

C Cleaner Production investment proposal checklists

C2 Cleaner Production investment decisions: Detailed cost checklist

Objective: This checklist breaks down costs that can affect decisions on investing in Cleaner Production.

COST		COST	
Planning/engineering (including materials, labour)		Working capital	
• Planning		• Raw materials inventory	
• Design/engineering		• Product inventory	
• Accounting		• Accounts receivable/payable	
• Procurement		• Taxes payable	
Permitting (including materials, labour, permit fees)		• Cash	
• Siting permits		Utilities/connections (including materials, labour)	
• Construction permits		• Electricity	
• Environmental permits		• Fuel	
• Contractor/consultant fees		• Heating	
Site preparation (including materials, labour)		• Cooling/refrigeration	
• Land purchase		• Water	
• Equipment rental		• Steam	
• Demolition and clearing		• Sewerage	
• Old equipment/rubbish disposal		• Plant air	
• Grading, landscaping		• Inert gas	
• Building construction		Training (including materials, labour)	
Equipment purchase (including taxes, delivery, insurance, installation)		• Operations training	
• Process equipment		• Safety/environmental training	
• Monitoring equipment		Costs for the first operating week (cannot always be ascertained)	
• Protective/safety equipment		Shut-down/Start-up costs	
• Materials handling equipment		• Test runs	
• Storage equipment		Contingency fund	
• Laboratory equipment		Salvage value	
• Transport equipment			
• Waste handling equipment			
• Rework/recycling equipment			
• Waste treatment equipment			
• Initial spare parts			