DCF Analysis

Hidden Valley
InService Date: Sep-01-2023

Project Year ($000's)	Project Total	1	2	3	4	5	6	7	8	9	10
Operating Cash Flow											
Revenue:											
SES Revenue	2,007	4	14	26	34	40	44	46	49	51	54
Distribution Revenue	2,301	5	16	29	39	45	50	53	56	59	61
Expenses:											
O & M Expense	(720)	(2)	(5)	(9)	(12)	(14)	(16)	(17)	(17)	(18)	(19)
Municipal Tax	(52)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Income Tax	(911)	7	(6)	(11)	(15)	(18)	(20)	(21)	(22)	(24)	(25)
Net Operating Cash Flow	2,624	13	18	33	45	52	57	60	63	66	70
Capital											
Incremental Capital	(1,450)	(433)	(94)	(274)	(137)	(142)	(68)	(71)	(74)	(77)	(80)
Change in Working Capital	(1)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Total Capital	(1,451)	(433)	(94)	(274)	(137)	(143)	(68)	(71)	(74)	(77)	(80)
CCA Tax Shield											
CCA Tax Shield	341	6	7	11	12	14	14	14	14	15	15
Net Present Value											
PV of Operating Cash Flow	1,085	13	17	30	38	42	44	44	44	45	45
PV of Capital	(1,256)	(433)	(87)	(244)	(117)	(116)	(53)	(52)	(52)	(52)	(51)
PV of CCA Tax Shield	178	6	7	10	10	11	11	10	10	10	10
Total NPV	6	(414)	(64)	(205)	(68)	(63)	2	2	3	3	3
Project NPV	**6**										
Profitability Index											
Cumulative PI		0.04	0.08	0.11	0.15	0.18	0.23	0.26	0.30	0.33	0.36
Project PI	**1.00**										

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InService Date: Sep-01-2023

Project Year ($000's)	Project Total	11	12	13	14	15	16	17	18	19	20
Operating Cash Flow											
Revenue:											
SES Revenue	2,007	55	55	55	55	55	55	55	55	55	55
Distribution Revenue	2,301	63	63	63	63	63	63	63	63	63	63
Expenses:											
O & M Expense	(720)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)
Municipal Tax	(52)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Income Tax	(911)	(25)	(25)	(25)	(25)	(25)	(25)	(25)	(25)	(25)	(25)
Net Operating Cash Flow	2,624	72	72	72	72	72	72	72	72	72	72
Capital											
Incremental Capital	(1,450)	-	-	-	-	-	-	-	-	-	-
Change in Working Capital	(1)	(0)	-	-	-	-	-	-	-	-	-
Total Capital	(1,451)	(0)	-	-	-	-	-	-	-	-	-
CCA Tax Shield											
CCA Tax Shield	341	14	13	12	12	11	10	10	9	9	8
Net Present Value											
PV of Operating Cash Flow	1,085	44	42	40	38	36	35	33	32	30	29
PV of Capital	(1,256)	(0)	-	-	-	-	-	-	-	-	-
PV of CCA Tax Shield	178	9	8	7	6	6	5	4	4	4	3
Total NPV	6	53	50	47	44	42	40	38	36	34	32
Project NPV	**6**										
Profitability Index											
Cumulative PI		0.40	0.44	0.48	0.52	0.55	0.58	0.61	0.64	0.67	0.69
Project PI	**1.00**										

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Hidden Valley
InService Date: Sep-01-2023

Project Year ($000's)	Project Total	21	22	23	24	25	26	27	28	29	30
Operating Cash Flow											
Revenue:											
SES Revenue	2,007	55	55	55	55	55	55	55	55	55	55
Distribution Revenue	2,301	63	63	63	63	63	63	63	63	63	63
Expenses:											
O & M Expense	(720)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)
Municipal Tax	(52)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Income Tax	(911)	(25)	(25)	(25)	(25)	(25)	(25)	(25)	(25)	(25)	(25)
Net Operating Cash Flow	2,624	72	72	72	72	72	72	71	71	71	71
Capital											
Incremental Capital	(1,450)	-	-	-	-	-	-	-	-	-	-
Change in Working Capital	(1)	-	-	-	-	-	-	-	-	-	-
Total Capital	(1,451)	-	-	-	-	-	-	-	-	-	-
CCA Tax Shield											
CCA Tax Shield	341	8	7	7	6	6	6	5	5	5	4
Net Present Value											
PV of Operating Cash Flow	1,085	27	26	25	24	23	22	21	20	19	18
PV of Capital	(1,256)	-	-	-	-	-	-	-	-	-	-
PV of CCA Tax Shield	178	3	3	2	2	2	2	2	1	1	1
Total NPV	6	30	29	27	26	25	23	22	21	20	19
Project NPV	**6**										
Profitability Index											
Cumulative PI		0.72	0.74	0.76	0.78	0.80	0.82	0.84	0.85	0.87	0.89
Project PI	**1.00**										

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Hidden Valley
InService Date: Sep-01-2023

Project Year ($000's)	Project Total	31	32	33	34	35	36	37	38	39	40
Operating Cash Flow											
Revenue:											
SES Revenue	2,007	55	55	55	55	55	55	55	55	55	55
Distribution Revenue	2,301	63	63	63	63	63	63	63	63	63	63
Expenses:											
O & M Expense	(720)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)	(20)
Municipal Tax	(52)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Income Tax	(911)	(25)	(25)	(25)	(25)	(25)	(25)	(25)	(25)	(25)	(26)
Net Operating Cash Flow	2,624	71	71	71	71	71	71	71	71	71	71
Capital											
Incremental Capital	(1,450)	-	-	-	-	-	-	-	-	-	-
Change in Working Capital	(1)	-	-	-	-	-	-	-	-	-	-
Total Capital	(1,451)	-	-	-	-	-	-	-	-	-	-
CCA Tax Shield											
CCA Tax Shield	341	4	4	4	3	3	3	3	3	2	24
Net Present Value											
PV of Operating Cash Flow	1,085	17	16	16	15	14	14	13	12	12	11
PV of Capital	(1,256)	-	-	-	-	-	-	-	-	-	-
PV of CCA Tax Shield	178	1	1	1	1	1	1	1	0	0	4
Total NPV	6	18	17	16	16	15	14	13	13	12	15
Project NPV	**6**										
Profitability Index											
Cumulative PI		0.90	0.91	0.93	0.94	0.95	0.96	0.97	0.98	0.99	1.00
Project PI	**1.00**										