
CHAPTER 10

MAKING CAPITAL INVESTMENT DECISIONS

Answers to Concepts Review and Critical Thinking Questions

1. In this context, an opportunity cost refers to the value of an asset or other input that will be used in a project. The relevant cost is what the asset or input is actually worth today, not, for example, what it cost to acquire.
2. For tax purposes, a firm would choose MACRS because it provides for larger depreciation deductions earlier. These larger deductions reduce taxes, but have no other cash consequences. Notice that the choice between MACRS and straight-line is purely a time value issue; the total depreciation is the same, only the timing differs.
3. It's probably only a mild over-simplification. Current liabilities will all be paid, presumably. The cash portion of current assets will be retrieved. Some receivables won't be collected, and some inventory will not be sold, of course. Counterbalancing these losses is the fact that inventory sold above cost (and not replaced at the end of the project's life) acts to increase working capital. These effects tend to offset.
4. Management's discretion to set the firm's capital structure is applicable at the firm level. Since any one particular project could be financed entirely with equity, another project could be financed with debt, and the firm's overall capital structure remains unchanged, financing costs are not relevant in the analysis of a project's incremental cash flows according to the stand-alone principle.
5. The EAC approach is appropriate when comparing mutually exclusive projects with different lives that will be replaced when they wear out. This type of analysis is necessary so that the projects have a common life span over which they can be compared; in effect, each project is assumed to exist over an infinite horizon of N-year repeating projects. Assuming that this type of analysis is valid implies that the project cash flows remain the same forever, thus ignoring the possible effects of, among other things: (1) inflation, (2) changing economic conditions, (3) the increasing unreliability of cash flow estimates that occur far into the future, and (4) the possible effects of future technology improvement that could alter the project cash flows.
6. Depreciation is a non-cash expense, but it is tax-deductible on the income statement. Thus depreciation causes taxes paid, an actual cash outflow, to be reduced by an amount equal to the depreciation tax shield $t_c D$. A reduction in taxes that would otherwise be paid is the same thing as a cash inflow, so the effects of the depreciation tax shield must be added in to get the total incremental aftertax cash flows.
7. There are two particularly important considerations. The first is erosion. Will the essentialized book simply displace copies of the existing book that would have otherwise been sold? This is of special concern given the lower price. The second consideration is competition. Will other publishers step in and produce such a product? If so, then any erosion is much less relevant. A particular concern to

B-100 SOLUTIONS

book publishers (and producers of a variety of other product types) is that the publisher only makes money from the sale of new books. Thus, it is important to examine whether the new book would displace sales of used books (good from the publisher's perspective) or new books (not good). The concern arises any time there is an active market for used product.

8. This market was heating up rapidly, and a number of other manufacturers were planning competing products.
9. One company may be able to produce at lower incremental cost or market better. For example, GM may have been able to retool existing production more cheaply, and GM also has a larger dealer network. Also, of course, one of the two may have made a mistake!
10. GM would recognize that the outsized profits would dwindle as more product comes to market and competition becomes more intense.

Solutions to Questions and Problems

Basic

1. The \$5 million acquisition cost of the land six years ago is a sunk cost. The \$4.2 million current appraisal of the land is an opportunity cost if the land is used rather than sold off. The \$7.3 million cash outlay and \$325,000 grading expenses are the initial fixed asset investments needed to get the project going. Therefore, the proper year zero cash flow to use in evaluating this project is $\$4,200,000 + 7,300,000 + 325,000 = \$11,825,000$.
2. Sales due solely to the new product line are $16,000(\$12,000) = \192 million. Increased sales of the motor home line occur because of the new product line introduction; thus $5,000(\$45,000) = \225 million in new sales is relevant. Erosion of luxury motor coach sales is also due to the new mid-size campers; thus $1,000(\$78,000) = \78 million loss in sales is relevant. The net sales figure to use in evaluating the new line is thus $\$192$ million + 225 million – 78 million = $\$339$ million.

3.	Sales	\$ 700,000
	Variable costs	420,000
	Fixed costs	175,000
	Depreciation	<u>75,000</u>
	EBT	\$ 30,000
	Taxes@35%	<u>10,500</u>
	Net income	<u>\$ 19,500</u>

4.	Sales	\$ 864,350
	Variable costs	501,500
	Depreciation	<u>112,000</u>
	EBT	\$ 250,850
	Taxes@34%	<u>85,289</u>
	Net income	<u>\$ 165,561</u>

$$\begin{aligned}
 \text{OCF} &= \text{EBIT} + \text{D} - \text{T} \\
 &= \$250,850 + 112,000 - 85,289 = \$277,561 \\
 \text{Depreciation tax shield} &= t_c \text{D} \\
 &= .34(\$112,000) = \$38,080
 \end{aligned}$$

5.

Sales	\$ 85,000
Variable costs	43,000
Depreciation	<u>3,000</u>
EBT	\$ 39,000
Taxes@35%	<u>13,650</u>
Net income	<u>\$ 25,350</u>

$$\begin{aligned} \text{OCF} &= \text{EBIT} + D - T = \$39,000 + 3,000 - 13,650 &&= \$28,350 \\ \text{OCF} &= S - C - T = \$85,000 - 43,000 - 13,650 &&= \$28,350 \\ \text{OCF} &= (S - C)(1 - t_c) + t_c D = (\$85,000 - 43,000)(1 - .35) + .35(3,000) &&= \$28,350 \\ \text{OCF} &= \text{NI} + D = \$25,350 + 3,000 &&= \$28,350 \end{aligned}$$

6.

Year	Beginning Book Value	MACRS %	Depreciation Allowance	Ending Book Value
1	\$847,000.00	14.29	\$121,036.30	\$725,963.70
2	725,963.70	24.49	207,430.30	518,533.40
3	518,533.40	17.49	148,140.30	370,393.10
4	370,393.10	12.49	105,790.30	264,602.80
5	264,602.80	8.93	75,637.10	188,965.70
6	188,965.70	8.93	75,637.10	113,328.60
7	113,328.60	8.93	75,637.10	37,691.50
8	37,691.50	4.45	37,691.50	0

7. $BV_5 = \$320,000 - 320,000(5/8) = \$120,000$
 The asset is sold at a loss to book value, so the depreciation tax shield of the loss is recaptured.
 Aftertax salvage value = $\$70,000 + (\$120,000 - 70,000)(0.35) = \$87,500$

8. $BV_4 = \$8.4M - 8.4M(0.2000 + 0.3200 + 0.1920 + 0.1152) = \$1,451,520$
 The asset is sold at a gain to book value, so this gain is taxable.
 Aftertax salvage value = $\$1,600,000 + (\$1,451,520 - 1,600,000)(.35) = \$1,548,032$

9. A/R fell by \$3,380, and inventory increased by \$2,580, so net current assets fell by \$800
 $\Delta \text{NWC} = \Delta(\text{CA} - \text{CL}) = -\$800 - 2,300 = -\$3,100$
 Net cash flow = $S - C - \Delta \text{NWC} = \$61,800 - 26,300 - (-3,100) = \$38,600$

10. $\text{OCF} = (S - C)(1 - t_c) + t_c D = (\$1.9M - 850K)(1 - 0.35) + 0.35(\$2.1/3) = \$927,500$

11. $\text{NPV} = -\$2.1M + \$927,500(\text{PVIFA}_{15\%,3}) = \$17,691.30$

12.

Year	Cash Flow	
0	-\$2,375,000	= -\$2.1M - 275K
1	927,500	
2	927,500	
3	1,413,750	= $\$927,500 + 275,000 + 325,000(1 - 35)$

$$\text{NPV} = -\$2,375,000 + 927,500(\text{PVIFA}_{15\%,2}) + (1,413,750 / 1.15^3) = \$62,408.56$$

B-102 SOLUTIONS

13. $D_1 = \$2.1M(0.3333) = \$699,930$; $D_2 = \$2.1M(0.4444) = \$933,240$
 $D_3 = \$2.1M(0.1482) = \$311,220$; thus, $BV_3 = \$2.1M - (699,930 + 933,240 + 311,220) = \$155,610$
 The asset is sold at a gain to book value, so this gain is taxable.
 Aftertax salvage value = $\$325,000 + (155,610 - 325,000)(0.35) = \$265,713.50$
 $OCF_t = (S - C)(1 - t_c) + t_c D_t$, so:

Year	Cash Flow	
0	$-\$2,375,000$	$= -\$2.1M - 275K$
1	$927,475.50$	$= (\$1,050,000)(.65) + 0.35(\$699,930)$
2	$1,009,134$	$= (\$1,050,000)(.65) + 0.35(\$933,240)$
3	$1,332,140.50$	$= (\$1,050,000)(.65) + 0.35(\$311,220) + 265,713.50 + 275,000$

$$NPV = -\$2.375M + (\$927,475.50/1.15) + (\$1,009,134/1.15^2) + (\$1,332,140.50/1.15^3) = \$70,454.72$$

14. Annual depreciation charge = $\$410,000/5 = \$82,000$
 Aftertax salvage value = $\$70,000(1 - 0.34) = \$46,200$
 $OCF = \$115,000(1 - 0.34) + 0.34(\$82,000) = \$103,780$
 $NPV = -\$410,000 - 15,000 + 103,780(PVIFA_{10\%,5}) + [(\$46,200 + 15,000) / 1.1^5] = \$6,408.24$
15. Annual depreciation charge = $\$750,000/5 = \$150,000$
 Aftertax salvage value = $\$80,000(1 - 0.35) = \$52,000$
 $OCF = \$310,000(1 - 0.35) + 0.35(\$150,000) = \$254,000$
 $NPV = 0 = -\$750,000 + 125,000 + 254,000(PVIFA_{IRR\%,5}) + [(\$52,000 - 125,000) / (1+IRR)^5]$
 $IRR = 27.74\%$
16. \$300K cost savings case: $OCF = \$300,000(1 - 0.35) + 0.35(\$150,000) = \$247,500$
 $NPV = -\$750,000 + 125,000 + 247,500(PVIFA_{20\%,5}) + [(\$52,000 - 125,000) / (1.20)^5]$
 $= \$85,839.44$
 \$200K cost savings case: $OCF = \$200,000(1 - 0.35) + 0.35(\$150,000) = \$182,500$
 $NPV = -\$750,000 + 125,000 + 182,500(PVIFA_{20\%,5}) + [(\$52,000 - 125,000) / (1.20)^5]$
 $= -\$108,550.35$
 Required pretax cost-savings case:
 $NPV = 0 = -\$750,000 + \$125,000 + OCF(PVIFA_{20\%,5}) + [(\$52,000 - 125,000) / (1.20)^5]$,
 so $OCF = \$218,797.03 = (S - C)(1 - 0.35) + 0.35(\$150K)$; $(S - C) = \$255,841.59$
17. $NPV = -\$225,000 - 20,000 - 25,000(PVIFA_{15\%,5}) + \$20,000/1.15^5 = -\$318,860.34$
 $EAC = -\$318,860.34 / (PVIFA_{15\%,5}) = -\$95,121$
18. Both cases: aftertax salvage value = $\$20,000(1 - 0.35) = \$13,000$
 Techron I: $OCF = -\$32,000(1 - 0.35) + 0.35(\$195,000/3) = \$1,950$
 $NPV = -\$195,000 + 1,950(PVIFA_{14\%,3}) + (\$13,000/1.14^3) = -\$181,698.19$
 $EAC = -\$181,698.19 / (PVIFA_{14\%,3}) = -\$78,263.13$
 Techron II: $OCF = -\$19,000(1 - 0.35) + 0.35(\$295,000/5) = \$8,300$
 $NPV = -\$295,000 + 8,300(PVIFA_{14\%,5}) + (\$13,000/1.14^5) = -\$259,753.64$
 $EAC = -\$259,753.64 / (PVIFA_{14\%,5}) = -\$75,661.96$

B-104 SOLUTIONS

The two milling machines have unequal lives, so they can only be compared by expressing both on an equivalent annual basis, which is what the EAC method does. Thus, you prefer the Techron II because it has the lower (less negative) annual cost.

19. Aftertax salvage value = $\$40,000(1 - 0.35) = \$26,000$
 $NPV = 0 = -\$510,000 - 60,000 + OCF(PVIFA_{16\%,5}) + [(\$60,000 + 26,000) / 1.16^5]$
 $OCF = \$529,054.28 / PVIFA_{16\%,5} = \$161,578.14$
 $OCF = \$161,578 = [(P-v)Q - FC](1 - t_c) + t_c D$
 $\$161,578 = [(P - 8.00)(170,000) - 160,000](1 - 0.35) + 0.35(\$510,000/5); P = \$10.08$

Intermediate

20. $D_1 = \$450,000(0.20) = \$90,000$; $D_2 = \$450,000(0.32) = \$144,000$
 $D_3 = \$450,000(0.192) = \$86,400$; $D_4 = \$450,000(0.1152) = \$51,840$
 $BV_4 = \$450,000 - (\$90,000 + 144,000 + 86,400 + 51,840) = \$77,760$
 The asset is sold at a gain to book value, so this gain is taxable.
 After-tax salvage value = $\$90,000 + (\$77,760 - 90,000)(0.35) = \$85,716$
 $OCF_1 = \$150,000(1 - 0.35) + 0.35(\$90,000) = \$129,000$
 $OCF_2 = \$150,000(1 - 0.35) + 0.35(\$144,000) = \$147,900$
 $OCF_3 = \$150,000(1 - 0.35) + 0.35(\$86,400) = \$127,740$
 $OCF_4 = \$150,000(1 - 0.35) + 0.35(\$51,840) = \$115,644$
 $NPV = -\$450,000 - 18,000 + (\$129,000 - 3,000)/1.14 + (\$147,900 - 3,000)/1.14^2$
 $+ (\$127,740 - 3,000)/1.14^3 + (\$115,644 + 27,000 + 85,716)/1.14^4 = -\$26,574.44$
21. $OCF_A = -\$105,000(1 - 0.34) + 0.34(\$405,000/3) = -\$23,400$
 $NPV_A = -\$405,000 - 23,400(PVIFA_{20\%,3}) = -\$454,291.67$
 $OCF_B = -\$60,000(1 - 0.34) + 0.34(\$450,000/5) = -\$9,000$
 $NPV_B = -\$450,000 - 9,000(PVIFA_{20\%,5}) = -\$476,915.51$
 If the system will not be replaced when it wears out, then system A should be chosen, because it has the more positive NPV.
22. $EAC_A = -\$454,291.67 / (PVIFA_{20\%,3}) = -\$215,663.74$
 $EAC_B = -\$476,915.51 / (PVIFA_{20\%,5}) = -\$159,470.87$
23. After-tax salvage value = $\$400,000(1 - 0.34) = \$264,000$
 $NPV = 0 = -\$2,400,000 - 900,000 - 600,000 + OCF(PVIFA_{15\%,5}) - 50,000(PVIFA_{15\%,4})$
 $+ [(\$264,000 + 800,000) / 1.15^5]$
 $OCF = \$3,513,752.87 / PVIFA_{15\%,5} = \$1,048,207.13$
 $OCF = \$1,048,207.13 = [(P-v)Q - FC](1 - t_c) + t_c D$
 $\$1,048,207.13 = [(P - 0.006)(60,000,000) - 600,000](1 - 0.34) + 0.34(2,400,000/5); P = \0.03835
24. At a given price, taking accelerated depreciation compared to straight-line depreciation causes the NPV to be higher; similarly, at a given price, lower net working capital investment requirements will cause the NPV to be higher. Thus, NPV would be zero at a lower price in this situation. In the case of a bid price, you could submit a lower price and still break-even, or submit the higher price and make a positive NPV.

Challenge

25. Year	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
Ending book value	\$11,999,400	\$8,570,800	\$6,122,200	\$4,373,600	\$3,123,400
Units/year	95,000	107,000	110,000	112,000	85,000
Price/unit	\$330	\$330	\$330	\$330	\$330
Variable cost/unit	\$210	\$210	\$210	\$210	\$210
Sales	\$31,350,000	\$35,310,000	\$36,300,000	\$36,960,000	\$28,050,000
Variable costs	19,950,000	22,470,000	23,100,000	23,520,000	17,850,000
Fixed costs	750,000	750,000	750,000	750,000	750,000
Depreciation	<u>2,000,600</u>	<u>3,428,600</u>	<u>2,448,600</u>	<u>1,748,600</u>	<u>1,250,200</u>
EBIT	8,649,400	8,661,400	10,001,400	10,941,400	8,199,800
Taxes (35%)	<u>3,027,290</u>	<u>3,031,490</u>	<u>3,500,490</u>	<u>3,829,490</u>	<u>2,869,930</u>
Net Income	5,621,110	5,629,910	6,500,910	7,111,910	5,329,870
Dep	<u>2,000,600</u>	<u>3,428,600</u>	<u>2,448,600</u>	<u>1,748,600</u>	<u>1,250,200</u>
Operating CF	<u>\$7,622,710</u>	<u>\$9,058,510</u>	<u>\$8,949,510</u>	<u>\$8,860,510</u>	<u>\$6,580,070</u>

Year	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
Operating CF	\$0	\$7,622,710	\$9,058,510	\$8,949,510	\$8,860,510	\$6,580,070
Change in NWC	(1,500,000)	(792,000)	(198,000)	(132,000)	1,782,000	840,000
Capital spending	<u>(14,000,000)</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>3,823,190</u>
Total CF	<u>(\$15,500,000)</u>	<u>\$6,830,710</u>	<u>\$8,860,510</u>	<u>\$8,817,510</u>	<u>\$10,642,510</u>	<u>\$11,243,260</u>

Net present value = \$5,765,104.97; IRR = 46.77%

26. $D_1 = \$540,000(0.3333) = \$179,982$ $D_2 = \$540,000(0.4444) = \$239,976$
 $D_3 = \$540,000(0.1482) = \$80,028$ $D_4 = \$540,000(0.0741) = \$40,014$
 After-tax salvage value = $\$60,000(1 - 0.35) = \$39,000$
 $OCF_1 = (S - C)(1 - 0.35) + 0.35(\$179,982)$
 $OCF_2 = (S - C)(1 - 0.35) + 0.35(\$239,976)$
 $OCF_3 = (S - C)(1 - 0.35) + 0.35(\$80,028)$
 $OCF_4 = (S - C)(1 - 0.35) + 0.35(\$40,014)$
 $OCF_5 = (S - C)(1 - 0.35)$
 $NPV = 0 = -\$540,000 - 40,000 + (S - C)(0.65)(PVIFA_{12\%,5}) + 0.35(\$179,982/1.12$
 $+ \$239,976/1.12^2 + \$80,028/1.12^3 + \$40,014/1.12^4) + (\$39,000 + 40,000)/1.12^5$
 $(S - C)(0.65)(PVIFA_{12\%,5}) = \$383,134.12; (S - C) = \$163,515.59$

B-106 SOLUTIONS

27. a. Assume price per unit = \$11 and units/year = 170,000

Year	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
Sales	\$1,870,000	\$1,870,000	\$1,870,000	\$1,870,000	\$1,870,000
Variable costs	1,360,000	1,360,000	1,360,000	1,360,000	1,360,000
Fixed costs	160,000	160,000	160,000	160,000	160,000
Depreciation	<u>102,000</u>	<u>102,000</u>	<u>102,000</u>	<u>102,000</u>	<u>102,000</u>
EBIT	248,000	248,000	248,000	248,000	248,000
Taxes (35%)	<u>86,800</u>	<u>86,800</u>	<u>86,800</u>	<u>86,800</u>	<u>86,800</u>
Net Income	161,200	161,200	161,200	161,200	161,200
Dep	<u>102,000</u>	<u>102,000</u>	<u>102,000</u>	<u>102,000</u>	<u>102,000</u>
Operating CF	<u>\$263,200</u>	<u>\$263,200</u>	<u>\$263,200</u>	<u>\$263,200</u>	<u>\$263,200</u>

Year	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
Operating CF	\$0	\$263,200	\$263,200	\$263,200	\$263,200	\$263,200
Change in NWC	(60,000)	0	0	0	0	60,000
Capital spending	<u>(510,000)</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>26,000</u>
Total CF	<u>(\$570,000)</u>	<u>\$263,200</u>	<u>\$263,200</u>	<u>\$263,200</u>	<u>\$263,200</u>	<u>\$349,200</u>

Net Present Value = \$332,739.81

b. Aftertax salvage value = \$40,000(1 - 0.35) = \$26,000

$$NPV = 0 = -\$510,000 - 60,000 + OCF(PVIFA_{16\%,5}) + [(\$60,000 + 26,000) / 1.16^5]$$

$$OCF = \$529,054.28 / PVIFA_{16\%,5} = \$161,578.14$$

$$OCF = \$161,578 = [(P-v)Q - FC](1 - t_c) + t_c D$$

$$\$161,578 = [(\$11.00 - 8.00)Q - 160,000](1 - 0.35) + 0.35(\$510,000/5); \quad Q = 117,886$$

Year	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
Sales	\$1,296,746	\$1,296,746	\$1,296,746	\$1,296,746	\$1,296,746
Variable costs	943,088	943,088	943,088	943,088	943,088
Fixed costs	160,000	160,000	160,000	160,000	160,000
Depreciation	<u>102,000</u>	<u>102,000</u>	<u>102,000</u>	<u>102,000</u>	<u>102,000</u>
EBIT	91,658	91,658	91,658	91,658	91,658
Taxes (35%)	<u>32,080</u>	<u>32,080</u>	<u>32,080</u>	<u>32,080</u>	<u>32,080</u>
Net Income	59,578	59,578	59,578	59,578	59,578
Dep	<u>102,000</u>	<u>102,000</u>	<u>102,000</u>	<u>102,000</u>	<u>102,000</u>
Operating CF	<u>\$161,578</u>	<u>\$161,578</u>	<u>\$161,578</u>	<u>\$161,578</u>	<u>\$161,578</u>

Year	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
Operating CF	\$0	\$161,578	\$161,578	\$161,578	\$161,578	\$161,578
Change in NWC	(60,000)	0	0	0	0	60,000
Capital spending	<u>(510,000)</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>26,000</u>
Total CF	<u>(\$570,000)</u>	<u>\$161,578</u>	<u>\$161,578</u>	<u>\$161,578</u>	<u>\$161,578</u>	<u>\$247,578</u>

Net Present Value ≈ \$0

c. Aftertax salvage value = $\$40,000(1 - 0.35) = \$26,000$

$$\text{NPV} = 0 = -\$510,000 - 60,000 + \text{OCF}(\text{PVIFA}_{16\%,5}) + [(\$60,000 + 26,000) / 1.16^5]$$

$$\text{OCF} = \$529,054.28 / \text{PVIFA}_{16\%,5} = \$161,578.14$$

$$\text{OCF} = \$161,578 = [(P-v)Q - FC](1 - t_c) + t_c D$$

$$\$161,578 = [(\$11.00 - 8.00)(170,000) - FC](1 - 0.35) + 0.35(\$510,000/5); \quad FC = \$316,342$$

<u>Year</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
Sales	\$1,870,000	\$1,870,000	\$1,870,000	\$1,870,000	\$1,870,000
Variable costs	1,360,000	1,360,000	1,360,000	1,360,000	1,360,000
Fixed costs	316,342	316,342	316,342	316,342	316,342
Depreciation	<u>102,000</u>	<u>102,000</u>	<u>102,000</u>	<u>102,000</u>	<u>102,000</u>
EBIT	91,658	91,658	91,658	91,658	91,658
Taxes (35%)	<u>32,080</u>	<u>32,080</u>	<u>32,080</u>	<u>32,080</u>	<u>32,080</u>
Net Income	59,578	59,578	59,578	59,578	59,578
Dep	<u>102,000</u>	<u>102,000</u>	<u>102,000</u>	<u>102,000</u>	<u>102,000</u>
Operating CF	<u>\$161,578</u>	<u>\$161,578</u>	<u>\$161,578</u>	<u>\$161,578</u>	<u>\$161,578</u>

<u>Year</u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
Operating CF	\$0	\$161,578	\$161,578	\$161,578	\$161,578	\$161,578
Change in NWC	(60,000)	0	0	0	0	60,000
Capital spending	<u>(510,000)</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>26,000</u>
Total CF	<u>(\$570,000)</u>	<u>\$161,578</u>	<u>\$161,578</u>	<u>\$161,578</u>	<u>\$161,578</u>	<u>\$247,578</u>

Net Present Value \approx \$0