

Retribucion razonable según RD 32/2008. Actividad de transporte

Aplicación al caso de la fotovoltaica

Valor inversión	6,300	€/Kw
Vida útil	25	años
Tasa actualización	2.50%	%
Rentabilidad bono 10 años	4.84%	%
Costes OM	5.24	c€/Kwh
Tasa actualización OM	3.00%	%
Horas equivalentes	1,227	h/año
Potencia nominal	100.00	Kw

Calculos

Inversion total	630,000	€
Producción anual	122,700	Kwh
Coste OM año	6,429.48	€
Tasa retribución financiera	8.59%	%

Año	$(1+Ta)^{m-1}$	Amortización Anual	Valor neto actual inv.	Retribución financiera	Costes Inversión	Coste Oper.mant.	Ingresos anuales
0					-630,000.00		
1	1.00	25,200.00	630,000.00	54,117.00	79,317.00	6,429.48	85,746.48
2	1.03	25,830.00	619,920.00	53,251.13	79,081.13	6,622.36	85,703.49
3	1.05	26,475.75	608,942.25	52,308.14	78,783.89	6,821.04	85,604.92
4	1.08	27,137.64	597,028.16	51,284.72	78,422.36	7,025.67	85,448.03
5	1.10	27,816.08	584,137.78	50,177.44	77,993.52	7,236.44	85,229.96
6	1.13	28,511.49	570,229.74	48,982.73	77,494.22	7,453.53	84,947.75
7	1.16	29,224.27	555,261.21	47,696.94	76,921.21	7,677.14	84,598.35
8	1.19	29,954.88	539,187.86	46,316.24	76,271.12	7,907.45	84,178.57
9	1.22	30,703.75	521,963.80	44,836.69	75,540.44	8,144.67	83,685.12
10	1.25	31,471.35	503,541.55	43,254.22	74,725.57	8,389.01	83,114.58
11	1.28	32,258.13	483,871.96	41,564.60	73,822.73	8,640.68	82,463.42
12	1.31	33,064.58	462,904.17	39,763.47	72,828.05	8,899.90	81,727.96
13	1.34	33,891.20	440,585.58	37,846.30	71,737.50	9,166.90	80,904.40
14	1.38	34,738.48	416,861.74	35,808.42	70,546.90	9,441.91	79,988.81
15	1.41	35,606.94	391,676.34	33,645.00	69,251.94	9,725.17	78,977.10
16	1.45	36,497.11	364,971.14	31,351.02	67,848.13	10,016.92	77,865.05
17	1.48	37,409.54	336,685.87	28,921.32	66,330.86	10,317.43	76,648.29
18	1.52	38,344.78	306,758.24	26,350.53	64,695.31	10,626.95	75,322.26
19	1.56	39,303.40	275,123.80	23,633.13	62,936.53	10,945.76	73,882.29
20	1.60	40,285.98	241,715.91	20,763.40	61,049.38	11,274.13	72,323.51
21	1.64	41,293.13	206,465.67	17,735.40	59,028.54	11,612.36	70,640.89
22	1.68	42,325.46	169,301.85	14,543.03	56,868.49	11,960.73	68,829.22
23	1.72	43,383.60	130,150.80	11,179.95	54,563.55	12,319.55	66,883.10
24	1.76	44,468.19	88,936.38	7,639.63	52,107.82	12,689.14	64,796.96
25	1.81	45,579.89	45,579.89	3,915.31	49,495.21	13,069.81	62,565.02
860,775.65						1,962,075.53	

TIR 10.94%

Nota: Para igualar calculo del TIR con la CNE habria que descontar los impuestos a los flujos de caja