d = 20% $S(n) = 12000(1-d)^n$ MARR=2.5% G=390 $EAC_{coe} = [P+I-S(n)](\frac{1}{2},i,n)+S(n)i$ EAC = EACcop + EACoan Veac 1 S(1) = 12000 (1-0.2) = 9600.00 EAC=[12500-9600](1.0250)+9600(0.025)+1250 = \$4462.50 Year 2 5(2) = 12000(1-0.2)2= 7680.00 EAC = [P+1-S(n)(\$,2.5%,2) +S(n)(+ Olm + Olm (\$,2.5%,2) = [12500-7680](0.5188) + 7680(0.025) + 1250 + 390(0.4938) =\$4135.20 Par 3 5(3) = 12600(1-6.2)3 = 6144.00 EAC = EACcop + O&MA + O&MG(\$,25%,3) + O&M, (\$,2.5%,3) =[12500-6[44](0.3501)+6144(6:025)+1250+390(0.9835)+300(0.3251) =\$4109.93 5(4)=12000(1-6.2)4=4915.20 EAC = EACcap+O&M + +O&Ma(\$, 2.5%,4) + 0&Mp(\$,2.5%,3)(\$,2.5%,4) =[12500-4915.2](8.2658) + 4915.2(0.025)+1250+390(1.4691)+30d(0.9286)(0.2658) \$1035.92 Year 5 S(5) = 12000(1-0.2) = 3932.16 EAC= EACCOR+OSMA+OSMG(&, 2.5/,5)+OSMG(&, 2.5/,3)(\$,2.5/,5) -[12500-3932.16]+3932.16(0.025)+1250+390(1.9506)+300(0.9286)10.215Z) = \$4012.79

	Year 6
	S(6)=12000 (1-0.2)6=3145.728
	ENT - EAT 1000 /A 201 () A CM - (P2012VA 201 () 108M- /A 201 ()
	EAC = EACap + Olm + Olm (2,25%,6)+02Mp, (25%,3)(2,25%,6)+08Mp2(2,25%,6)
	=[12500-3145.728](0.1815)+3145.728(0.025)+1250+390(2.4280)+300[0.9286(0.1815)
	=\$4070.88 +0.1565)
	EAC Year 4 > EAC Year 5 and EAC Year 6 > EAC Year 5
e e	
	i. EACmin = \$4012.79 and the machine should be replaced after
	5 10055
	5 years
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