





























valuing cash payments on the project and cash receipts expected to be earned over the lifetime of the investment at the same point in time, i.e the present.





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Discounted Cash Flow
An example:
• A firm is deciding on investing in an energy efficiency system. Two possible systems are under investigation
 One yields quicker results in terms of energy savings than the other but the second may be more efficient later
 Which should the firm invest in?
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	Discounted Cash Flow – System A						
	Year	Cash Flow (£)	Discount Factor (4.75%)	Present Value (£) (CF x DF)			
	0	- 600,000	1.00	-600,000			
	1	+75,000	0.9546539	71,599.04			
	2	+ 100,000	0.9113641	91,136.41			
	3	+150,000	0.8700374	130,505.61			
	4	+200,000	0.8305846	166,116.92			
	5	+210,000	0.7929209	166,513.39			
	6	+150,000	0.7569650	113,544.75			
	Total	285,000		NPV =139,416			
				0			

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Discou	Discounted Cash Flow – System B					
Year	Cash Flow (£)	Discount Factor (4.75%)	Present Value (£) (CF x DF)			
0	- 600,000	1.00	-600,000			
1	+25,000	0.9546539	23,866.35			
2	+75,000	0.9113641	68,352.31			
3	+85,000	0.8700374	73,953.18			
4	+100,000	0.8305846	83,058.46			
5	+150,000	0.7929209	118,938.10			
,	+450,000	0.7569650	340,634.30			
6			NDV 109 902 70			

six years but the returns of System A occur faster and are worth more to the firm than returns occurring in future years even though those returns are greater





