CITIES