



Business Sustainability Modules

Opportunity Assessment

Preliminary Assessment

Example: Should we invest LED lights?



Is it feasible?

Workings

- | | | |
|-----------------------|---|---|
| <input type="radio"/> | Will it work? | <input checked="" type="checkbox"/> Yes |
| <input type="radio"/> | What kind of impact will it have on the office's environmental performance? | <input checked="" type="checkbox"/> 50% reduction in energy consumption
<input checked="" type="checkbox"/> Longer life, less mercury sent to landfill. Will need to make sure fluorescent tubes are recycled. |
| <input type="radio"/> | Will it affect health and safety? | <input checked="" type="checkbox"/> No. May be some concern around glare |
| <input type="radio"/> | Will it affect productivity? | <input checked="" type="checkbox"/> Improved workplace performance
- 8.3% visual and cognitive tasks
- reduced fatigue
- faster reaction times
- improved mood ¹ |
| <input type="radio"/> | Will it affect customer expectations? | <input checked="" type="checkbox"/> No |
| <input type="radio"/> | Resources available?
Will it be easy to implement? | <input checked="" type="checkbox"/> Yes. Include in next year's financial budget. May be some disruption during installation |
| <input type="radio"/> | What would be required of staff? | <input checked="" type="checkbox"/> Replacement of the tubes and keeping the fixtures clean. |

¹ www.davidsonprojects.com.au/the-positive-effects-of-led-lighting-in-the-office/



Business Sustainability Modules

Opportunity Assessment

Economic Assessment

Example: Should we invest in roof top solar?



Payback? Workings

Cost to implement

- | | |
|-------------------------------------|--|
| a. Estimated costs | \$30 597 to install a 33-kW system including installation & switch board upgrade |
| b. Ongoing costs in 12-month period | \$400 to get the system cleaned annually |
| Total costs: (a + b) | \$30 997 |

Savings from implementation

- | | |
|----------------------------------|--|
| c. Saving in 12 months | \$8,125
(solar power used \$7099 & credit from solar power fed back into grid \$1026) |
| d. Other benefits over 12 months | |
| Total savings: (c + d) | \$8125 |

Simple Payback

Payback period:	$\frac{\text{Total costs}}{\text{Total savings}}$	$\frac{\$30\,997}{\$8125}$
Payback		3.8 years



Business Sustainability Modules

Opportunity Assessment

Your project (Title)

Preliminary Assessment

Is it feasible?

Comments



Will it work?

What kind of impact will it have on the office's environmental performance?

Will it affect health and safety?

Will it affect productivity?

Will it affect customer expectations?

Resources available?

Will it be easy to implement?

What would be required of staff?



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Opportunity Assessment

Your Project (Title)

Economic Assessment

Payback?

Workings

Cost to implement

- a. Estimated costs
- b. Ongoing costs in 12-month period
- Total costs: (a + b)**

Savings from implementation

- c. Saving in 12 months
- d. Other benefits over 12 months
- Total savings: (c + d)**

Simple Payback

Payback period: $\frac{\text{Total costs}}{\text{Total savings}}$ $\frac{\text{Total costs}}{\text{Total savings}}$

Payback **x years**