

FORMULA TROUBLESHOOTING

Diagnose the model - do not overwrite it

When a value differs from the formative checkpoint, work through this sequence.

1. Is it a formula?

Click the cell. It should begin with = in the formula bar.

2. Are you on the correct sheet/cell?

The course names the sheet and address, for example Your Model!B4.

3. Are percentages stored as percentages?

90% should behave as 0.90, not 90.

4. Did the reference move when copied?

Relative references such as B15 move. Absolute references such as \$B\$4 do not.

5. Did you subtract maintenance?

Net Year-1 Saving = Gross Saving - Annual Maintenance.

6. Is payback the right way around?

Installed Cost / Net Year-1 Saving.

7. Does the formula point to Case Data?

Trace the source rather than retyping the supplier number.

8. Still stuck?

Compare one formula at a time with the expandable formative feedback on the course page.

Reference checkpoints

Useful generation: 82 800 | 102 850 | 114 660 kWh

Net Year-1 saving: R222 840 | R276 980 | R307 048

Simple payback: 2.92 | 2.96 | 3.22 years

A different result is feedback. Find the reason before continuing.