

A5 - ANNEXES FINANCIERES

A5.3 - Programme de financement des investissements par scénario

A5.3.1 - Préfinancement scénario 1 à 4 et option 2, option 4 et tranche conditionnelle

ANNEXE 5.3.1.1 - PREFINANCEMENT

NOTE METHODOLOGIQUE

a) Assiette du préfinancement

Le planning de décaissement pris en compte pour le calcul du préfinancement est celui défini à l'annexe X et repris dans le tableau de préfinancement ci-joint.

Son assiette (I) ne prend pas en compte les investissements décidés après la signature du contrat qui feront l'objet d'un calcul spécifique.

Chaque décaissement (A_m) correspond à la valeur initiale non actualisée de l'investissement (I) multipliée par le taux de mobilisation (x_m). La valeur résultante est multipliée par le taux d'actualisation du mois en cours (a_m).

Les décaissements sont réputés intervenir à la fin de chaque mois.

Le taux d'actualisation (a_m) retenu le mois du décaissement (m) est calculé sur la base des derniers indices connus à l'échéance de ce mois.

Les fonds propres (F) de la société dédiée contribuent au préfinancement des ouvrages dès les premiers décaissements et jusqu'à épuisement de leur montant.

Les subventions perçues (S) contribuent au préfinancement des ouvrages dès leur versement au délégataire.

La TVA (T) est supposée récupérée dans un délai de 4 mois ($TR_m = T_{m-4}$).

L'encours de chaque mois (E_m) correspond à l'encours du mois précédent (E_{m-1}), auquel s'ajoute le décaissement mensuel TTC ($A_m + T_m$) et les frais financiers intercalaires du mois (FFIm), sous déduction de la TVA récupérée (TR_m), des subventions reçues (S_m) et des fonds propres mobilisés (F_m).

La consolidation de l'encours est réputée intervenir six mois après le dernier jour du dernier mois de décaissement, correspondant au constat d'achèvement des travaux. La mise en loyer intervient donc à la date normale de fin de MSI. Au-delà, les frais financiers intercalaires ne sont plus calculés, même si la mise en loyer est retardée.

b) Calcul des frais financiers intercalaires

Les frais financiers intercalaires (FFIm) sont calculés mensuellement sur la base de l'encours du mois précédent (E_{m-1}), multiplié par le taux d'intérêt périodique (i_m).

Ils sont capitalisés à la fin de chaque mois.

Les intérêts intercalaires sont calculés sur la base d'un taux (i_m) égal à un douzième du TEGM correspondant au mois en cours.

La Taux Effectif Global Mensuel se calcule de la façon suivante:

TEGM =

L'indice de référence est

Marge

Commissions et frais accessoires

Taux actuariel

ANNEXE N° 5.3.1.2.1

PREFINANCEMENT SCENARIO 1 (BASE)

		1	SCENARIO		
Montant de l'investissement contractuel initial	223.676.872	10,00%		Intérêts intercalaires	7.722.052
Investissement initial actualisé au fil de l'eau	233.999.376			Commission d'engagement	0
Montants complémentaires				Assiette Commission de montage	
Subvention	0			Taux de la commission de montage	0,50%
Fonds Propres	24.283.246			Montant de la commission de montage	1.111.034
Taux de TVA	19,60%	2,50%		Coût total du préfinancement	8.833.086
Référence taux de préfinancement	2,00%			MAF HORS ACTUALISATION	208.226.712
Marge de préfinancement	0,50%				
Marge crédit relais TVA				MONTANT A FINANCER ACTUALISE	218.549.216
Commission préloyers d'engagement	0,00%				

Date	Indice de référence	Taux mensuel applicable	Part construite	Taux d'actualisation	Décaissement HT	TVA payée	TVA remboursée	Subvention	Débit mensuel	Appel Fonds propres	Résidu Fonds Propres	Encours	Frais financiers intercalaires	Commission sur crédit non tiré	Crédit non tiré en fin de mois
	ia	im	xm	am	Am = I x xm x am	Tm	TRm	Sm	Dm = Am + Tm - TRm - Sm	Fm = min (Dm;RFPm)	RFPm = FP - somme(Fi précédents)	Em = Em-1 + Dm - Fm	FFIm = Em-1 x im	0,20%	
1			2,96%		6.612.825	1.296.114		0	7.908.939	9.056.974	15.226.272	0	1.111.034	37.001	222.206.832
2	EONIA	0,21%	0,36%	0,25%	812.451	159.240		0	971.691	1.008.692	14.217.581	0		37.001	222.206.832
3	EONIA	0,21%	1,17%	0,49%	2.631.476	515.769		0	3.147.245	3.184.245	11.033.335	0		37.001	222.206.832
4	EONIA	0,21%	0,15%	0,74%	344.702	67.562		0	412.264	449.264	10.584.071	0		37.001	222.206.832
5	EONIA	0,21%	0,67%	0,99%	1.508.601	295.686	1.296.114	0	508.173	545.173	10.038.897	0		37.001	222.206.832
6	EONIA	0,21%	0,90%	1,24%	2.047.784	401.366	159.240	0	2.289.909	2.326.909	7.711.988	0		37.001	222.206.832
7	EONIA	0,21%	2,54%	1,49%	5.755.383	1.128.055	515.769	0	6.367.669	6.404.669	1.307.319	0		37.001	222.206.832
8	EONIA	0,21%	1,58%	1,74%	3.604.266	706.436	67.562	0	4.243.141	1.307.319	0	2.972.327	0	36.506	219.234.504
9	EONIA	0,21%	5,10%	1,99%	11.638.916	2.281.228	295.686	0	13.624.458	0	0	16.637.138	6.123	34.230	205.569.693
10	EONIA	0,21%	4,02%	2,24%	9.197.783	1.802.765	401.366	0	10.599.183	0	0	27.303.045	34.270	32.454	194.903.787
11	EONIA	0,21%	3,73%	2,49%	8.541.486	1.674.131	1.128.055	0	9.087.562	0	0	36.477.773	56.240	30.927	185.729.059
12	EONIA	0,21%	3,77%	2,75%	8.657.240	1.696.819	706.436	0	9.647.623	0	0	46.229.837	75.138	29.303	175.976.995
13	EONIA	0,21%	3,77%	3,00%	8.678.591	1.701.004	2.281.228	0	8.098.368	0	0	54.451.365	95.226	27.934	167.755.467
14	EONIA	0,21%	3,64%	3,25%	8.414.525	1.649.247	1.802.765	0	8.261.006	0	0	62.851.067	112.161	26.535	159.355.765
15	EONIA	0,21%	3,65%	3,51%	8.450.452	1.656.289	1.674.131	0	8.432.610	0	0	71.438.245	129.463	25.105	150.768.587
16	EONIA	0,21%	3,61%	3,76%	8.375.667	1.641.631	1.696.819	0	8.320.478	0	0	79.929.565	147.151	23.691	142.277.267
17	EONIA	0,21%	3,68%	4,02%	8.568.664	1.679.458	1.701.004	0	8.547.118	0	0	88.663.562	164.642	22.237	133.543.269
18	EONIA	0,21%	4,50%	4,28%	10.500.594	2.058.116	1.649.247	0	10.909.463	0	0	99.776.045	182.632	20.386	122.430.787
19	EONIA	0,21%	3,01%	4,53%	7.031.450	1.378.164	1.656.289	0	6.753.326	0	0	106.754.117	205.522	19.225	115.452.715
20	EONIA	0,21%	2,89%	4,79%	6.774.434	1.327.789	1.641.631	0	6.460.593	0	0	113.452.715	219.896	18.109	108.754.117
21	EONIA	0,21%	2,84%	5,05%	6.684.676	1.310.196	1.679.458	0	6.315.414	0	0	120.018.838	233.694	17.016	102.187.993
22	EONIA	0,21%	5,46%	5,31%	12.854.045	2.519.393	2.058.116	0	13.315.321	0	0	133.596.134	247.219	14.755	88.610.698
23	EONIA	0,21%	2,84%	5,57%	6.717.689	1.316.667	1.378.164	0	6.656.191	0	0	140.541.110	275.186	13.598	81.665.722
24	EONIA	0,21%	2,89%	5,83%	6.841.512	1.340.936	1.327.789	0	6.854.659	0	0	147.697.668	289.492	12.407	74.509.164
25	EONIA	0,21%	3,15%	6,09%	7.465.014	1.463.143	1.310.196	0	7.617.961	0	0	155.630.947	304.233	11.086	66.575.885
26	EONIA	0,21%	2,98%	6,35%	7.088.039	1.389.256	2.519.393	0	5.957.902	0	0	161.919.462	320.574	10.039	60.287.370
27	EONIA	0,21%	2,49%	6,61%	5.945.477	1.165.314	1.316.667	0	5.794.124	0	0	168.056.131	333.528	9.017	54.150.701
28	EONIA	0,21%	2,24%	6,88%	5.360.441	1.050.646	1.340.936	0	5.070.151	0	0	173.480.563	346.168	8.114	48.726.268
29	EONIA	0,21%	1,97%	7,14%	4.717.475	924.625	1.463.143	0	4.178.957	0	0	178.024.219	357.342	7.357	44.182.613
30	EONIA	0,21%	1,95%	7,40%	4.690.808	919.398	1.389.256	0	4.220.951	0	0	182.618.462	366.701	6.592	39.588.369
31	EONIA	0,21%	3,51%	7,67%	8.448.878	1.655.980	1.165.314	0	8.939.545	0	0	191.939.211	376.164	5.040	30.267.621
32	EONIA	0,21%	4,30%	7,94%	10.376.726	2.033.838	1.050.646	0	11.359.918	0	0	203.697.575	395.363	3.082	18.509.257
33	EONIA	0,21%	0,62%	8,20%	1.493.096	292.647	924.625	0	861.118	0	0	204.981.145	419.584	2.868	17.225.687
34	EONIA	0,21%	2,74%	8,47%	6.640.447	1.301.528	919.398	0	7.022.577	0	0	212.427.577	422.228	1.628	9.779.255
35	EONIA	0,21%	0,62%	8,74%	1.507.046	295.381	1.655.980	0	146.447	0	0	213.013.121	437.566	1.531	9.193.711
36	EONIA	0,21%	3,70%	9,00%	9.020.716	1.768.060	2.033.838	0	8.754.938	0	0	222.206.832	438.772	0	0
37	EONIA	0,21%	0,00%	9,27%	0	0	292.647	0	-292.647	0	0	221.914.185			
38	EONIA	0,21%	0,00%	9,54%	0	0	1.301.528	0	-1.301.528	0	0	220.612.657			
39	EONIA	0,21%	0,00%	9,81%	0	0	295.381	0	-295.381	0	0	220.317.276			
40	EONIA	0,21%	0,00%	10,08%	0	0	1.768.060	0	-1.768.060	0	0	218.549.216			
41	EONIA	0,21%	0,00%	10,35%	0	0	0	0	0	0	0	218.549.216			
Totaux			100,0%		233.999.376	45.863.878	45.863.878	0	233.999.376	24.283.246	70.119.463	218.549.216	8.103.311	729.775	

ANNEXE N° 5.3.1.2.2

PREFINANCEMENT SCENARIO 2 (BASE + OPTION 3)

				2	SCENARIO		
Montant de l'investissement contractuel initial	226.243.317	10,00%				Intérêts intercalaires	7.780.844
Investissement initial actualisé au fil de l'eau	236.725.889					Commission d'engagement	0
Montants complémentaires						Assiette Commission de montage	
Subvention	0					Taux de la commission de montage	0,50%
Fonds Propres	24.563.044	2,50%				Montant de la commission de montage	1.123.707
Taux de TVA	19,60%					Coût total du préfinancement	8.904.551
Référence taux de préfinancement	2,00%						
Marge de préfinancement	0,50%					MAF HORS ACTUALISATION	210.584.824
Marge crédit relais TVA		0,00%					
Commission préloyers d'engagement	0,00%					MONTANT A FINANCER ACTUALISE	221.067.396

Date	Indice de référence	Taux mensuel applicable	Part construite	Taux d'actualisation	Décaissement HT	TVA payée	TVA remboursée	Subvention	Débit mensuel	Appel Fonds propres	Résidu Fonds Propres	Encours	Frais financiers intercalaires	Commission sur crédit non tiré	Crédit non tiré en fin de mois
	ia	im	xm	am	Am = I x xm x am	Tm	TRm	Sm	Dm = Am + Tm - TRm - Sm	Fm = min (Dm;RFPm)	RFPm = FP - somme(Fi précédents)	Em = Em-1 + Dm - Fm	FFIm = Em-1 x im	0,20%	
1			2,93%		6.619.433	1.297.409		0	7.916.842	9.077.972	15.485.072	0	1.123.707	37.423	224.741.391
2	EONIA	0,21%	0,36%	0,25%	818.654	160.456		0	979.110	1.016.533	14.468.540	0		37.423	224.741.391
3	EONIA	0,21%	1,16%	0,49%	2.634.260	516.315		0	3.150.575	3.187.997	11.280.543	0		37.423	224.741.391
4	EONIA	0,21%	0,15%	0,74%	347.595	68.129		0	415.724	453.146	10.827.396	0		37.423	224.741.391
5	EONIA	0,21%	0,66%	0,99%	1.511.521	296.258	1.297.409	0	510.370	547.793	10.279.603	0		37.423	224.741.391
6	EONIA	0,21%	0,90%	1,24%	2.054.398	402.662	160.456	0	2.296.604	2.334.027	7.945.576	0		37.423	224.741.391
7	EONIA	0,21%	2,51%	1,49%	5.762.433	1.129.437	516.315	0	6.375.555	6.412.977	1.532.599	0		37.423	224.741.391
8	EONIA	0,21%	1,57%	1,74%	3.611.333	707.821	68.129	0	4.251.026	1.532.599	0	2.755.391	0	36.964	221.986.000
9	EONIA	0,21%	5,05%	1,99%	11.645.487	2.282.515	296.258	0	13.631.744	0	0	16.427.498	5.676	34.687	208.313.893
10	EONIA	0,21%	3,98%	2,24%	9.203.831	1.803.951	402.662	0	10.605.120	0	0	27.099.366	33.838	32.910	197.642.024
11	EONIA	0,21%	3,68%	2,49%	8.543.563	1.674.538	1.129.437	0	9.088.665	0	0	36.275.234	55.820	31.382	188.466.157
12	EONIA	0,21%	3,73%	2,75%	8.659.287	1.697.220	707.821	0	9.648.686	0	0	46.028.399	74.721	29.758	178.712.992
13	EONIA	0,21%	3,73%	3,00%	8.680.643	1.701.406	2.282.515	0	8.099.534	0	0	54.251.132	94.811	28.389	170.490.258
14	EONIA	0,21%	3,60%	3,25%	8.416.691	1.649.671	1.803.951	0	8.262.411	0	0	62.652.282	111.748	26.990	162.089.109
15	EONIA	0,21%	3,61%	3,51%	8.452.345	1.656.660	1.674.538	0	8.434.466	0	0	71.241.362	129.053	25.560	153.500.029
16	EONIA	0,21%	3,57%	3,76%	8.377.600	1.642.010	1.697.220	0	8.322.390	0	0	79.734.643	146.746	24.146	145.006.748
17	EONIA	0,21%	3,64%	4,02%	8.570.566	1.679.831	1.701.406	0	8.548.991	0	0	88.470.564	164.240	22.691	136.270.826
18	EONIA	0,21%	4,45%	4,28%	10.502.537	2.058.497	1.649.671	0	10.911.363	0	0	99.585.002	182.235	20.840	125.156.388
19	EONIA	0,21%	2,97%	4,53%	7.033.361	1.378.539	1.656.660	0	6.755.240	0	0	106.565.050	205.129	19.678	118.176.341
20	EONIA	0,21%	2,87%	4,79%	6.800.514	1.332.901	1.642.010	0	6.491.406	0	0	113.294.519	219.507	18.557	111.446.871
21	EONIA	0,21%	2,85%	5,05%	6.779.561	1.328.794	1.679.831	0	6.428.524	0	0	119.973.857	233.368	17.445	104.767.534
22	EONIA	0,21%	5,55%	5,31%	13.222.173	2.591.546	2.058.497	0	13.755.222	0	0	133.991.316	247.127	15.111	90.750.075
23	EONIA	0,21%	2,82%	5,57%	6.739.096	1.320.863	1.378.539	0	6.681.420	0	0	140.962.687	276.000	13.950	83.778.704
24	EONIA	0,21%	2,91%	5,83%	6.970.728	1.366.263	1.332.901	0	7.004.090	0	0	148.269.870	290.360	12.734	76.471.521
25	EONIA	0,21%	3,28%	6,09%	7.876.760	1.543.845	1.328.794	0	8.091.810	0	0	156.678.426	305.412	11.333	68.062.965
26	EONIA	0,21%	3,10%	6,35%	7.462.335	1.462.618	2.591.546	0	6.333.406	0	0	163.344.788	322.732	10.223	61.396.603
27	EONIA	0,21%	2,64%	6,61%	6.360.085	1.246.577	1.320.863	0	6.285.799	0	0	169.976.169	336.464	9.119	54.765.221
28	EONIA	0,21%	2,38%	6,88%	5.763.550	1.129.656	1.366.263	0	5.526.943	0	0	175.861.375	350.123	8.139	48.880.016
29	EONIA	0,21%	2,06%	7,14%	5.001.592	980.312	1.543.845	0	4.438.059	0	0	180.669.019	362.246	7.339	44.072.372
30	EONIA	0,21%	1,93%	7,40%	4.688.844	919.013	1.462.618	0	4.145.240	0	0	185.192.993	372.149	6.585	39.548.398
31	EONIA	0,21%	3,47%	7,67%	8.455.472	1.657.273	1.246.577	0	8.866.168	0	0	194.445.673	381.467	5.045	30.295.718
32	EONIA	0,21%	4,26%	7,94%	10.414.765	2.041.294	1.129.656	0	11.326.403	0	0	206.175.693	400.526	3.091	18.565.697
33	EONIA	0,21%	0,63%	8,20%	1.530.500	299.978	980.312	0	850.166	0	0	207.453.426	424.688	2.879	17.287.965
34	EONIA	0,21%	2,71%	8,47%	6.653.429	1.304.072	919.013	0	7.038.487	0	0	214.920.869	427.320	1.635	9.820.522
35	EONIA	0,21%	0,62%	8,74%	1.526.145	299.125	1.657.273	0	167.997	0	0	215.533.101	442.702	1.533	9.208.290
36	EONIA	0,21%	3,66%	9,00%	9.034.800	1.770.821	2.041.294	0	8.764.327	0	0	224.741.391	443.963	0	0
37	EONIA	0,21%	0,00%	9,27%	0	0	299.978	0	-299.978	0	0	224.441.413			
38	EONIA	0,21%	0,00%	9,54%	0	0	1.304.072	0	-1.304.072	0	0	223.137.341			
39	EONIA	0,21%	0,00%	9,81%	0	0	299.125	0	-299.125	0	0	222.838.216			
40	EONIA	0,21%	0,00%	10,08%	0	0	1.770.821	0	-1.770.821	0	0	221.067.396			
41	EONIA	0,21%	0,00%	10,35%	0	0	0	0	0	0	0	221.067.396			
Totaux			100,0%		236.725.889	46.398.274	46.398.274	0	236.725.889	24.563.044	71.819.330	221.067.396	8.163.877	740.674	

ANNEXE N° 5.3.1.2.3

PREFINANCEMENT SCENARIO 3 (BASE + OPTION 3 + OPTION 1A)

		3	SCENARIO		
Montant de l'investissement contractuel initial	282.787.311	10,00%		Intérêts intercalaires	9.728.534
Investissement initial actualisé au fil de l'eau	295.930.843			Commission d'engagement	0
Montants complémentaires				Assiette Commission de montage	
Subvention	0			Taux de la commission de montage	0,50%
Fonds Propres	30.706.077			Montant de la commission de montage	1.401.391
Taux de TVA	19,60%	2,50%		Coût total du préfinancement	11.129.925
Référence taux de préfinancement	2,00%			MAF HORS ACTUALISATION	263.211.159
Marge de préfinancement	0,50%				
Marge crédit relais TVA					
Commission préloyers d'engagement	0,00%			MONTANT A FINANCER ACTUALISE	276.354.690

Date	Indice de référence	Taux mensuel applicable	Part construite	Taux d'actualisation	Décaissement HT	TVA payée	TVA remboursée	Subvention	Débit mensuel	Appel Fonds propres	Résidu Fonds Propres	Encours	Frais financiers intercalaires	Commission sur crédit non tiré	Crédit non tiré en fin de mois
	ia	im	xm	am	Am = I x xm x am	Tm	TRm	Sm	Dm = Am + Tm - TRm - Sm	Fm = min (Dm; RFPm)	RFPm = FP - somme(Fi précédents)	Em = Em-1 + Dm - Fm	FFIm = Em-1 x im	0,20%	
1			2,46%		6.958.738	1.363.913		0	8.322.650	9.770.712	20.935.365	0	1.401.391	46.670	280.278.178
2	EONIA	0,21%	0,40%	0,25%	1.132.092	221.890		0	1.353.982	1.400.652	19.534.713	0	0	46.670	280.278.178
3	EONIA	0,21%	0,96%	0,49%	2.719.676	533.057		0	3.252.733	3.299.403	16.235.310	0	0	46.670	280.278.178
4	EONIA	0,21%	0,15%	0,74%	432.384	84.747		0	517.132	563.802	15.671.508	0	0	46.670	280.278.178
5	EONIA	0,21%	0,56%	0,99%	1.597.197	313.051	1.363.913	0	546.335	593.005	15.078.503	0	0	46.670	280.278.178
6	EONIA	0,21%	0,83%	1,24%	2.374.841	465.469	221.890	0	2.618.420	2.665.090	12.413.413	0	0	46.670	280.278.178
7	EONIA	0,21%	2,13%	1,49%	6.109.612	1.197.484	533.057	0	6.774.039	6.820.709	5.592.704	0	0	46.670	280.278.178
8	EONIA	0,21%	1,38%	1,74%	3.959.369	776.036	84.747	0	4.650.658	4.697.328	895.376	0	0	46.670	280.278.178
9	EONIA	0,21%	4,64%	1,99%	13.392.545	2.624.939	313.051	0	15.704.433	895.376	0	14.853.254	0	44.197	265.424.924
10	EONIA	0,21%	3,74%	2,24%	10.807.950	2.118.358	465.469	0	12.460.840	0	0	27.386.799	30.595	42.110	252.891.379
11	EONIA	0,21%	3,49%	2,49%	10.124.670	1.984.435	1.197.484	0	10.911.621	0	0	38.395.110	56.412	40.277	241.883.069
12	EONIA	0,21%	3,55%	2,75%	10.303.164	2.019.420	776.036	0	11.546.547	0	0	50.059.080	79.088	38.335	230.219.099
13	EONIA	0,21%	3,64%	3,00%	10.600.159	2.077.631	2.624.939	0	10.052.852	0	0	60.251.682	103.114	36.638	220.026.496
14	EONIA	0,21%	3,49%	3,25%	10.191.622	1.997.558	2.118.358	0	10.070.821	0	0	70.481.546	124.109	34.934	209.796.632
15	EONIA	0,21%	3,53%	3,51%	10.318.155	2.022.358	1.984.435	0	10.356.078	0	0	81.015.985	145.180	33.180	199.262.194
16	EONIA	0,21%	3,69%	3,76%	10.816.364	2.120.007	2.019.420	0	10.916.952	0	0	92.131.145	166.880	31.329	188.147.033
17	EONIA	0,21%	4,06%	4,02%	11.950.304	2.342.260	2.077.631	0	12.214.932	0	0	104.565.111	189.775	29.259	175.713.067
18	EONIA	0,21%	4,70%	4,28%	13.865.597	2.717.657	1.997.558	0	14.585.696	0	0	119.392.983	215.387	26.790	160.885.195
19	EONIA	0,21%	3,55%	4,53%	10.506.354	2.059.245	2.022.358	0	10.543.240	0	0	130.207.143	245.930	24.989	150.071.036
20	EONIA	0,21%	3,64%	4,79%	10.788.208	2.114.489	2.120.007	0	10.782.689	0	0	141.281.182	268.205	23.145	138.996.997
21	EONIA	0,21%	3,66%	5,05%	10.881.018	2.132.679	2.342.260	0	10.671.438	0	0	152.264.952	291.016	21.316	128.013.227
22	EONIA	0,21%	5,86%	5,31%	17.461.477	3.422.449	2.717.657	0	18.166.269	0	0	170.763.098	313.641	18.236	109.515.081
23	EONIA	0,21%	3,64%	5,57%	10.853.843	2.127.353	2.059.245	0	10.921.951	0	0	182.053.149	351.744	16.356	98.225.030
24	EONIA	0,21%	3,66%	5,83%	10.957.050	2.147.582	2.114.489	0	10.990.143	0	0	193.432.753	375.000	14.461	86.845.426
25	EONIA	0,21%	3,67%	6,09%	10.997.514	2.155.513	2.132.679	0	11.020.348	0	0	204.864.098	398.440	12.558	75.414.081
26	EONIA	0,21%	3,06%	6,35%	9.203.989	1.803.982	3.422.449	0	7.585.522	0	0	212.882.828	421.986	11.222	67.395.350
27	EONIA	0,21%	2,53%	6,61%	7.622.311	1.493.973	2.127.353	0	6.988.931	0	0	220.320.246	438.504	9.984	59.957.932
28	EONIA	0,21%	2,30%	6,88%	6.936.672	1.359.588	2.147.582	0	6.148.678	0	0	226.931.631	453.824	8.883	53.346.548
29	EONIA	0,21%	2,03%	7,14%	6.143.405	1.204.107	2.155.513	0	5.192.000	0	0	232.599.012	467.442	7.939	47.679.167
30	EONIA	0,21%	1,92%	7,40%	5.839.036	1.144.451	1.803.982	0	5.179.505	0	0	238.264.629	479.116	6.996	42.013.550
31	EONIA	0,21%	3,06%	7,67%	9.324.138	1.827.531	1.493.973	0	9.657.696	0	0	248.418.416	490.786	5.305	31.859.763
32	EONIA	0,21%	3,52%	7,94%	10.743.595	2.105.745	1.359.588	0	11.489.752	0	0	260.423.175	511.701	3.306	19.855.004
33	EONIA	0,21%	0,60%	8,20%	1.846.466	361.907	1.204.107	0	1.004.265	0	0	261.966.918	536.429	3.049	18.311.260
34	EONIA	0,21%	2,28%	8,47%	6.997.811	1.371.571	1.144.451	0	7.224.931	0	0	269.733.214	539.609	1.756	10.544.965
35	EONIA	0,21%	0,60%	8,74%	1.831.613	358.996	1.827.531	0	363.078	0	0	270.653.500	555.606	1.603	9.624.678
36	EONIA	0,21%	3,03%	9,00%	9.341.907	1.831.014	2.105.745	0	9.067.176	0	0	280.278.178	557.502	0	0
37	EONIA	0,21%	0,00%	9,27%	0	0	361.907	0	-361.907	0	0	279.916.271	0	0	0
38	EONIA	0,21%	0,00%	9,54%	0	0	1.371.571	0	-1.371.571	0	0	278.544.700	0	0	0
39	EONIA	0,21%	0,00%	9,81%	0	0	358.996	0	-358.996	0	0	278.185.704	0	0	0
40	EONIA	0,21%	0,00%	10,08%	0	0	1.831.014	0	-1.831.014	0	0	276.354.690	0	0	0
41	EONIA	0,21%	0,00%	10,35%	0	0	0	0	0	0	0	276.354.690	0	0	0
Totaux			100,0%		295.930.843	58.002.445	58.002.445	0	295.930.843	30.706.077	106.356.891	276.354.690	10.208.412	921.513	

ANNEXE N° 5.3.1.2.4

PREFINANCEMENT SCENARIO 4 (BASE + OPTION 3 + OPTION 1B)

		4	SCENARIO		
Montant de l'investissement contractuel initial	277.802.420	10,00%		Intérêts intercalaires	9.591.143
Investissement initial actualisé au fil de l'eau	290.674.782			Commission d'engagement	0
Montants complémentaires				Assiette Commission de montage	
Subvention	0			Taux de la commission de montage	0,50%
Fonds Propres	30.164.287			Montant de la commission de montage	1.376.941
Taux de TVA	19,60%	2,50%		Coût total du préfinancement	10.968.084
Référence taux de préfinancement	2,00%				
Marge de préfinancement	0,50%			MAF HORS ACTUALISATION	258.606.218
Marge crédit relais TVA					
Commission préloyers d'engagement	0,00%			MONTANT A FINANCER ACTUALISE	271.478.580

Date	Indice de référence	Taux mensuel applicable	Part construite	Taux d'actualisation	Décaissement HT	TVA payée	TVA remboursée	Subvention	Débit mensuel	Appel Fonds propres	Résidu Fonds Propres	Encours	Frais financiers intercalaires	Commission sur crédit non tiré	Crédit non tiré en fin de mois
	ia	im	xm	am	Am = I x xm x am	Tm	TRm	Sm	Dm = Am + Tm - TRm - Sm	Fm = min (Dm; RFPm)	RFPm = FP - somme(Fi précédents)	Em = Em-1 + Dm - Fm	FFIm = Em-1 x im	0,20%	
1			2,54%		7.066.078	1.384.951		0	8.451.029	9.873.826	20.290.460	0	1.376.941	45.856	275.388.253
2	EONIA	0,21%	0,44%	0,25%	1.229.218	240.927		0	1.470.144	1.516.000	18.774.460	0	0	45.856	275.388.253
3	EONIA	0,21%	0,97%	0,49%	2.720.754	533.268		0	3.254.022	3.299.878	15.474.582	0	0	45.856	275.388.253
4	EONIA	0,21%	0,15%	0,74%	428.788	84.043		0	512.831	558.687	14.915.895	0	0	45.856	275.388.253
5	EONIA	0,21%	0,57%	0,99%	1.593.495	312.325	1.384.951	0	520.868	566.724	14.349.170	0	0	45.856	275.388.253
6	EONIA	0,21%	0,57%	1,24%	1.593.406	312.308	240.927	0	1.664.787	1.710.643	12.638.527	0	0	45.856	275.388.253
7	EONIA	0,21%	1,86%	1,49%	5.242.608	1.027.551	533.268	0	5.736.892	5.782.748	6.855.780	0	0	45.856	275.388.253
8	EONIA	0,21%	1,09%	1,74%	3.090.227	605.685	84.043	0	3.611.869	3.657.725	3.198.055	0	0	45.856	275.388.253
9	EONIA	0,21%	4,49%	1,99%	12.730.099	2.495.099	312.325	0	14.912.873	3.198.055	0	11.758.716	0	43.898	263.629.537
10	EONIA	0,21%	3,59%	2,24%	10.189.326	1.997.108	312.308	0	11.874.126	0	0	23.698.973	24.221	41.910	251.689.280
11	EONIA	0,21%	3,83%	2,49%	10.905.013	2.137.382	1.027.551	0	12.014.844	0	0	35.802.527	48.816	39.894	239.585.726
12	EONIA	0,21%	3,89%	2,75%	11.116.358	2.178.806	605.685	0	12.689.480	0	0	48.603.517	73.747	37.763	226.784.736
13	EONIA	0,21%	4,01%	3,00%	11.470.565	2.248.231	2.495.099	0	11.223.696	0	0	59.963.200	100.115	35.871	215.425.053
14	EONIA	0,21%	3,83%	3,25%	10.986.499	2.153.354	1.997.108	0	11.142.745	0	0	71.263.449	123.514	33.990	204.124.804
15	EONIA	0,21%	4,00%	3,51%	11.504.874	2.254.955	2.137.382	0	11.622.447	0	0	83.064.712	146.791	32.025	192.323.541
16	EONIA	0,21%	3,94%	3,76%	11.348.435	2.224.293	2.178.806	0	11.393.923	0	0	94.659.828	171.100	30.094	180.728.425
17	EONIA	0,21%	4,03%	4,02%	11.647.126	2.282.837	2.248.231	0	11.681.732	0	0	106.564.656	194.984	28.112	168.823.597
18	EONIA	0,21%	4,67%	4,28%	13.521.710	2.650.255	2.153.354	0	14.018.611	0	0	120.828.509	219.506	25.736	154.559.744
19	EONIA	0,21%	3,50%	4,53%	10.150.990	1.989.594	2.254.955	0	9.885.629	0	0	130.987.069	248.887	24.045	144.401.184
20	EONIA	0,21%	3,47%	4,79%	10.100.911	1.979.779	2.224.293	0	9.856.396	0	0	141.135.633	269.812	22.355	134.252.621
21	EONIA	0,21%	3,45%	5,05%	10.079.980	1.975.676	2.282.837	0	9.772.819	0	0	151.219.844	290.716	20.676	124.168.410
22	EONIA	0,21%	5,69%	5,31%	16.632.446	3.259.959	2.650.255	0	17.242.151	0	0	168.791.232	311.488	17.750	106.597.021
23	EONIA	0,21%	3,43%	5,57%	10.054.986	1.970.777	1.989.594	0	10.036.169	0	0	179.191.101	347.682	16.018	96.197.152
24	EONIA	0,21%	3,54%	5,83%	10.396.181	2.037.651	1.979.779	0	10.454.054	0	0	190.028.473	369.104	14.214	85.359.781
25	EONIA	0,21%	3,76%	6,09%	11.075.453	2.170.789	1.975.676	0	11.270.566	0	0	201.702.736	391.428	12.270	73.685.517
26	EONIA	0,21%	3,11%	6,35%	9.187.561	1.800.762	3.259.959	0	7.728.363	0	0	209.857.486	415.475	10.912	65.530.767
27	EONIA	0,21%	2,51%	6,61%	7.421.403	1.454.595	1.970.777	0	6.905.221	0	0	217.204.668	432.272	9.688	58.183.586
28	EONIA	0,21%	2,19%	6,88%	6.489.717	1.271.985	2.037.651	0	5.724.050	0	0	223.384.783	447.406	8.659	52.003.470
29	EONIA	0,21%	1,90%	7,14%	5.647.524	1.106.915	2.170.789	0	4.583.650	0	0	228.436.388	460.136	7.818	46.951.866
30	EONIA	0,21%	1,80%	7,40%	5.357.699	1.050.109	1.800.762	0	4.607.046	0	0	233.520.947	470.542	6.971	41.867.307
31	EONIA	0,21%	3,01%	7,67%	9.014.912	1.766.923	1.454.595	0	9.327.240	0	0	243.334.539	481.015	5.337	32.053.714
32	EONIA	0,21%	3,58%	7,94%	10.733.127	2.103.693	1.271.985	0	11.564.835	0	0	255.403.931	501.229	3.328	19.984.322
33	EONIA	0,21%	0,61%	8,20%	1.835.645	359.786	1.106.915	0	1.088.517	0	0	257.021.596	526.090	3.058	18.366.657
34	EONIA	0,21%	2,32%	8,47%	6.983.344	1.368.735	1.050.109	0	7.301.971	0	0	264.854.743	529.422	1.754	10.533.510
35	EONIA	0,21%	0,60%	8,74%	1.806.451	354.064	1.766.923	0	393.593	0	0	265.795.491	545.557	1.597	9.592.763
36	EONIA	0,21%	3,08%	9,00%	9.321.873	1.827.087	2.103.693	0	9.045.267	0	0	275.388.253	547.495	0	0
37	EONIA	0,21%	0,00%	9,27%	0	0	359.786	0	-359.786	0	0	275.028.467			
38	EONIA	0,21%	0,00%	9,54%	0	0	1.368.735	0	-1.368.735	0	0	273.659.731			
39	EONIA	0,21%	0,00%	9,81%	0	0	354.064	0	-354.064	0	0	273.305.667			
40	EONIA	0,21%	0,00%	10,08%	0	0	1.827.087	0	-1.827.087	0	0	271.478.580			
41	EONIA	0,21%	0,00%	10,35%	0	0	0	0	0	0	0	271.478.580			
Totaux			100,0%		290.674.782	56.972.257	56.972.257	0	290.674.782	30.164.287	106.496.929	271.478.580	10.065.493	902.591	

ANNEXE N° A.5.3.1.3

PREFINANCEMENT CENTRE DE TRI (OPTION 2)

		5	SCENARIO		
Montant de l'investissement contractuel initial	15.843.677	10,00%		Intérêts intercalaires	347.646
Investissement initial actualisé au fil de l'eau	16.908.350			Commission d'engagement	0
Montants complémentaires				Assiette Commission de montage	
Subvention	0			Taux de la commission de montage	0,50%
Fonds Propres	1.733.550			Montant de la commission de montage	79.505
Taux de TVA	19,60%	2,50%		Coût total du préfinancement	427.151
Référence taux de préfinancement	2,00%				
Marge de préfinancement	0,50%			MAF HORS ACTUALISATION	14.537.278
Marge crédit relais TVA					
Commission préloyers d'engagement	0,00%			MONTANT A FINANCER ACTUALISE	15.601.951

Date	Indice de référence	Taux mensuel applicable	Part construite	Taux d'actualisation	Décaissement HT	TVA payée	TVA remboursée	Subvention	Débit mensuel	Appel Fonds propres	Résidu Fonds Propres	Encours	Frais financiers intercalaires	Commission sur crédit non tiré	Crédit non tiré en fin de mois
	ia	im	xm	am	Am = I x xm x am	Tm	TRm	Sm	Dm = Am + Tm - TRm - Sm	Fm = min (Dm;RFPm)	RFPm = FP - somme(Fi précédents)	Em = Em-1 + Dm - Fm	FFIm = Em-1 x im	0,20%	
1			0,00%		0	0		0	0	82.152	1.651.398	0	79.505	2.648	15.900.910
2	EONIA	0,21%	0,00%	0,25%	0	0		0	0	2.648	1.648.750	0	0	2.648	15.900.910
3	EONIA	0,21%	0,00%	0,49%	0	0		0	0	2.648	1.646.102	0	0	2.648	15.900.910
4	EONIA	0,21%	0,00%	0,74%	0	0		0	0	2.648	1.643.455	0	0	2.648	15.900.910
5	EONIA	0,21%	0,00%	0,99%	0	0	0	0	0	2.648	1.640.807	0	0	2.648	15.900.910
6	EONIA	0,21%	0,00%	1,24%	0	0	0	0	0	2.648	1.638.159	0	0	2.648	15.900.910
7	EONIA	0,21%	0,00%	1,49%	0	0	0	0	0	2.648	1.635.511	0	0	2.648	15.900.910
8	EONIA	0,21%	0,00%	1,74%	0	0	0	0	0	2.648	1.632.864	0	0	2.648	15.900.910
9	EONIA	0,21%	0,00%	1,99%	0	0	0	0	0	2.648	1.630.216	0	0	2.648	15.900.910
10	EONIA	0,21%	0,00%	2,24%	0	0	0	0	0	2.648	1.627.568	0	0	2.648	15.900.910
11	EONIA	0,21%	0,00%	2,49%	0	0	0	0	0	2.648	1.624.921	0	0	2.648	15.900.910
12	EONIA	0,21%	0,00%	2,75%	0	0	0	0	0	2.648	1.622.273	0	0	2.648	15.900.910
13	EONIA	0,21%	0,00%	3,00%	0	0	0	0	0	2.648	1.619.625	0	0	2.648	15.900.910
14	EONIA	0,21%	0,00%	3,25%	0	0	0	0	0	2.648	1.616.977	0	0	2.648	15.900.910
15	EONIA	0,21%	0,00%	3,51%	0	0	0	0	0	2.648	1.614.330	0	0	2.648	15.900.910
16	EONIA	0,21%	0,00%	3,76%	0	0	0	0	0	2.648	1.611.682	0	0	2.648	15.900.910
17	EONIA	0,21%	0,74%	4,02%	121.904	23.893	0	0	145.798	148.446	1.463.236	0	0	2.648	15.900.910
18	EONIA	0,21%	0,74%	4,28%	122.205	23.952	0	0	146.157	148.805	1.314.431	0	0	2.648	15.900.910
19	EONIA	0,21%	0,74%	4,53%	122.507	24.011	0	0	146.518	149.166	1.165.266	0	0	2.648	15.900.910
20	EONIA	0,21%	0,74%	4,79%	122.809	24.070	0	0	146.879	149.527	1.015.739	0	0	2.648	15.900.910
21	EONIA	0,21%	1,23%	5,05%	205.186	40.216	23.893	0	221.509	224.157	791.582	0	0	2.648	15.900.910
22	EONIA	0,21%	2,40%	5,31%	400.778	78.552	23.952	0	455.378	458.026	333.556	0	0	2.648	15.900.910
23	EONIA	0,21%	7,08%	5,57%	1.184.033	232.071	24.011	0	1.392.093	333.556	0	1.061.007	0	2.471	14.839.903
24	EONIA	0,21%	7,27%	5,83%	1.219.628	239.047	24.070	0	1.434.605	0	0	2.500.029	2.186	2.231	13.400.881
25	EONIA	0,21%	10,42%	6,09%	1.751.399	343.274	40.216	0	2.054.457	0	0	4.561.524	5.150	1.888	11.339.386
26	EONIA	0,21%	9,95%	6,35%	1.676.842	328.661	78.552	0	1.926.950	0	0	6.499.436	9.396	1.565	9.401.475
27	EONIA	0,21%	10,89%	6,61%	1.838.771	360.399	232.071	0	1.967.099	0	0	8.481.158	13.388	1.235	7.419.752
28	EONIA	0,21%	11,07%	6,88%	1.874.080	367.320	239.047	0	2.002.352	0	0	10.501.879	17.470	899	5.399.031
29	EONIA	0,21%	11,38%	7,14%	1.931.559	378.586	343.274	0	1.966.871	0	0	12.490.950	21.632	568	3.409.961
30	EONIA	0,21%	5,81%	7,40%	987.978	193.644	328.661	0	852.961	0	0	13.370.062	25.729	421	2.530.849
31	EONIA	0,21%	5,34%	7,67%	910.561	178.470	360.399	0	728.632	0	0	14.126.529	27.540	295	1.774.381
32	EONIA	0,21%	5,34%	7,94%	912.807	178.910	367.320	0	724.397	0	0	14.880.195	29.098	170	1.020.716
33	EONIA	0,21%	3,26%	8,20%	558.644	109.494	378.586	0	289.552	0	0	15.200.514	30.651	117	700.396
34	EONIA	0,21%	1,59%	8,47%	273.406	53.588	193.644	0	133.350	0	0	15.365.264	31.311	89	535.646
35	EONIA	0,21%	2,01%	8,74%	346.200	67.855	178.470	0	235.585	0	0	15.632.544	31.650	45	268.366
36	EONIA	0,21%	2,01%	9,00%	347.054	68.022	178.910	0	236.166	0	0	15.900.910	32.200	0	0
37	EONIA	0,21%	0,00%	9,27%	0	0	109.494	0	-109.494	0	0	15.791.416			
38	EONIA	0,21%	0,00%	9,54%	0	0	53.588	0	-53.588	0	0	15.737.828			
39	EONIA	0,21%	0,00%	9,81%	0	0	67.855	0	-67.855	0	0	15.669.973			
40	EONIA	0,21%	0,00%	10,08%	0	0	68.022	0	-68.022	0	0	15.601.951			
41	EONIA	0,21%	0,00%	10,35%	0	0	0	0	0	0	0	15.601.951			
Totaux			100,0%		16.908.350	3.314.037	3.314.037	0	16.908.350	1.733.550	32.188.449	15.601.951	356.905	70.246	

ANNEXE N° 5.3.1.5

PREFINANCEMENT TRANCHE CONDITIONNELLE (SCENARIO 7)

		7	SCENARIO		
Montant de l'investissement contractuel initial	89.870.893	10,00%		Intérêts intercalaires	2.637.613
Investissement initial actualisé au fil de l'eau	94.699.016			Commission d'engagement	0
Montants complémentaires				Assiette Commission de montage	
Subvention	0			Taux de la commission de montage	0,50%
Fonds Propres	9.778.993			Montant de la commission de montage	453.299
Taux de TVA	19,60%	2,50%		Coût total du préfinancement	3.090.912
Référence taux de préfinancement	2,00%			MAF HORS ACTUALISATION	83.182.812
Marge de préfinancement	0,50%				
Marge crédit relais TVA					
Commission préloyers d'engagement	0,00%			MONTANT A FINANCER ACTUALISE	88.010.935

Date	Indice de référence	Taux mensuel applicable	Part construite	Taux d'actualisation	Décaissement HT	TVA payée	TVA remboursée	Subvention	Débit mensuel	Appel Fonds propres	Résidu Fonds Propres	Encours	Frais financiers intercalaires	Commission sur crédit non tiré	Crédit non tiré en fin de mois
	ia	im	xm	am	Am = I x xm x am	Tm	TRm	Sm	Dm = Am + Tm - TRm - Sm	Fm = min (Dm; RFPm)	RFPm = FP - somme(Fi précédents)	Em = Em-1 + Dm - Fm	FFIm = Em-1 x im	0,20%	
1			0,00%		0	0		0	0	468.395	9.310.598	0	453.299	15.096	90.659.736
2	EONIA	0,21%	0,00%	0,25%	0	0		0	0	15.096	9.295.502	0		15.096	90.659.736
3	EONIA	0,21%	0,00%	0,49%	0	0		0	0	15.096	9.280.406	0		15.096	90.659.736
4	EONIA	0,21%	0,00%	0,74%	0	0		0	0	15.096	9.265.310	0		15.096	90.659.736
5	EONIA	0,21%	3,68%	0,99%	3.342.922	655.213	0	0	3.998.135	4.013.231	5.252.079	0		15.096	90.659.736
6	EONIA	0,21%	1,47%	1,24%	1.340.467	262.731	0	0	1.603.198	1.618.294	3.633.785	0		15.096	90.659.736
7	EONIA	0,21%	0,74%	1,49%	671.886	131.690	0	0	803.576	818.672	2.815.113	0		15.096	90.659.736
8	EONIA	0,21%	0,74%	1,74%	673.543	132.014	0	0	805.558	820.654	1.994.459	0		15.096	90.659.736
9	EONIA	0,21%	1,47%	1,99%	1.350.409	264.680	655.213	0	959.876	974.972	1.019.486	0		15.096	90.659.736
10	EONIA	0,21%	0,46%	2,24%	426.096	83.515	262.731	0	246.880	261.976	757.511	0		15.096	90.659.736
11	EONIA	0,21%	4,15%	2,49%	3.819.842	748.689	131.690	0	4.436.842	757.511	0	3.693.812	0	14.481	86.965.924
12	EONIA	0,21%	2,67%	2,75%	2.468.838	483.892	132.014	0	2.820.716	0	0	6.536.144	7.609	14.008	84.123.592
13	EONIA	0,21%	2,67%	3,00%	2.474.927	485.086	264.680	0	2.695.332	0	0	9.258.494	13.463	13.554	81.401.242
14	EONIA	0,21%	2,67%	3,25%	2.481.031	486.282	83.515	0	2.883.798	0	0	12.174.432	19.071	13.069	78.485.305
15	EONIA	0,21%	2,83%	3,51%	2.630.942	515.665	748.689	0	2.397.917	0	0	14.610.089	25.077	12.663	76.049.647
16	EONIA	0,21%	2,83%	3,76%	2.637.430	516.936	483.892	0	2.670.474	0	0	17.322.870	30.094	12.212	73.336.866
17	EONIA	0,21%	3,41%	4,02%	3.183.892	624.043	485.086	0	3.322.849	0	0	20.693.052	35.682	11.650	69.966.685
18	EONIA	0,21%	3,68%	4,28%	3.451.071	676.410	486.282	0	3.641.199	0	0	24.387.910	42.624	11.035	66.271.826
19	EONIA	0,21%	3,73%	4,53%	3.506.907	687.354	515.665	0	3.678.597	0	0	28.127.154	50.235	10.413	62.532.582
20	EONIA	0,21%	5,23%	4,79%	4.923.852	965.075	516.936	0	5.371.991	0	0	33.566.589	57.937	9.507	57.093.147
21	EONIA	0,21%	3,75%	5,05%	3.539.211	693.685	624.043	0	3.608.853	0	0	37.253.477	69.142	8.893	53.406.260
22	EONIA	0,21%	3,80%	5,31%	3.595.615	704.741	676.410	0	3.623.946	0	0	40.962.434	76.736	8.275	49.697.302
23	EONIA	0,21%	5,27%	5,57%	4.996.381	979.291	687.354	0	5.288.318	0	0	46.342.507	84.376	7.379	44.317.229
24	EONIA	0,21%	3,84%	5,83%	3.655.377	716.454	965.075	0	3.406.756	0	0	49.851.517	95.458	6.795	40.808.220
25	EONIA	0,21%	3,87%	6,09%	3.685.446	722.347	693.685	0	3.714.109	0	0	53.674.470	102.686	6.159	36.985.266
26	EONIA	0,21%	3,80%	6,35%	3.634.514	712.365	704.741	0	3.642.139	0	0	57.432.702	110.561	5.533	33.227.034
27	EONIA	0,21%	3,63%	6,61%	3.474.872	681.075	979.291	0	3.176.657	0	0	60.732.644	118.302	4.983	29.927.092
28	EONIA	0,21%	2,98%	6,88%	2.865.024	561.545	716.454	0	2.710.115	0	0	63.572.369	125.099	4.510	27.087.368
29	EONIA	0,21%	2,83%	7,14%	2.723.253	533.758	722.347	0	2.534.663	0	0	66.242.046	130.949	4.066	24.417.690
30	EONIA	0,21%	2,69%	7,40%	2.594.480	508.518	712.365	0	2.390.633	0	0	68.772.771	136.448	3.644	21.886.965
31	EONIA	0,21%	2,89%	7,67%	2.800.233	548.846	681.075	0	2.668.004	0	0	71.585.612	141.661	3.176	19.074.124
32	EONIA	0,21%	4,37%	7,94%	4.236.264	830.308	561.545	0	4.505.027	0	0	76.240.495	147.455	2.401	14.419.242
33	EONIA	0,21%	4,36%	8,20%	4.239.803	831.001	533.758	0	4.537.047	0	0	80.936.204	157.043	1.619	9.723.532
34	EONIA	0,21%	3,63%	8,47%	3.539.094	693.662	508.518	0	3.724.239	0	0	84.828.129	166.715	971	5.831.607
35	EONIA	0,21%	0,68%	8,74%	663.630	130.072	548.846	0	244.856	0	0	85.248.618	174.732	901	5.411.118
36	EONIA	0,21%	5,18%	9,00%	5.071.762	994.065	830.308	0	5.235.520	0	0	90.659.736	175.598	0	0
37	EONIA	0,21%	0,00%	9,27%	0	0	831.001	0	-831.001	0	0	89.828.735			
38	EONIA	0,21%	0,00%	9,54%	0	0	693.662	0	-693.662	0	0	89.135.072			
39	EONIA	0,21%	0,00%	9,81%	0	0	130.072	0	-130.072	0	0	89.005.001			
40	EONIA	0,21%	0,00%	10,08%	0	0	994.065	0	-994.065	0	0	88.010.935			
41	EONIA	0,21%	0,00%	10,35%	0	0	0	0	0	0	0	88.010.935			
Totaux			100,0%		94.699.016	18.561.007	18.561.007	0	94.699.016	9.778.993	52.624.248	88.010.935	2.748.052	342.860	

ANNEXE N° A.5.3.1.4

PREFINANCEMENT COMPOSTAGE DECHETS VERTS (OPTION 4)

		6	SCENARIO		
Montant de l'investissement contractuel initial	32.334.570	10,00%		Intérêts intercalaires	870.367
Investissement initial actualisé au fil de l'eau	34.285.100			Commission d'engagement	0
Montants complémentaires				Assiette Commission de montage	
Subvention	0			Taux de la commission de montage	0,50%
Fonds Propres	3.531.584			Montant de la commission de montage	160.374
Taux de TVA	19,60%	2,50%		Coût total du préfinancement	1.030.741
Référence taux de préfinancement	2,00%				
Marge de préfinancement	0,50%			MAF HORS ACTUALISATION	29.833.727
Marge crédit relais TVA					
Commission préloyers d'engagement	0,00%			MONTANT A FINANCER ACTUALISE	31.784.257

Date	Indice de référence	Taux mensuel applicable	Part construite	Taux d'actualisation	Décaissement HT	TVA payée	TVA remboursée	Subvention	Débit mensuel	Appel Fonds propres	Résidu Fonds Propres	Encours	Frais financiers intercalaires	Commission sur crédit non tiré	Crédit non tiré en fin de mois
	ia	im	xm	am	Am = I x xm x am	Tm	TRm	Sm	Dm = Am + Tm - TRm - Sm	Fm = min (Dm;RFPm)	RFPm = FP - somme(Fi précédents)	Em = Em-1 + Dm - Fm	FFIm = Em-1 x im	0,20%	
1			0,00%		0	0		0	0	165.715	3.365.869	0	160.374	5.341	32.074.740
2	EONIA	0,21%	0,00%	0,25%	0	0		0	0	5.341	3.360.529	0	0	5.341	32.074.740
3	EONIA	0,21%	0,00%	0,49%	0	0		0	0	5.341	3.355.188	0	0	5.341	32.074.740
4	EONIA	0,21%	0,00%	0,74%	0	0		0	0	5.341	3.349.847	0	0	5.341	32.074.740
5	EONIA	0,21%	0,00%	0,99%	0	0	0	0	0	5.341	3.344.506	0	0	5.341	32.074.740
6	EONIA	0,21%	0,00%	1,24%	0	0	0	0	0	5.341	3.339.165	0	0	5.341	32.074.740
7	EONIA	0,21%	0,00%	1,49%	0	0	0	0	0	5.341	3.333.824	0	0	5.341	32.074.740
8	EONIA	0,21%	0,00%	1,74%	0	0	0	0	0	5.341	3.328.483	0	0	5.341	32.074.740
9	EONIA	0,21%	0,00%	1,99%	0	0	0	0	0	5.341	3.323.142	0	0	5.341	32.074.740
10	EONIA	0,21%	0,00%	2,24%	0	0	0	0	0	5.341	3.317.801	0	0	5.341	32.074.740
11	EONIA	0,21%	0,00%	2,49%	0	0	0	0	0	5.341	3.312.461	0	0	5.341	32.074.740
12	EONIA	0,21%	0,00%	2,75%	0	0	0	0	0	5.341	3.307.120	0	0	5.341	32.074.740
13	EONIA	0,21%	0,00%	3,00%	0	0	0	0	0	5.341	3.301.779	0	0	5.341	32.074.740
14	EONIA	0,21%	0,00%	3,25%	0	0	0	0	0	5.341	3.296.438	0	0	5.341	32.074.740
15	EONIA	0,21%	0,00%	3,51%	0	0	0	0	0	5.341	3.291.097	0	0	5.341	32.074.740
16	EONIA	0,21%	0,00%	3,76%	0	0	0	0	0	5.341	3.285.756	0	0	5.341	32.074.740
17	EONIA	0,21%	0,63%	4,02%	212.916	41.732	0	0	254.648	259.989	3.025.768	0	0	5.341	32.074.740
18	EONIA	0,21%	0,63%	4,28%	213.441	41.834	0	0	255.276	260.617	2.765.151	0	0	5.341	32.074.740
19	EONIA	0,21%	0,63%	4,53%	213.968	41.938	0	0	255.905	261.246	2.503.905	0	0	5.341	32.074.740
20	EONIA	0,21%	7,43%	4,79%	2.517.545	493.439	0	0	3.010.984	2.503.905	0	512.335	0	5.256	31.562.405
21	EONIA	0,21%	9,92%	5,05%	3.369.761	660.473	41.732	0	3.988.502	0	0	4.506.483	1.055	4.591	27.568.257
22	EONIA	0,21%	10,22%	5,31%	3.478.698	681.825	41.834	0	4.118.689	0	0	8.638.357	9.283	3.902	23.436.383
23	EONIA	0,21%	9,92%	5,57%	3.386.403	663.735	41.938	0	4.008.200	0	0	12.667.582	17.794	3.232	19.407.158
24	EONIA	0,21%	10,22%	5,83%	3.495.878	685.192	493.439	0	3.687.632	0	0	16.383.919	26.093	2.613	15.690.821
25	EONIA	0,21%	10,64%	6,09%	3.649.269	715.257	660.473	0	3.704.053	0	0	20.123.710	33.748	1.990	11.951.030
26	EONIA	0,21%	10,38%	6,35%	3.569.653	699.652	681.825	0	3.587.481	0	0	23.754.028	41.452	1.386	8.320.712
27	EONIA	0,21%	12,80%	6,61%	4.414.006	865.145	663.735	0	4.615.416	0	0	28.418.982	48.929	609	3.655.758
28	EONIA	0,21%	5,05%	6,88%	1.745.485	342.115	685.192	0	1.402.408	0	0	29.880.294	58.538	365	2.194.446
29	EONIA	0,21%	3,64%	7,14%	1.262.110	247.374	715.257	0	794.227	0	0	30.736.292	61.549	223	1.338.448
30	EONIA	0,21%	1,40%	7,40%	485.546	95.167	699.652	0	-118.939	0	0	30.680.897	63.312	232	1.393.843
31	EONIA	0,21%	1,13%	7,67%	393.695	77.164	865.145	0	-394.286	0	0	30.350.096	63.198	287	1.724.644
32	EONIA	0,21%	1,13%	7,94%	394.666	77.355	342.115	0	129.906	0	0	30.542.773	62.516	255	1.531.967
33	EONIA	0,21%	1,13%	8,20%	394.784	77.378	247.374	0	224.788	0	0	30.830.682	62.913	207	1.244.059
34	EONIA	0,21%	1,13%	8,47%	396.615	77.737	95.167	0	379.185	0	0	31.273.506	63.506	133	801.234
35	EONIA	0,21%	0,98%	8,74%	343.742	67.373	77.164	0	333.952	0	0	31.671.943	64.418	67	402.797
36	EONIA	0,21%	0,98%	9,00%	346.917	67.996	77.355	0	337.558	0	0	32.074.740	65.239	0	0
37	EONIA	0,21%	0,00%	9,27%	0	0	77.378	0	-77.378	0	0	31.997.363			
38	EONIA	0,21%	0,00%	9,54%	0	0	77.737	0	-77.737	0	0	31.919.626			
39	EONIA	0,21%	0,00%	9,81%	0	0	67.373	0	-67.373	0	0	31.852.252			
40	EONIA	0,21%	0,00%	10,08%	0	0	67.996	0	-67.996	0	0	31.784.257			
41	EONIA	0,21%	0,00%	10,35%	0	0	0	0	0	0	0	31.784.257			
Totaux			100,0%		34.285.100	6.719.880	6.719.880	0	34.285.100	3.531.584	61.507.828	31.784.257	903.917	126.824	

A5 - ANNEXES FINANCIERES

A5.3 - Programme de financement des investissements par scénario

A5.3.2 - Financement scénario 1 à 4 Base 23 ans et option 2, option 4 et tranche conditionnelle

ANNEXE 5.3.2.1

NOTE METHODOLOGIQUE

a) Montant à financer

Le montant à financer contractuel pour la solution étudiée est déterminé de façon définitive 6 mois après la fin du dernier mois de décaissement, soit normalement à la fin de la MSI.

Le montant à financer correspondant au centre de tri et au centre de traitement des déchets verts est déterminé simultanément à celui de la solution retenue. Le délégataire supporte les conséquences financières d'un retard de la mise en service du centre de tri ou au contraire d'une avance de calendrier. Les intérêts intercalaires liés au centre de tri ne sont plus dû à partir de la fin de la MSI de cet équipement, soit au plus tard 6 mois après la fin de l'échéancier de

Il est égal à somme des termes suivants:

- Montant hors taxes des travaux actualisés au fil de l'eau.
- Montant des frais financiers intercalaires
- Montants des commissions bancaires diverses
- Sous déduction des fonds propres
- Sous déduction des subventions certaines

b) Conditions d'emprunt

Nom de l'organisme financier chef de file

SOCIETE GENERALE

Type de financement

CREDIT BAIL

c) Calcul des échéances d'emprunt

Durée du financement (N) 20 et 17 ans

Périodicité des remboursements (p) annuelle

Progressivité des échéances par période (vp) constantes

Terme (échu ou à échoir) fin de la DSP

Indice de référence (indiquer la composition) EONIA

Marge 0,50%

Taux actuariel

Valeur résiduelle financière en fin de contrat 0€

MARSEILLE PROVENCE METROPOLE

ANNEXE N° 5.3.2.2.1 : MONTANT A FINANCER SCENARIO 1

En euros	MONTANT INITIAL	MONTANT ACTUALISE
Investissement (base)	223.676.872 €	233.999.376 €
Total Investissement	223.676.872 €	233.999.376 €
Frais financiers intercalaires	7.722.052 €	7.722.051,51 €
Commissions bancaires	1.111.034 €	1.111.034,16 €
Fonds propres déduits	-24.283.246 €	-24.283.246,20 €
Subventions déduites	0 €	0,00 €
Total frais et recettes complémentaires	-15.450.161 €	-15.450.161 €
TOTAL SCENARIO 1	208.226.712 €	218.549.216 €

MARSEILLE PROVENCE METROPOLE

ANNEXE N° 5.3.2.2.2 : MONTANT A FINANCER SCENARIO 2

En euros	MONTANT INITIAL	MONTANT ACTUALISE
Investissement (base + option 3)	226.243.317 €	236.725.889 €
Total Investissement	226.243.317 €	236.725.889 €
Frais financiers intercalaires	7.780.844 €	7.780.844,05 €
Commissions bancaires	1.123.707 €	1.123.706,95 €
Fonds propres déduits	-24.563.044 €	-24.563.043,96 €
Subventions déduites	0 €	0,00 €
Total frais et recettes complémentaires	-15.658.493 €	-15.658.493 €
TOTAL SCENARIO 2	210.584.824 €	221.067.396 €

MARSEILLE PROVENCE METROPOLE

ANNEXE N° 5.3.2.2.2 : MONTANT A FINANCER SCENARIO 3

En euros	MONTANT INITIAL	MONTANT ACTUALISE
Investissement (base + option 3 + option 1a)	282.787.311 €	295.930.843 €
Total Investissement	282.787.311 €	295.930.843 €
Frais financiers intercalaires	9.728.534 €	9.728.533,64 €
Commissions bancaires	1.401.391 €	1.401.390,89 €
Fonds propres déduits	-30.706.077 €	-30.706.076,71 €
Subventions déduites	0 €	0,00 €
Total frais et recettes complémentaires	-19.576.152 €	-19.576.152 €
TOTAL SCENARIO 3	263.211.159 €	276.354.690 €

MARSEILLE PROVENCE METROPOLE

ANNEXE N° 5.3.2.2.2 : MONTANT A FINANCER SCENARIO 4

En euros	MONTANT INITIAL	MONTANT ACTUALISE
Investissement (base + option 3 + option 1b)	277.802.420 €	290.674.782 €
Total Investissement	277.802.420 €	290.674.782 €
Frais financiers intercalaires	9.591.143 €	9.591.142,87 €
Commissions bancaires	1.376.941 €	1.376.941,27 €
Fonds propres déduits	-30.164.287 €	-30.164.286,66 €
Subventions déduites	0 €	0,00 €
Total frais et recettes complémentaires	-19.196.203 €	-19.196.203 €
TOTAL SCENARIO 4	258.606.218 €	271.478.580 €

MARSEILLE PROVENCE METROPOLE

ANNEXE N° 5.3.2.3 : MONTANT A FINANCER CENTRE DE TRI

En euros	MONTANT INITIAL	MONTANT ACTUALISE
Investissement Centre de Tri (Option 2)	15.843.677 €	16.908.350 €
Total Investissement	15.843.677 €	16.908.350 €
Frais financiers intercalaires	347.646 €	347.646,16 €
Commissions bancaires	79.505 €	79.504,55 €
Fonds propres déduits	-1.733.550 €	-1.733.550,09 €
Subventions déduites	0 €	0,00 €
Total frais et recettes complémentaires	-1.306.399 €	-1.306.399 €
TOTAL CENTRE DE TRI	14.537.278 €	15.601.951 €

ANNEXE N° 5.3.2.4 : MONTANT A FINANCER DECHETS VERTS

En euros	MONTANT INITIAL	MONTANT ACTUALISE
Investissement Compostage des Déchets Verts (option 4)	32.334.570 €	34.285.100 €
Total Investissement	32.334.570 €	34.285.100 €
Frais financiers intercalaires	870.367 €	870.367,43 €
Commissions bancaires	160.374 €	160.373,70 €
Fonds propres déduits	-3.531.584 €	-3.531.584,08 €
Subventions déduites	0 €	0,00 €
Total frais et recettes complémentaires	-2.500.843 €	-2.500.843 €
TOTAL DECHETS VERTS	29.833.727 €	31.784.257 €

MARSEILLE PROVENCE METROPOLE

ANNEXE N° 5.3.2.5 : MONTANT A FINANCER TRANCHE

En euros	MONTANT INITIAL	MONTANT ACTUALISE
UTVE supplémentaire	89.870.893 €	94.699.016 €
Total Investissement	89.870.893 €	94.699.016 €
Frais financiers intercalaires	2.637.613 €	2.637.613,33 €
Commissions bancaires	453.299 €	453.298,68 €
Fonds propres déduits	-9.778.993 €	-9.778.992,83 €
Subventions déduites	0 €	0,00 €
Total frais et recettes complémentaires	-6.688.081 €	-6.688.081 €
TOTAL TRANCHE CONDITIONNELLE	83.182.812 €	88.010.935 €

ANNEXE N° 5.3.2.6.1 : MONTANT A FINANCER TOTAL SCENARIO

En euros	MONTANT INITIAL	MONTANT ACTUALISE
Scénario 1 (base)	223.676.872 €	233.999.376 €
Centre de Tri (option 2)	15.843.677 €	16.908.350 €
Centre de Traitement des Déchets Verts (option 4)	32.334.570 €	34.285.100 €
Tranche conditionnelle	89.870.893 €	94.699.016 €
Total Investissement	361.726.012 €	379.891.842 €
Frais financiers intercalaires	11.577.678 €	11.577.678 €
Commissions bancaires	1.804.211 €	1.804.211 €
Fonds propres déduits	-39.327.373 €	-39.327.373 €
Subventions déduites	0 €	0 €
Total frais et recettes complémentaires	-25.945.484 €	-25.945.484 €
TOTAL GENERAL	335.780.528 €	353.946.359 €

ANNEXE N° 5.3.2.6.2 : MONTANT A FINANCER TOTAL SCENARIO

En euros	MONTANT INITIAL	MONTANT ACTUALISE
Scénario 2 (base + option 3)	226.243.317 €	236.725.889 €
Centre de Tri (option 2)	15.843.677 €	16.908.350 €
Centre de Traitement des Déchets Verts (option 4)	32.334.570 €	34.285.100 €
Tranche conditionnelle	89.870.893 €	94.699.016 €
Total Investissement	364.292.457 €	382.618.355 €
Frais financiers intercalaires	11.636.471 €	11.636.471 €
Commissions bancaires	1.816.884 €	1.816.884 €
Fonds propres déduits	-39.607.171 €	-39.607.171 €
Subventions déduites	0 €	0 €
Total frais et recettes complémentaires	-26.153.816 €	-26.153.816 €
TOTAL GENERAL	338.138.641 €	356.464.539 €

ANNEXE N° 5.3.2.6.3 : MONTANT A FINANCER TOTAL SCENARIO

En euros	MONTANT INITIAL	MONTANT ACTUALISE
Scénario 3 (base + option 3 + option 1a)	282.787.311 €	295.930.843 €
Centre de Tri (option 2)	15.843.677 €	16.908.350 €
Centre de Traitement des Déchets Verts (option 4)	32.334.570 €	34.285.100 €
Tranche conditionnelle	89.870.893 €	94.699.016 €
Total Investissement	420.836.451 €	441.823.309 €
Frais financiers intercalaires	13.584.161 €	13.584.161 €
Commissions bancaires	2.094.568 €	2.094.568 €
Fonds propres déduits	-45.750.204 €	-45.750.204 €
Subventions déduites	0 €	0 €
Total frais et recettes complémentaires	-30.071.475 €	-30.071.475 €
TOTAL GENERAL	390.764.975 €	411.751.833 €

ANNEXE N° 5.3.2.6.4 : MONTANT A FINANCER TOTAL SCENARIO

En euros	MONTANT INITIAL	MONTANT ACTUALISE
Scénario 4 (base + option 3 + option 1b)	277.802.420 €	290.674.782 €
Centre de Tri (option 2)	15.843.677 €	16.908.350 €
Centre de Traitement des Déchets Verts (option 4)	32.334.570 €	34.285.100 €
Tranche conditionnelle	89.870.893 €	94.699.016 €
Total Investissement	415.851.560 €	436.567.249 €
Frais financiers intercalaires	13.446.770 €	13.446.770 €
Commissions bancaires	2.070.118 €	2.070.118 €
Fonds propres déduits	-45.208.414 €	-45.208.414 €
Subventions déduites	0 €	0 €
Total frais et recettes complémentaires	-29.691.526 €	-29.691.526 €
TOTAL GENERAL	386.160.034 €	406.875.723 €

ANNEXE 5.3.2.7.1

MODE DE CALCUL DES REDEVANCES FINANCIERES

Formule de calcul de la première échéance périodique de l'emprunt :

(A indiquer par le candidat)

$$E1 = t \cdot \text{MAF} / ((1+t)^n - 1) + t \cdot \text{MAF}$$

Formule de calcul des échéances suivantes :

(A indiquer par le candidat)

$$E_t = E1$$

Formule de calcul du taux périodique par rapport au taux de l'offre :

(A indiquer par le candidat)

$$t = \text{Swap 20 ans Euribor 1 mois} + 0,50\%$$

Formule de calcul des redevances financières hors tranche conditionnelle

$$\text{RF} = t \cdot \text{MAF} / ((1+t)^n - 1) + t \cdot \text{MAF}$$

$$\text{RFT} = t \cdot \text{MAFT} / ((1+t)^n - 1) + t \cdot \text{MAFT}$$

$$\text{RFDV} = t \cdot \text{MAFDV} / ((1+t)^n - 1) + t \cdot \text{MAFDV}$$

$$\text{RFG} = \text{RF} + \text{RFT} + \text{RFDV}$$

Formule de calcul des redevances financières avec tranche conditionnelle

$$\text{RF} = t \cdot \text{MAF} / ((1+t)^n - 1) + t \cdot \text{MAF}$$

$$\text{RFT} = t \cdot \text{MAFT} / ((1+t)^n - 1) + t \cdot \text{MAFT}$$

$$\text{RFDV} = t \cdot \text{MAFDV} / ((1+t)^n - 1) + t \cdot \text{MAFDV}$$

$$\text{RFTC} = t \cdot \text{MAFTC} / ((1+t)^n - 1) + t \cdot \text{MAFTC}$$

$$\text{RFG} = \text{RF} + \text{RFT} + \text{RFDV} + \text{RFTC}$$

ANNEXE N° 5.3.2.7.2.1

AMORTISSEMENT FINANCIER SCENARIO 1 en € sur 20 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	6.348.461 €	11.757.948 €	18.106.408 €	212.200.755 €
2.009	2	6.690.008 €	11.416.401 €	18.106.408 €	205.510.747 €
2.010	3	7.049.930 €	11.056.478 €	18.106.408 €	198.460.817 €
2.011	4	7.429.216 €	10.677.192 €	18.106.408 €	191.031.601 €
2.012	5	7.828.908 €	10.277.500 €	18.106.408 €	183.202.693 €
2.013	6	8.250.104 €	9.856.305 €	18.106.408 €	174.952.589 €
2.014	7	8.693.959 €	9.412.449 €	18.106.408 €	166.258.630 €
2.015	8	9.161.694 €	8.944.714 €	18.106.408 €	157.096.936 €
2.016	9	9.654.593 €	8.451.815 €	18.106.408 €	147.442.343 €
2.017	10	10.174.010 €	7.932.398 €	18.106.408 €	137.268.332 €
2.018	11	10.721.372 €	7.385.036 €	18.106.408 €	126.546.960 €
2.019	12	11.298.182 €	6.808.226 €	18.106.408 €	115.248.778 €
2.020	13	11.906.024 €	6.200.384 €	18.106.408 €	103.342.754 €
2.021	14	12.546.568 €	5.559.840 €	18.106.408 €	90.796.186 €
2.022	15	13.221.574 €	4.884.835 €	18.106.408 €	77.574.612 €
2.023	16	13.932.894 €	4.173.514 €	18.106.408 €	63.641.718 €
2.024	17	14.682.484 €	3.423.924 €	18.106.408 €	48.959.234 €
2.025	18	15.472.402 €	2.634.007 €	18.106.408 €	33.486.833 €
2.026	19	16.304.817 €	1.801.592 €	18.106.408 €	17.182.016 €
2.027	20	17.182.016 €	924.392 €	18.106.408 €	0 €
TOTAUX		218.549.216 €	143.578.952 €	362.128.168 €	

ANNEXE N° 5.3.2.7.2.2

AMORTISSEMENT FINANCIER SCENARIO 2 en € sur 20 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	6.421.609 €	11.893.426 €	18.315.035 €	214.645.786 €
2.009	2	6.767.092 €	11.547.943 €	18.315.035 €	207.878.695 €
2.010	3	7.131.161 €	11.183.874 €	18.315.035 €	200.747.533 €
2.011	4	7.514.818 €	10.800.217 €	18.315.035 €	193.232.716 €
2.012	5	7.919.115 €	10.395.920 €	18.315.035 €	185.313.601 €
2.013	6	8.345.163 €	9.969.872 €	18.315.035 €	176.968.437 €
2.014	7	8.794.133 €	9.520.902 €	18.315.035 €	168.174.304 €
2.015	8	9.267.257 €	9.047.778 €	18.315.035 €	158.907.047 €
2.016	9	9.765.836 €	8.549.199 €	18.315.035 €	149.141.211 €
2.017	10	10.291.238 €	8.023.797 €	18.315.035 €	138.849.973 €
2.018	11	10.844.906 €	7.470.129 €	18.315.035 €	128.005.067 €
2.019	12	11.428.362 €	6.886.673 €	18.315.035 €	116.576.704 €
2.020	13	12.043.208 €	6.271.827 €	18.315.035 €	104.533.496 €
2.021	14	12.691.133 €	5.623.902 €	18.315.035 €	91.842.363 €
2.022	15	13.373.916 €	4.941.119 €	18.315.035 €	78.468.447 €
2.023	16	14.093.433 €	4.221.602 €	18.315.035 €	64.375.014 €
2.024	17	14.851.659 €	3.463.376 €	18.315.035 €	49.523.355 €
2.025	18	15.650.679 €	2.664.357 €	18.315.035 €	33.872.677 €
2.026	19	16.492.685 €	1.822.350 €	18.315.035 €	17.379.991 €
2.027	20	17.379.991 €	935.044 €	18.315.035 €	0 €
TOTAUX		221.067.396 €	145.233.305 €	366.300.701 €	

ANNEXE N° 5.3.2.7.2.3

AMORTISSEMENT FINANCIER SCENARIO 3 en € sur 20 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	8.027.605 €	14.867.882 €	22.895.488 €	268.327.085 €
2.009	2	8.459.491 €	14.435.997 €	22.895.488 €	259.867.595 €
2.010	3	8.914.611 €	13.980.877 €	22.895.488 €	250.952.983 €
2.011	4	9.394.217 €	13.501.271 €	22.895.488 €	241.558.766 €
2.012	5	9.899.626 €	12.995.862 €	22.895.488 €	231.659.140 €
2.013	6	10.432.226 €	12.463.262 €	22.895.488 €	221.226.914 €
2.014	7	10.993.480 €	11.902.008 €	22.895.488 €	210.233.434 €
2.015	8	11.584.929 €	11.310.559 €	22.895.488 €	198.648.506 €
2.016	9	12.208.198 €	10.687.290 €	22.895.488 €	186.440.307 €
2.017	10	12.864.999 €	10.030.489 €	22.895.488 €	173.575.308 €
2.018	11	13.557.136 €	9.338.352 €	22.895.488 €	160.018.172 €
2.019	12	14.286.510 €	8.608.978 €	22.895.488 €	145.731.662 €
2.020	13	15.055.124 €	7.840.363 €	22.895.488 €	130.676.538 €
2.021	14	15.865.090 €	7.030.398 €	22.895.488 €	114.811.448 €
2.022	15	16.718.632 €	6.176.856 €	22.895.488 €	98.092.816 €
2.023	16	17.618.094 €	5.277.394 €	22.895.488 €	80.474.722 €
2.024	17	18.565.948 €	4.329.540 €	22.895.488 €	61.908.774 €
2.025	18	19.564.796 €	3.330.692 €	22.895.488 €	42.343.978 €
2.026	19	20.617.382 €	2.278.106 €	22.895.488 €	21.726.597 €
2.027	20	21.726.597 €	1.168.891 €	22.895.488 €	0 €
TOTAUX		276.354.690 €	181.555.064 €	457.909.754 €	

ANNEXE N° 5.3.2.7.2.4

AMORTISSEMENT FINANCIER SCENARIO 4 en € sur 20 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	7.885.963 €	14.605.548 €	22.491.511 €	263.592.617 €
2.009	2	8.310.228 €	14.181.283 €	22.491.511 €	255.282.389 €
2.010	3	8.757.318 €	13.734.193 €	22.491.511 €	246.525.071 €
2.011	4	9.228.462 €	13.263.049 €	22.491.511 €	237.296.609 €
2.012	5	9.724.953 €	12.766.558 €	22.491.511 €	227.571.655 €
2.013	6	10.248.156 €	12.243.355 €	22.491.511 €	217.323.500 €
2.014	7	10.799.506 €	11.692.004 €	22.491.511 €	206.523.993 €
2.015	8	11.380.520 €	11.110.991 €	22.491.511 €	195.143.473 €
2.016	9	11.992.792 €	10.498.719 €	22.491.511 €	183.150.682 €
2.017	10	12.638.004 €	9.853.507 €	22.491.511 €	170.512.677 €
2.018	11	13.317.929 €	9.173.582 €	22.491.511 €	157.194.749 €
2.019	12	14.034.433 €	8.457.077 €	22.491.511 €	143.160.315 €
2.020	13	14.789.486 €	7.702.025 €	22.491.511 €	128.370.830 €
2.021	14	15.585.160 €	6.906.351 €	22.491.511 €	112.785.670 €
2.022	15	16.423.642 €	6.067.869 €	22.491.511 €	96.362.028 €
2.023	16	17.307.234 €	5.184.277 €	22.491.511 €	79.054.794 €
2.024	17	18.238.363 €	4.253.148 €	22.491.511 €	60.816.431 €
2.025	18	19.219.587 €	3.271.924 €	22.491.511 €	41.596.845 €
2.026	19	20.253.601 €	2.237.910 €	22.491.511 €	21.343.244 €
2.027	20	21.343.244 €	1.148.267 €	22.491.511 €	0 €
TOTAUX		271.478.580 €	178.351.635 €	449.830.215 €	

ANNEXE N° 5.3.2.7.3

AMORTISSEMENT FINANCIER CENTRE DE TRI en € sur 20 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	453.209 €	839.385 €	1.292.593 €	15.148.742 €
2.009	2	477.591 €	815.002 €	1.292.593 €	14.671.151 €
2.010	3	503.286 €	789.308 €	1.292.593 €	14.167.866 €
2.011	4	530.362 €	762.231 €	1.292.593 €	13.637.503 €
2.012	5	558.896 €	733.698 €	1.292.593 €	13.078.607 €
2.013	6	588.964 €	703.629 €	1.292.593 €	12.489.643 €
2.014	7	620.651 €	671.943 €	1.292.593 €	11.868.992 €
2.015	8	654.042 €	638.552 €	1.292.593 €	11.214.951 €
2.016	9	689.229 €	603.364 €	1.292.593 €	10.525.722 €
2.017	10	726.310 €	566.284 €	1.292.593 €	9.799.412 €
2.018	11	765.385 €	527.208 €	1.292.593 €	9.034.027 €
2.019	12	806.563 €	486.031 €	1.292.593 €	8.227.464 €
2.020	13	849.956 €	442.638 €	1.292.593 €	7.377.508 €
2.021	14	895.684 €	396.910 €	1.292.593 €	6.481.824 €
2.022	15	943.871 €	348.722 €	1.292.593 €	5.537.953 €
2.023	16	994.652 €	297.942 €	1.292.593 €	4.543.301 €
2.024	17	1.048.164 €	244.430 €	1.292.593 €	3.495.138 €
2.025	18	1.104.555 €	188.038 €	1.292.593 €	2.390.582 €
2.026	19	1.163.980 €	128.613 €	1.292.593 €	1.226.602 €
2.027	20	1.226.602 €	65.991 €	1.292.593 €	0 €
TOTAUX		15.601.951 €	10.249.919 €	25.851.870 €	

ANNEXE N° 5.3.2.7.4

AMORTISSEMENT FINANCIER DECHETS VERTS en € sur 20 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	923.275 €	1.709.993 €	2.633.268 €	30.860.981 €
2.009	2	972.948 €	1.660.321 €	2.633.268 €	29.888.034 €
2.010	3	1.025.292 €	1.607.976 €	2.633.268 €	28.862.742 €
2.011	4	1.080.453 €	1.552.816 €	2.633.268 €	27.782.289 €
2.012	5	1.138.581 €	1.494.687 €	2.633.268 €	26.643.708 €
2.013	6	1.199.837 €	1.433.431 €	2.633.268 €	25.443.871 €
2.014	7	1.264.388 €	1.368.880 €	2.633.268 €	24.179.483 €
2.015	8	1.332.412 €	1.300.856 €	2.633.268 €	22.847.070 €
2.016	9	1.404.096 €	1.229.172 €	2.633.268 €	21.442.975 €
2.017	10	1.479.636 €	1.153.632 €	2.633.268 €	19.963.338 €
2.018	11	1.559.241 €	1.074.028 €	2.633.268 €	18.404.097 €
2.019	12	1.643.128 €	990.140 €	2.633.268 €	16.760.970 €
2.020	13	1.731.528 €	901.740 €	2.633.268 €	15.029.441 €
2.021	14	1.824.684 €	808.584 €	2.633.268 €	13.204.757 €
2.022	15	1.922.852 €	710.416 €	2.633.268 €	11.281.905 €
2.023	16	2.026.302 €	606.966 €	2.633.268 €	9.255.603 €
2.024	17	2.135.317 €	497.951 €	2.633.268 €	7.120.286 €
2.025	18	2.250.197 €	383.071 €	2.633.268 €	4.870.089 €
2.026	19	2.371.258 €	262.011 €	2.633.268 €	2.498.831 €
2.027	20	2.498.831 €	134.437 €	2.633.268 €	0 €
TOTAUX		31.784.257 €	20.881.110 €	52.665.367 €	

ANNEXE N° 5.3.2.7.5

AMORTISSEMENT FINANCIER TRANCHE CONDITIONNELLE en € sur 20 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	2.556.559 €	4.734.988 €	7.291.547 €	85.454.376 €
2.009	2	2.694.102 €	4.597.445 €	7.291.547 €	82.760.275 €
2.010	3	2.839.044 €	4.452.503 €	7.291.547 €	79.921.230 €
2.011	4	2.991.785 €	4.299.762 €	7.291.547 €	76.929.445 €
2.012	5	3.152.743 €	4.138.804 €	7.291.547 €	73.776.702 €
2.013	6	3.322.361 €	3.969.187 €	7.291.547 €	70.454.341 €
2.014	7	3.501.104 €	3.790.444 €	7.291.547 €	66.953.238 €
2.015	8	3.689.463 €	3.602.084 €	7.291.547 €	63.263.774 €
2.016	9	3.887.956 €	3.403.591 €	7.291.547 €	59.375.818 €
2.017	10	4.097.128 €	3.194.419 €	7.291.547 €	55.278.690 €
2.018	11	4.317.554 €	2.973.994 €	7.291.547 €	50.961.136 €
2.019	12	4.549.838 €	2.741.709 €	7.291.547 €	46.411.298 €
2.020	13	4.794.619 €	2.496.928 €	7.291.547 €	41.616.679 €
2.021	14	5.052.570 €	2.238.977 €	7.291.547 €	36.564.109 €
2.022	15	5.324.398 €	1.967.149 €	7.291.547 €	31.239.710 €
2.023	16	5.610.851 €	1.680.696 €	7.291.547 €	25.628.860 €
2.024	17	5.912.715 €	1.378.833 €	7.291.547 €	19.716.145 €
2.025	18	6.230.819 €	1.060.729 €	7.291.547 €	13.485.326 €
2.026	19	6.566.037 €	725.511 €	7.291.547 €	6.919.290 €
2.027	20	6.919.290 €	372.258 €	7.291.547 €	0 €
TOTAUX		88.010.935 €	57.820.010 €	145.830.946 €	

ANNEXE N° 5.3.2.8.1

AMORTISSEMENT FINANCIER TOTAL (Scénario 1+5+6+7) en € sur 20 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	10.281.503 €	19.042.314 €	29.323.817 €	343.664.855 €
2.009	2	10.834.648 €	18.489.169 €	29.323.817 €	332.830.207 €
2.010	3	11.417.552 €	17.906.265 €	29.323.817 €	321.412.655 €
2.011	4	12.031.817 €	17.292.001 €	29.323.817 €	309.380.838 €
2.012	5	12.679.128 €	16.644.689 €	29.323.817 €	296.701.710 €
2.013	6	13.361.266 €	15.962.552 €	29.323.817 €	283.340.444 €
2.014	7	14.080.102 €	15.243.716 €	29.323.817 €	269.260.343 €
2.015	8	14.837.611 €	14.486.206 €	29.323.817 €	254.422.732 €
2.016	9	15.635.875 €	13.687.943 €	29.323.817 €	238.786.857 €
2.017	10	16.477.085 €	12.846.733 €	29.323.817 €	222.309.772 €
2.018	11	17.363.552 €	11.960.266 €	29.323.817 €	204.946.221 €
2.019	12	18.297.711 €	11.026.107 €	29.323.817 €	186.648.510 €
2.020	13	19.282.128 €	10.041.690 €	29.323.817 €	167.366.382 €
2.021	14	20.319.506 €	9.004.311 €	29.323.817 €	147.046.876 €
2.022	15	21.412.696 €	7.911.122 €	29.323.817 €	125.634.180 €
2.023	16	22.564.699 €	6.759.119 €	29.323.817 €	103.069.482 €
2.024	17	23.778.679 €	5.545.138 €	29.323.817 €	79.290.802 €
2.025	18	25.057.972 €	4.265.845 €	29.323.817 €	54.232.830 €
2.026	19	26.406.091 €	2.917.726 €	29.323.817 €	27.826.739 €
2.027	20	27.826.739 €	1.497.079 €	29.323.817 €	0 €
TOTAUX		353.946.359 €	232.529.991 €	586.476.350 €	

ANNEXE N° 5.3.2.8.1

AMORTISSEMENT FINANCIER TOTAL (Scénario 2+5+6+7) en € sur 20 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	10.354.652 €	19.177.792 €	29.532.444 €	346.109.887 €
2.009	2	10.911.732 €	18.620.712 €	29.532.444 €	335.198.154 €
2.010	3	11.498.783 €	18.033.661 €	29.532.444 €	323.699.371 €
2.011	4	12.117.418 €	17.415.026 €	29.532.444 €	311.581.953 €
2.012	5	12.769.335 €	16.763.109 €	29.532.444 €	298.812.618 €
2.013	6	13.456.325 €	16.076.119 €	29.532.444 €	285.356.293 €
2.014	7	14.180.276 €	15.352.169 €	29.532.444 €	271.176.017 €
2.015	8	14.943.174 €	14.589.270 €	29.532.444 €	256.232.842 €
2.016	9	15.747.117 €	13.785.327 €	29.532.444 €	240.485.725 €
2.017	10	16.594.312 €	12.938.132 €	29.532.444 €	223.891.413 €
2.018	11	17.487.086 €	12.045.358 €	29.532.444 €	206.404.327 €
2.019	12	18.427.891 €	11.104.553 €	29.532.444 €	187.976.436 €
2.020	13	19.419.312 €	10.113.132 €	29.532.444 €	168.557.124 €
2.021	14	20.464.071 €	9.068.373 €	29.532.444 €	148.093.053 €
2.022	15	21.565.038 €	7.967.406 €	29.532.444 €	126.528.015 €
2.023	16	22.725.237 €	6.807.207 €	29.532.444 €	103.802.778 €
2.024	17	23.947.855 €	5.584.589 €	29.532.444 €	79.854.923 €
2.025	18	25.236.249 €	4.296.195 €	29.532.444 €	54.618.674 €
2.026	19	26.593.959 €	2.938.485 €	29.532.444 €	28.024.715 €
2.027	20	28.024.715 €	1.507.730 €	29.532.444 €	0 €
TOTAUX		356.464.539 €	234.184.344 €	590.648.883 €	

ANNEXE N° 5.3.2.8.1

AMORTISSEMENT FINANCIER TOTAL (Scénario 3+5+6+7) en € sur 20 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	11.960.648 €	22.152.249 €	34.112.897 €	399.791.185 €
2.009	2	12.604.131 €	21.508.766 €	34.112.897 €	387.187.054 €
2.010	3	13.282.233 €	20.830.664 €	34.112.897 €	373.904.821 €
2.011	4	13.996.817 €	20.116.079 €	34.112.897 €	359.908.003 €
2.012	5	14.749.846 €	19.363.051 €	34.112.897 €	345.158.157 €
2.013	6	15.543.388 €	18.569.509 €	34.112.897 €	329.614.769 €
2.014	7	16.379.622 €	17.733.275 €	34.112.897 €	313.235.147 €
2.015	8	17.260.846 €	16.852.051 €	34.112.897 €	295.974.301 €
2.016	9	18.189.479 €	15.923.417 €	34.112.897 €	277.784.822 €
2.017	10	19.168.073 €	14.944.823 €	34.112.897 €	258.616.748 €
2.018	11	20.199.316 €	13.913.581 €	34.112.897 €	238.417.432 €
2.019	12	21.286.039 €	12.826.858 €	34.112.897 €	217.131.394 €
2.020	13	22.431.228 €	11.681.669 €	34.112.897 €	194.700.166 €
2.021	14	23.638.028 €	10.474.869 €	34.112.897 €	171.062.138 €
2.022	15	24.909.754 €	9.203.143 €	34.112.897 €	146.152.384 €
2.023	16	26.249.899 €	7.862.998 €	34.112.897 €	119.902.485 €
2.024	17	27.662.143 €	6.450.754 €	34.112.897 €	92.240.342 €
2.025	18	29.150.366 €	4.962.530 €	34.112.897 €	63.089.976 €
2.026	19	30.718.656 €	3.394.241 €	34.112.897 €	32.371.320 €
2.027	20	32.371.320 €	1.741.577 €	34.112.897 €	0 €
TOTAUX		411.751.833 €	270.506.103 €	682.257.936 €	

ANNEXE N° 5.3.2.8.1

AMORTISSEMENT FINANCIER TOTAL (Scénario 4+5+6+7) en € sur 20 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	11.819.006 €	21.889.914 €	33.708.920 €	395.056.717 €
2.009	2	12.454.868 €	21.254.051 €	33.708.920 €	382.601.848 €
2.010	3	13.124.940 €	20.583.979 €	33.708.920 €	369.476.908 €
2.011	4	13.831.062 €	19.877.858 €	33.708.920 €	355.645.846 €
2.012	5	14.575.173 €	19.133.747 €	33.708.920 €	341.070.672 €
2.013	6	15.359.318 €	18.349.602 €	33.708.920 €	325.711.355 €
2.014	7	16.185.649 €	17.523.271 €	33.708.920 €	309.525.706 €
2.015	8	17.056.437 €	16.652.483 €	33.708.920 €	292.469.269 €
2.016	9	17.974.073 €	15.734.847 €	33.708.920 €	274.495.196 €
2.017	10	18.941.078 €	14.767.842 €	33.708.920 €	255.554.117 €
2.018	11	19.960.108 €	13.748.812 €	33.708.920 €	235.594.009 €
2.019	12	21.033.962 €	12.674.958 €	33.708.920 €	214.560.047 €
2.020	13	22.165.589 €	11.543.331 €	33.708.920 €	192.394.458 €
2.021	14	23.358.098 €	10.350.822 €	33.708.920 €	169.036.360 €
2.022	15	24.614.764 €	9.094.156 €	33.708.920 €	144.421.596 €
2.023	16	25.939.038 €	7.769.882 €	33.708.920 €	118.482.558 €
2.024	17	27.334.558 €	6.374.362 €	33.708.920 €	91.148.000 €
2.025	18	28.805.157 €	4.903.762 €	33.708.920 €	62.342.842 €
2.026	19	30.354.875 €	3.354.045 €	33.708.920 €	31.987.967 €
2.027	20	31.987.967 €	1.720.953 €	33.708.920 €	0 €
TOTAUX		406.875.723 €	267.302.674 €	674.178.397 €	

ANNEXE N° 5.3.8.2

ANNUITES GLOBALES (Scénario 1+5+6+7) SUR 17 ANS

Année	Principal	Intérêt	Annuités	KRD
2.008	13.307.892 €	18.865.341 €	32.173.233 €	340.638.467 €
2.009	14.017.203 €	18.156.030 €	32.173.233 €	326.621.264 €
2.010	14.764.320 €	17.408.913 €	32.173.233 €	311.856.944 €
2.011	15.551.258 €	16.621.975 €	32.173.233 €	296.305.686 €
2.012	16.380.140 €	15.793.093 €	32.173.233 €	279.925.546 €
2.013	17.253.202 €	14.920.032 €	32.173.233 €	262.672.344 €
2.014	18.172.797 €	14.000.436 €	32.173.233 €	244.499.547 €
2.015	19.141.407 €	13.031.826 €	32.173.233 €	225.358.140 €
2.016	20.161.644 €	12.011.589 €	32.173.233 €	205.196.495 €
2.017	21.236.260 €	10.936.973 €	32.173.233 €	183.960.235 €
2.018	22.368.153 €	9.805.081 €	32.173.233 €	161.592.083 €
2.019	23.560.375 €	8.612.858 €	32.173.233 €	138.031.708 €
2.020	24.816.143 €	7.357.090 €	32.173.233 €	113.215.565 €
2.021	26.138.844 €	6.034.390 €	32.173.233 €	87.076.721 €
2.022	27.532.044 €	4.641.189 €	32.173.233 €	59.544.677 €
2.023	28.999.502 €	3.173.731 €	32.173.233 €	30.545.175 €
2.024	30.545.175 €	1.628.058 €	32.173.233 €	0 €
2.025	0 €	0 €	0 €	0 €
2.026	0 €	0 €	0 €	0 €
2.027	0 €	0 €	0 €	0 €
TOTAUX	353.946.359 €	192.998.605 €	546.944.963 €	

ANNEXE N° 5.3.8.2

ANNUITES GLOBALES (Scénario 2+5+6+7) SUR 20 ANS

Année	Principal	Intérêt	Annuités	KRD
2.008	10.354.652 €	19.177.792 €	29.532.444 €	346.109.887 €
2.009	10.911.732 €	18.620.712 €	29.532.444 €	335.198.154 €
2.010	11.498.783 €	18.033.661 €	29.532.444 €	323.699.371 €
2.011	12.117.418 €	17.415.026 €	29.532.444 €	311.581.953 €
2.012	12.769.335 €	16.763.109 €	29.532.444 €	298.812.618 €
2.013	13.456.325 €	16.076.119 €	29.532.444 €	285.356.293 €
2.014	14.180.276 €	15.352.169 €	29.532.444 €	271.176.017 €
2.015	14.943.174 €	14.589.270 €	29.532.444 €	256.232.842 €
2.016	15.747.117 €	13.785.327 €	29.532.444 €	240.485.725 €
2.017	16.594.312 €	12.938.132 €	29.532.444 €	223.891.413 €
2.018	17.487.086 €	12.045.358 €	29.532.444 €	206.404.327 €
2.019	18.427.891 €	11.104.553 €	29.532.444 €	187.976.436 €
2.020	19.419.312 €	10.113.132 €	29.532.444 €	168.557.124 €
2.021	20.464.071 €	9.068.373 €	29.532.444 €	148.093.053 €
2.022	21.565.038 €	7.967.406 €	29.532.444 €	126.528.015 €
2.023	22.725.237 €	6.807.207 €	29.532.444 €	103.802.778 €
2.024	23.947.855 €	5.584.589 €	29.532.444 €	79.854.923 €
2.025	25.236.249 €	4.296.195 €	29.532.444 €	54.618.674 €
2.026	26.593.959 €	2.938.485 €	29.532.444 €	28.024.715 €
2.027	28.024.715 €	1.507.730 €	29.532.444 €	0 €
TOTAUX	356.464.539 €	234.184.344 €	590.648.883 €	

ANNEXE N° 5.3.8.2

ANNUITES GLOBALES (Scénario 4+5+6+7) SUR 20 ANS

Année	Principal	Intérêt	Annuités	KRD
2.008	11.819.006 €	21.889.914 €	33.708.920 €	395.056.717 €
2.009	12.454.868 €	21.254.051 €	33.708.920 €	382.601.848 €
2.010	13.124.940 €	20.583.979 €	33.708.920 €	369.476.908 €
2.011	13.831.062 €	19.877.858 €	33.708.920 €	355.645.846 €
2.012	14.575.173 €	19.133.747 €	33.708.920 €	341.070.672 €
2.013	15.359.318 €	18.349.602 €	33.708.920 €	325.711.355 €
2.014	16.185.649 €	17.523.271 €	33.708.920 €	309.525.706 €
2.015	17.056.437 €	16.652.483 €	33.708.920 €	292.469.269 €
2.016	17.974.073 €	15.734.847 €	33.708.920 €	274.495.196 €
2.017	18.941.078 €	14.767.842 €	33.708.920 €	255.554.117 €
2.018	19.960.108 €	13.748.812 €	33.708.920 €	235.594.009 €
2.019	21.033.962 €	12.674.958 €	33.708.920 €	214.560.047 €
2.020	22.165.589 €	11.543.331 €	33.708.920 €	192.394.458 €
2.021	23.358.098 €	10.350.822 €	33.708.920 €	169.036.360 €
2.022	24.614.764 €	9.094.156 €	33.708.920 €	144.421.596 €
2.023	25.939.038 €	7.769.882 €	33.708.920 €	118.482.558 €
2.024	27.334.558 €	6.374.362 €	33.708.920 €	91.148.000 €
2.025	28.805.157 €	4.903.762 €	33.708.920 €	62.342.842 €
2.026	30.354.875 €	3.354.045 €	33.708.920 €	31.987.967 €
2.027	31.987.967 €	1.720.953 €	33.708.920 €	0 €
TOTAUX	406.875.723 €	267.302.674 €	674.178.397 €	

ANNEXE N° 5.3.8.2

ANNUITES GLOBALES (Scénario 3+5+6+7) SUR 20 ANS

Année	Principal	Intérêt	Annuités	KRD
2.008	11.960.648 €	22.152.249 €	34.112.897 €	399.791.185 €
2.009	12.604.131 €	21.508.766 €	34.112.897 €	387.187.054 €
2.010	13.282.233 €	20.830.664 €	34.112.897 €	373.904.821 €
2.011	13.996.817 €	20.116.079 €	34.112.897 €	359.908.003 €
2.012	14.749.846 €	19.363.051 €	34.112.897 €	345.158.157 €
2.013	15.543.388 €	18.569.509 €	34.112.897 €	329.614.769 €
2.014	16.379.622 €	17.733.275 €	34.112.897 €	313.235.147 €
2.015	17.260.846 €	16.852.051 €	34.112.897 €	295.974.301 €
2.016	18.189.479 €	15.923.417 €	34.112.897 €	277.784.822 €
2.017	19.168.073 €	14.944.823 €	34.112.897 €	258.616.748 €
2.018	20.199.316 €	13.913.581 €	34.112.897 €	238.417.432 €
2.019	21.286.039 €	12.826.858 €	34.112.897 €	217.131.394 €
2.020	22.431.228 €	11.681.669 €	34.112.897 €	194.700.166 €
2.021	23.638.028 €	10.474.869 €	34.112.897 €	171.062.138 €
2.022	24.909.754 €	9.203.143 €	34.112.897 €	146.152.384 €
2.023	26.249.899 €	7.862.998 €	34.112.897 €	119.902.485 €
2.024	27.662.143 €	6.450.754 €	34.112.897 €	92.240.342 €
2.025	29.150.366 €	4.962.530 €	34.112.897 €	63.089.976 €
2.026	30.718.656 €	3.394.241 €	34.112.897 €	32.371.320 €
2.027	32.371.320 €	1.741.577 €	34.112.897 €	0 €
TOTAUX	411.751.833 €	270.506.103 €	682.257.936 €	

A5 - ANNEXES FINANCIERES

A5.3 - Programme de financement des investissements par scénario

A5.3.3 - Financement scénario 1 à 4 Variante 20 ans et option 2, option 4 et tranche conditionnelle

ANNEXE N° 5.3.3.7.2.1

AMORTISSEMENT FINANCIER SCENARIO 1 en € sur 17 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	8.217.147 €	11.648.673 €	19.865.821 €	210.332.068 €
2.009	2	8.655.121 €	11.210.699 €	19.865.821 €	201.676.947 €
2.010	3	9.116.439 €	10.749.381 €	19.865.821 €	192.560.508 €
2.011	4	9.602.346 €	10.263.475 €	19.865.821 €	182.958.162 €
2.012	5	10.114.151 €	9.751.670 €	19.865.821 €	172.844.012 €
2.013	6	10.653.235 €	9.212.586 €	19.865.821 €	162.190.777 €
2.014	7	11.221.052 €	8.644.768 €	19.865.821 €	150.969.724 €
2.015	8	11.819.134 €	8.046.686 €	19.865.821 €	139.150.590 €
2.016	9	12.449.094 €	7.416.726 €	19.865.821 €	126.701.496 €
2.017	10	13.112.631 €	6.753.190 €	19.865.821 €	113.588.865 €
2.018	11	13.811.534 €	6.054.287 €	19.865.821 €	99.777.331 €
2.019	12	14.547.689 €	5.318.132 €	19.865.821 €	85.229.642 €
2.020	13	15.323.081 €	4.542.740 €	19.865.821 €	69.906.561 €
2.021	14	16.139.801 €	3.726.020 €	19.865.821 €	53.766.761 €
2.022	15	17.000.052 €	2.865.768 €	19.865.821 €	36.766.708 €
2.023	16	17.906.155 €	1.959.666 €	19.865.821 €	18.860.553 €
2.024	17	18.860.553 €	1.005.267 €	19.865.821 €	0 €
2.025	18	0 €	0 €	0 €	0 €
2.026	19	0 €	0 €	0 €	0 €
2.027	20	0 €	0 €	0 €	0 €
TOTAUX		218.549.216 €	119.169.735 €	337.718.951 €	

ANNEXE N° 5.3.3.7.2.2

AMORTISSEMENT FINANCIER SCENARIO 2 en € sur 17 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	8.311.827 €	11.782.892 €	20.094.720 €	212.755.568 €
2.009	2	8.754.848 €	11.339.872 €	20.094.720 €	204.000.720 €
2.010	3	9.221.481 €	10.873.238 €	20.094.720 €	194.779.239 €
2.011	4	9.712.986 €	10.381.733 €	20.094.720 €	185.066.253 €
2.012	5	10.230.688 €	9.864.031 €	20.094.720 €	174.835.564 €
2.013	6	10.775.984 €	9.318.736 €	20.094.720 €	164.059.580 €
2.014	7	11.350.344 €	8.744.376 €	20.094.720 €	152.709.236 €
2.015	8	11.955.317 €	8.139.402 €	20.094.720 €	140.753.919 €
2.016	9	12.592.536 €	7.502.184 €	20.094.720 €	128.161.383 €
2.017	10	13.263.718 €	6.831.002 €	20.094.720 €	114.897.665 €
2.018	11	13.970.674 €	6.124.046 €	20.094.720 €	100.926.991 €
2.019	12	14.715.311 €	5.379.409 €	20.094.720 €	86.211.680 €
2.020	13	15.499.637 €	4.595.083 €	20.094.720 €	70.712.043 €
2.021	14	16.325.768 €	3.768.952 €	20.094.720 €	54.386.275 €
2.022	15	17.195.931 €	2.898.788 €	20.094.720 €	37.190.344 €
2.023	16	18.112.474 €	1.982.245 €	20.094.720 €	19.077.869 €
2.024	17	19.077.869 €	1.016.850 €	20.094.720 €	0 €
2.025	18	0 €	0 €	0 €	0 €
2.026	19	0 €	0 €	0 €	0 €
2.027	20	0 €	0 €	0 €	0 €
TOTAUX		221.067.396 €	120.542.839 €	341.610.234 €	

ANNEXE N° 5.3.3.7.2.3

AMORTISSEMENT FINANCIER SCENARIO 3 en € sur 17 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	10.390.553 €	14.729.705 €	25.120.258 €	265.964.137 €
2.009	2	10.944.370 €	14.175.889 €	25.120.258 €	255.019.768 €
2.010	3	11.527.704 €	13.592.554 €	25.120.258 €	243.492.063 €
2.011	4	12.142.131 €	12.978.127 €	25.120.258 €	231.349.932 €
2.012	5	12.789.307 €	12.330.951 €	25.120.258 €	218.560.625 €
2.013	6	13.470.977 €	11.649.281 €	25.120.258 €	205.089.649 €
2.014	7	14.188.980 €	10.931.278 €	25.120.258 €	190.900.669 €
2.015	8	14.945.252 €	10.175.006 €	25.120.258 €	175.955.416 €
2.016	9	15.741.834 €	9.378.424 €	25.120.258 €	160.213.582 €
2.017	10	16.580.874 €	8.539.384 €	25.120.258 €	143.632.708 €
2.018	11	17.464.635 €	7.655.623 €	25.120.258 €	126.168.073 €
2.019	12	18.395.500 €	6.724.758 €	25.120.258 €	107.772.573 €
2.020	13	19.375.980 €	5.744.278 €	25.120.258 €	88.396.593 €
2.021	14	20.408.720 €	4.711.538 €	25.120.258 €	67.987.874 €
2.022	15	21.496.504 €	3.623.754 €	25.120.258 €	46.491.369 €
2.023	16	22.642.268 €	2.477.990 €	25.120.258 €	23.849.101 €
2.024	17	23.849.101 €	1.271.157 €	25.120.258 €	0 €
2.025	18	0 €	0 €	0 €	0 €
2.026	19	0 €	0 €	0 €	0 €
2.027	20	0 €	0 €	0 €	0 €
TOTAUX		276.354.690 €	150.689.697 €	427.044.388 €	

ANNEXE N° 5.3.3.7.2.4

AMORTISSEMENT FINANCIER SCENARIO 4 en € sur 17 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	10.207.218 €	14.469.808 €	24.677.026 €	261.271.362 €
2.009	2	10.751.263 €	13.925.764 €	24.677.026 €	250.520.099 €
2.010	3	11.324.305 €	13.352.721 €	24.677.026 €	239.195.794 €
2.011	4	11.927.891 €	12.749.136 €	24.677.026 €	227.267.903 €
2.012	5	12.563.647 €	12.113.379 €	24.677.026 €	214.704.256 €
2.013	6	13.233.290 €	11.443.737 €	24.677.026 €	201.470.966 €
2.014	7	13.938.624 €	10.738.403 €	24.677.026 €	187.532.343 €
2.015	8	14.681.553 €	9.995.474 €	24.677.026 €	172.850.790 €
2.016	9	15.464.079 €	9.212.947 €	24.677.026 €	157.386.711 €
2.017	10	16.288.315 €	8.388.712 €	24.677.026 €	141.098.396 €
2.018	11	17.156.482 €	7.520.545 €	24.677.026 €	123.941.914 €
2.019	12	18.070.922 €	6.606.104 €	24.677.026 €	105.870.992 €
2.020	13	19.034.103 €	5.642.924 €	24.677.026 €	86.836.889 €
2.021	14	20.048.620 €	4.628.406 €	24.677.026 €	66.788.269 €
2.022	15	21.117.212 €	3.559.815 €	24.677.026 €	45.671.057 €
2.023	16	22.242.759 €	2.434.267 €	24.677.026 €	23.428.298 €
2.024	17	23.428.298 €	1.248.728 €	24.677.026 €	0 €
2.025	18	0 €	0 €	0 €	0 €
2.026	19	0 €	0 €	0 €	0 €
2.027	20	0 €	0 €	0 €	0 €
TOTAUX		271.478.580 €	148.030.869 €	419.509.449 €	

ANNEXE N° 5.3.3.7.3

AMORTISSEMENT FINANCIER CENTRE DE TRI en € sur 17 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	586.612 €	831.584 €	1.418.196 €	15.015.339 €
2.009	2	617.878 €	800.318 €	1.418.196 €	14.397.461 €
2.010	3	650.811 €	767.385 €	1.418.196 €	13.746.650 €
2.011	4	685.499 €	732.696 €	1.418.196 €	13.061.151 €
2.012	5	722.036 €	696.159 €	1.418.196 €	12.339.114 €
2.013	6	760.521 €	657.675 €	1.418.196 €	11.578.593 €
2.014	7	801.057 €	617.139 €	1.418.196 €	10.777.537 €
2.015	8	843.753 €	574.443 €	1.418.196 €	9.933.784 €
2.016	9	888.725 €	529.471 €	1.418.196 €	9.045.059 €
2.017	10	936.094 €	482.102 €	1.418.196 €	8.108.965 €
2.018	11	985.988 €	432.208 €	1.418.196 €	7.122.977 €
2.019	12	1.038.541 €	379.655 €	1.418.196 €	6.084.436 €
2.020	13	1.093.895 €	324.300 €	1.418.196 €	4.990.541 €
2.021	14	1.152.200 €	265.996 €	1.418.196 €	3.838.341 €
2.022	15	1.213.612 €	204.584 €	1.418.196 €	2.624.729 €
2.023	16	1.278.298 €	139.898 €	1.418.196 €	1.346.431 €
2.024	17	1.346.431 €	71.765 €	1.418.196 €	0 €
2.025	18	0 €	0 €	0 €	0 €
2.026	19	0 €	0 €	0 €	0 €
2.027	20	0 €	0 €	0 €	0 €
TOTAUX		15.601.951 €	8.507.376 €	24.109.327 €	

ANNEXE N° 5.3.3.7.4

AMORTISSEMENT FINANCIER DECHETS VERTS en € sur 17 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	1.195.044 €	1.694.101 €	2.889.145 €	30.589.213 €
2.009	2	1.258.740 €	1.630.405 €	2.889.145 €	29.330.473 €
2.010	3	1.325.831 €	1.563.314 €	2.889.145 €	28.004.642 €
2.011	4	1.396.497 €	1.492.647 €	2.889.145 €	26.608.145 €
2.012	5	1.470.931 €	1.418.214 €	2.889.145 €	25.137.214 €
2.013	6	1.549.331 €	1.339.814 €	2.889.145 €	23.587.883 €
2.014	7	1.631.911 €	1.257.234 €	2.889.145 €	21.955.972 €
2.015	8	1.718.892 €	1.170.253 €	2.889.145 €	20.237.081 €
2.016	9	1.810.508 €	1.078.636 €	2.889.145 €	18.426.572 €
2.017	10	1.907.009 €	982.136 €	2.889.145 €	16.519.563 €
2.018	11	2.008.652 €	880.493 €	2.889.145 €	14.510.911 €
2.019	12	2.115.713 €	773.432 €	2.889.145 €	12.395.198 €
2.020	13	2.228.481 €	660.664 €	2.889.145 €	10.166.717 €
2.021	14	2.347.259 €	541.886 €	2.889.145 €	7.819.458 €
2.022	15	2.472.368 €	416.777 €	2.889.145 €	5.347.091 €
2.023	16	2.604.145 €	285.000 €	2.889.145 €	2.742.946 €
2.024	17	2.742.946 €	146.199 €	2.889.145 €	0 €
2.025	18	0 €	0 €	0 €	0 €
2.026	19	0 €	0 €	0 €	0 €
2.027	20	0 €	0 €	0 €	0 €
TOTAUX		31.784.257 €	17.331.206 €	49.115.463 €	

ANNEXE N° 5.3.3.7.5

AMORTISSEMENT FINANCIER TRANCHE CONDITIONNELLE en € sur 17 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	3.309.089 €	4.690.983 €	8.000.072 €	84.701.846 €
2.009	2	3.485.464 €	4.514.608 €	8.000.072 €	81.216.383 €
2.010	3	3.671.239 €	4.328.833 €	8.000.072 €	77.545.144 €
2.011	4	3.866.916 €	4.133.156 €	8.000.072 €	73.678.228 €
2.012	5	4.073.022 €	3.927.050 €	8.000.072 €	69.605.206 €
2.013	6	4.290.115 €	3.709.957 €	8.000.072 €	65.315.091 €
2.014	7	4.518.778 €	3.481.294 €	8.000.072 €	60.796.314 €
2.015	8	4.759.628 €	3.240.444 €	8.000.072 €	56.036.685 €
2.016	9	5.013.317 €	2.986.755 €	8.000.072 €	51.023.369 €
2.017	10	5.280.526 €	2.719.546 €	8.000.072 €	45.742.842 €
2.018	11	5.561.978 €	2.438.093 €	8.000.072 €	40.180.864 €
2.019	12	5.858.432 €	2.141.640 €	8.000.072 €	34.322.432 €
2.020	13	6.170.686 €	1.829.386 €	8.000.072 €	28.151.745 €
2.021	14	6.499.584 €	1.500.488 €	8.000.072 €	21.652.161 €
2.022	15	6.846.012 €	1.154.060 €	8.000.072 €	14.806.150 €
2.023	16	7.210.904 €	789.168 €	8.000.072 €	7.595.245 €
2.024	17	7.595.245 €	404.827 €	8.000.072 €	0 €
2.025	18	0 €	0 €	0 €	0 €
2.026	19	0 €	0 €	0 €	0 €
2.027	20	0 €	0 €	0 €	0 €
TOTAUX		88.010.935 €	47.990.288 €	136.001.224 €	

ANNEXE N° 5.3.2.8.1

AMORTISSEMENT FINANCIER TOTAL (Scénario 1+5+6+7) en € sur 17 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	13.307.892 €	18.865.341 €	32.173.233 €	340.638.467 €
2.009	2	14.017.203 €	18.156.030 €	32.173.233 €	326.621.264 €
2.010	3	14.764.320 €	17.408.913 €	32.173.233 €	311.856.944 €
2.011	4	15.551.258 €	16.621.975 €	32.173.233 €	296.305.686 €
2.012	5	16.380.140 €	15.793.093 €	32.173.233 €	279.925.546 €
2.013	6	17.253.202 €	14.920.032 €	32.173.233 €	262.672.344 €
2.014	7	18.172.797 €	14.000.436 €	32.173.233 €	244.499.547 €
2.015	8	19.141.407 €	13.031.826 €	32.173.233 €	225.358.140 €
2.016	9	20.161.644 €	12.011.589 €	32.173.233 €	205.196.495 €
2.017	10	21.236.260 €	10.936.973 €	32.173.233 €	183.960.235 €
2.018	11	22.368.153 €	9.805.081 €	32.173.233 €	161.592.083 €
2.019	12	23.560.375 €	8.612.858 €	32.173.233 €	138.031.708 €
2.020	13	24.816.143 €	7.357.090 €	32.173.233 €	113.215.565 €
2.021	14	26.138.844 €	6.034.390 €	32.173.233 €	87.076.721 €
2.022	15	27.532.044 €	4.641.189 €	32.173.233 €	59.544.677 €
2.023	16	28.999.502 €	3.173.731 €	32.173.233 €	30.545.175 €
2.024	17	30.545.175 €	1.628.058 €	32.173.233 €	0 €
2.025	18	0 €	0 €	0 €	0 €
2.026	19	0 €	0 €	0 €	0 €
2.027	20	0 €	0 €	0 €	0 €
TOTAUX		353.946.359 €	192.998.605 €	546.944.963 €	

ANNEXE N° 5.3.2.8.1

AMORTISSEMENT FINANCIER TOTAL (Scénario 2+5+6+7) en € sur 17 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	13.402.572 €	18.999.560 €	32.402.132 €	343.061.966 €
2.009	2	14.116.929 €	18.285.203 €	32.402.132 €	328.945.037 €
2.010	3	14.869.362 €	17.532.770 €	32.402.132 €	314.075.675 €
2.011	4	15.661.899 €	16.740.233 €	32.402.132 €	298.413.776 €
2.012	5	16.496.678 €	15.905.454 €	32.402.132 €	281.917.099 €
2.013	6	17.375.951 €	15.026.181 €	32.402.132 €	264.541.148 €
2.014	7	18.302.089 €	14.100.043 €	32.402.132 €	246.239.059 €
2.015	8	19.277.590 €	13.124.542 €	32.402.132 €	226.961.468 €
2.016	9	20.305.086 €	12.097.046 €	32.402.132 €	206.656.382 €
2.017	10	21.387.347 €	11.014.785 €	32.402.132 €	185.269.035 €
2.018	11	22.527.293 €	9.874.840 €	32.402.132 €	162.741.743 €
2.019	12	23.727.997 €	8.674.135 €	32.402.132 €	139.013.745 €
2.020	13	24.992.700 €	7.409.433 €	32.402.132 €	114.021.046 €
2.021	14	26.324.810 €	6.077.322 €	32.402.132 €	87.696.235 €
2.022	15	27.727.923 €	4.674.209 €	32.402.132 €	59.968.313 €
2.023	16	29.205.821 €	3.196.311 €	32.402.132 €	30.762.491 €
2.024	17	30.762.491 €	1.639.641 €	32.402.132 €	0 €
2.025	18	0 €	0 €	0 €	0 €
2.026	19	0 €	0 €	0 €	0 €
2.027	20	0 €	0 €	0 €	0 €
TOTAUX		356.464.539 €	194.371.709 €	550.836.247 €	

ANNEXE N° 5.3.2.8.1

AMORTISSEMENT FINANCIER TOTAL (Scénario 3+5+6+7) en € sur 17 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	15.481.298 €	21.946.373 €	37.427.671 €	396.270.535 €
2.009	2	16.306.451 €	21.121.220 €	37.427.671 €	379.964.084 €
2.010	3	17.175.585 €	20.252.086 €	37.427.671 €	362.788.499 €
2.011	4	18.091.044 €	19.336.627 €	37.427.671 €	344.697.456 €
2.012	5	19.055.296 €	18.372.374 €	37.427.671 €	325.642.160 €
2.013	6	20.070.944 €	17.356.727 €	37.427.671 €	305.571.216 €
2.014	7	21.140.725 €	16.286.946 €	37.427.671 €	284.430.491 €
2.015	8	22.267.525 €	15.160.145 €	37.427.671 €	262.162.966 €
2.016	9	23.454.385 €	13.973.286 €	37.427.671 €	238.708.581 €
2.017	10	24.704.503 €	12.723.167 €	37.427.671 €	214.004.078 €
2.018	11	26.021.253 €	11.406.417 €	37.427.671 €	187.982.825 €
2.019	12	27.408.186 €	10.019.485 €	37.427.671 €	160.574.639 €
2.020	13	28.869.042 €	8.558.628 €	37.427.671 €	131.705.596 €
2.021	14	30.407.762 €	7.019.908 €	37.427.671 €	101.297.834 €
2.022	15	32.028.496 €	5.399.175 €	37.427.671 €	69.269.338 €
2.023	16	33.735.615 €	3.692.056 €	37.427.671 €	35.533.723 €
2.024	17	35.533.723 €	1.893.947 €	37.427.671 €	0 €
2.025	18	0 €	0 €	0 €	0 €
2.026	19	0 €	0 €	0 €	0 €
2.027	20	0 €	0 €	0 €	0 €
TOTAUX		411.751.833 €	224.518.567 €	636.270.401 €	

ANNEXE N° 5.3.2.8.1

AMORTISSEMENT FINANCIER TOTAL (Scénario 4+5+6+7) en € sur 17 ANS

Année	Période	Principal	Intérêt	Échéance	KRD
2.008	1	15.297.963 €	21.686.476 €	36.984.439 €	391.577.760 €
2.009	2	16.113.344 €	20.871.095 €	36.984.439 €	375.464.416 €
2.010	3	16.972.186 €	20.012.253 €	36.984.439 €	358.492.230 €
2.011	4	17.876.803 €	19.107.636 €	36.984.439 €	340.615.427 €
2.012	5	18.829.637 €	18.154.802 €	36.984.439 €	321.785.790 €
2.013	6	19.833.256 €	17.151.183 €	36.984.439 €	301.952.534 €
2.014	7	20.890.369 €	16.094.070 €	36.984.439 €	281.062.165 €
2.015	8	22.003.826 €	14.980.613 €	36.984.439 €	259.058.340 €
2.016	9	23.176.629 €	13.807.810 €	36.984.439 €	235.881.710 €
2.017	10	24.411.944 €	12.572.495 €	36.984.439 €	211.469.766 €
2.018	11	25.713.100 €	11.271.339 €	36.984.439 €	185.756.666 €
2.019	12	27.083.609 €	9.900.830 €	36.984.439 €	158.673.057 €
2.020	13	28.527.165 €	8.457.274 €	36.984.439 €	130.145.892 €
2.021	14	30.047.663 €	6.936.776 €	36.984.439 €	100.098.229 €
2.022	15	31.649.203 €	5.335.236 €	36.984.439 €	68.449.026 €
2.023	16	33.336.106 €	3.648.333 €	36.984.439 €	35.112.920 €
2.024	17	35.112.920 €	1.871.519 €	36.984.439 €	0 €
2.025	18	0 €	0 €	0 €	0 €
2.026	19	0 €	0 €	0 €	0 €
2.027	20	0 €	0 €	0 €	0 €
TOTAUX		406.875.723 €	221.859.739 €	628.735.462 €	

ANNEXE N° 5.3.8.2

ANNUITES GLOBALES (Scénario 1+5+6+7) SUR 17 ANS

Année	Principal	Intérêt	Annuités	KRD
2.008	13.307.892 €	18.865.341 €	32.173.233 €	340.638.467 €
2.009	14.017.203 €	18.156.030 €	32.173.233 €	326.621.264 €
2.010	14.764.320 €	17.408.913 €	32.173.233 €	311.856.944 €
2.011	15.551.258 €	16.621.975 €	32.173.233 €	296.305.686 €
2.012	16.380.140 €	15.793.093 €	32.173.233 €	279.925.546 €
2.013	17.253.202 €	14.920.032 €	32.173.233 €	262.672.344 €
2.014	18.172.797 €	14.000.436 €	32.173.233 €	244.499.547 €
2.015	19.141.407 €	13.031.826 €	32.173.233 €	225.358.140 €
2.016	20.161.644 €	12.011.589 €	32.173.233 €	205.196.495 €
2.017	21.236.260 €	10.936.973 €	32.173.233 €	183.960.235 €
2.018	22.368.153 €	9.805.081 €	32.173.233 €	161.592.083 €
2.019	23.560.375 €	8.612.858 €	32.173.233 €	138.031.708 €
2.020	24.816.143 €	7.357.090 €	32.173.233 €	113.215.565 €
2.021	26.138.844 €	6.034.390 €	32.173.233 €	87.076.721 €
2.022	27.532.044 €	4.641.189 €	32.173.233 €	59.544.677 €
2.023	28.999.502 €	3.173.731 €	32.173.233 €	30.545.175 €
2.024	30.545.175 €	1.628.058 €	32.173.233 €	0 €
2.025	0 €	0 €	0 €	0 €
2.026	0 €	0 €	0 €	0 €
2.027	0 €	0 €	0 €	0 €
TOTAUX	353.946.359 €	192.998.605 €	546.944.963 €	

ANNEXE N° 5.3.8.2

ANNUITES GLOBALES (Scénario 2+5+6+7) SUR 17 ANS

Année	Principal	Intérêt	Annuités	KRD
2.008	13.402.572 €	18.999.560 €	32.402.132 €	343.061.966 €
2.009	14.116.929 €	18.285.203 €	32.402.132 €	328.945.037 €
2.010	14.869.362 €	17.532.770 €	32.402.132 €	314.075.675 €
2.011	15.661.899 €	16.740.233 €	32.402.132 €	298.413.776 €
2.012	16.496.678 €	15.905.454 €	32.402.132 €	281.917.099 €
2.013	17.375.951 €	15.026.181 €	32.402.132 €	264.541.148 €
2.014	18.302.089 €	14.100.043 €	32.402.132 €	246.239.059 €
2.015	19.277.590 €	13.124.542 €	32.402.132 €	226.961.468 €
2.016	20.305.086 €	12.097.046 €	32.402.132 €	206.656.382 €
2.017	21.387.347 €	11.014.785 €	32.402.132 €	185.269.035 €
2.018	22.527.293 €	9.874.840 €	32.402.132 €	162.741.743 €
2.019	23.727.997 €	8.674.135 €	32.402.132 €	139.013.745 €
2.020	24.992.700 €	7.409.433 €	32.402.132 €	114.021.046 €
2.021	26.324.810 €	6.077.322 €	32.402.132 €	87.696.235 €
2.022	27.727.923 €	4.674.209 €	32.402.132 €	59.968.313 €
2.023	29.205.821 €	3.196.311 €	32.402.132 €	30.762.491 €
2.024	30.762.491 €	1.639.641 €	32.402.132 €	0 €
2.025	0 €	0 €	0 €	0 €
2.026	0 €	0 €	0 €	0 €
2.027	0 €	0 €	0 €	0 €
TOTAUX	356.464.539 €	194.371.709 €	550.836.247 €	

ANNEXE N° 5.3.8.2

ANNUITES GLOBALES (Scénario 3+5+6+7) SUR 17 ANS

Année	Principal	Intérêt	Annuités	KRD
2.008	15.481.298 €	21.946.373 €	37.427.671 €	396.270.535 €
2.009	16.306.451 €	21.121.220 €	37.427.671 €	379.964.084 €
2.010	17.175.585 €	20.252.086 €	37.427.671 €	362.788.499 €
2.011	18.091.044 €	19.336.627 €	37.427.671 €	344.697.456 €
2.012	19.055.296 €	18.372.374 €	37.427.671 €	325.642.160 €
2.013	20.070.944 €	17.356.727 €	37.427.671 €	305.571.216 €
2.014	21.140.725 €	16.286.946 €	37.427.671 €	284.430.491 €
2.015	22.267.525 €	15.160.145 €	37.427.671 €	262.162.966 €
2.016	23.454.385 €	13.973.286 €	37.427.671 €	238.708.581 €
2.017	24.704.503 €	12.723.167 €	37.427.671 €	214.004.078 €
2.018	26.021.253 €	11.406.417 €	37.427.671 €	187.982.825 €
2.019	27.408.186 €	10.019.485 €	37.427.671 €	160.574.639 €
2.020	28.869.042 €	8.558.628 €	37.427.671 €	131.705.596 €
2.021	30.407.762 €	7.019.908 €	37.427.671 €	101.297.834 €
2.022	32.028.496 €	5.399.175 €	37.427.671 €	69.269.338 €
2.023	33.735.615 €	3.692.056 €	37.427.671 €	35.533.723 €
2.024	35.533.723 €	1.893.947 €	37.427.671 €	0 €
2.025	0 €	0 €	0 €	0 €
2.026	0 €	0 €	0 €	0 €
2.027	0 €	0 €	0 €	0 €
TOTAUX	411.751.833 €	224.518.567 €	636.270.401 €	

ANNEXE N° 5.3.8.2

ANNUITES GLOBALES (Scénario 4+5+6+7) SUR 17 ANS

Année	Principal	Intérêt	Annuités	KRD
2.008	15.297.963 €	21.686.476 €	36.984.439 €	391.577.760 €
2.009	16.113.344 €	20.871.095 €	36.984.439 €	375.464.416 €
2.010	16.972.186 €	20.012.253 €	36.984.439 €	358.492.230 €
2.011	17.876.803 €	19.107.636 €	36.984.439 €	340.615.427 €
2.012	18.829.637 €	18.154.802 €	36.984.439 €	321.785.790 €
2.013	19.833.256 €	17.151.183 €	36.984.439 €	301.952.534 €
2.014	20.890.369 €	16.094.070 €	36.984.439 €	281.062.165 €
2.015	22.003.826 €	14.980.613 €	36.984.439 €	259.058.340 €
2.016	23.176.629 €	13.807.810 €	36.984.439 €	235.881.710 €
2.017	24.411.944 €	12.572.495 €	36.984.439 €	211.469.766 €
2.018	25.713.100 €	11.271.339 €	36.984.439 €	185.756.666 €
2.019	27.083.609 €	9.900.830 €	36.984.439 €	158.673.057 €
2.020	28.527.165 €	8.457.274 €	36.984.439 €	130.145.892 €
2.021	30.047.663 €	6.936.776 €	36.984.439 €	100.098.229 €
2.022	31.649.203 €	5.335.236 €	36.984.439 €	68.449.026 €
2.023	33.336.106 €	3.648.333 €	36.984.439 €	35.112.920 €
2.024	35.112.920 €	1.871.519 €	36.984.439 €	0 €
2.025	0 €	0 €	0 €	0 €
2.026	0 €	0 €	0 €	0 €
2.027	0 €	0 €	0 €	0 €
TOTAUX	406.875.723 €	221.859.739 €	628.735.462 €	

A5 - ANNEXES FINANCIERES

A5.4 - Modèle financier

SCÉNARIO 1.1

Activité	0,00	17	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION
INDEXATION

SCÉNARIO 1.1

Totaux	Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028
Année exploitation	13	14	15	16	17	18	19	20	21	22	23	24
	10	11	12	13	14	15	16	17	18	19	20	21
687.226.753	40.737.932	41.155.374	41.581.165	42.015.472	42.458.465	42.910.318	43.371.208	43.841.316	0	0	0	0
129.915.474	7.758.368	7.913.536	8.071.806	8.233.243	8.397.907	8.565.866	8.737.183	8.911.926	0	0	0	0
535.563.821	31.680.836	31.917.137	32.158.163	32.404.010	32.654.774	32.910.553	33.171.447	33.437.560	0	0	0	0
337.718.951	19.865.821	19.865.821	19.865.821	19.865.821	19.865.821	19.865.821	19.865.821	19.865.821	0	0	0	0
197.844.871	11.815.016	12.051.316	12.292.342	12.538.189	12.788.953	13.044.732	13.305.627	13.571.739	0	0	0	0
21.747.458	1.298.727	1.324.702	1.351.196	1.378.220	1.405.784	1.433.900	1.462.578	1.491.830	0	0	0	0
21.747.458	1.298.727	1.324.702	1.351.196	1.378.220	1.405.784	1.433.900	1.462.578	1.491.830	0	0	0	0
516.468.958	30.903.976	31.958.707	33.057.805	34.203.399	35.397.725	36.643.135	37.942.100	39.297.217	0	0	0	0
86.064.154	5.139.630	5.242.422	5.347.271	5.454.216	5.563.300	5.674.566	5.788.058	5.903.819	0	0	0	0
18.103.684	1.081.126	1.102.749	1.124.804	1.147.300	1.170.246	1.193.651	1.217.524	1.241.874	0	0	0	0
111.780.716	6.675.386	6.808.894	6.945.072	7.083.973	7.225.653	7.370.166	7.517.569	7.667.921	0	0	0	0
81.971.187	4.895.203	4.993.107	5.092.970	5.194.829	5.298.726	5.404.700	5.512.794	5.623.050	0	0	0	0
218.549.216	13.112.631	13.811.534	14.547.689	15.323.081	16.139.801	17.000.052	17.906.155	18.860.553	0	0	0	0
170.757.795	9.833.956	9.196.668	8.523.361	7.812.073	7.060.740	6.267.183	5.429.108	4.544.099	0	0	0	0
-119.845.173	-6.792.921	-6.094.018	-5.357.863	-4.582.472	-3.765.751	-2.905.500	-1.999.397	-1.044.999	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
-119.845.173	-6.792.921	-6.094.018	-5.357.863	-4.582.472	-3.765.751	-2.905.500	-1.999.397	-1.044.999	0	0	0	0
-119.169.735	-6.753.190	-6.054.287	-5.318.132	-4.542.740	-3.726.020	-2.865.768	-1.959.666	-1.005.267	0	0	0	0
-675.438	-39.732	-39.732	-39.732	-39.732	-39.732	-39.732	-39.732	-39.732	0	0	0	0
50.912.622	3.041.034	3.102.650	3.165.497	3.229.602	3.294.989	3.361.683	3.429.711	3.499.100	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
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50.912.622	3.041.034	3.102.650	3.165.497	3.229.602	3.294.989	3.361.683	3.429.711	3.499.100	0	0	0	0
18.023.068	1.076.526	1.098.338	1.120.586	1.143.279	1.166.426	1.190.036	1.214.118	1.238.681	0	0	0	0
32.889.554	1.964.508	2.004.312	2.044.911	2.086.323	2.128.563	2.171.647	2.215.593	2.260.419	0	0	0	0

Activité 0,00

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Taux actualisation / Indexation

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Taux actualisation/ Indexation accumulé

33,20%

35,87%

38,58%

41,36%

44,18%

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Taux Actualisation/ Indexation Rémunération fixe et proportionnelle

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Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé

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35,87%

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SCÉNARIO 1.2

Activité	0,00	17	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION
INDEXATION

SCÉNARIO 1.2

Totaux	Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028
Année exploitation	13	14	15	16	17	18	19	20	21	22	23	24
	10	11	12	13	14	15	16	17	18	19	20	21
719.145.924	42.644.100	43.099.666	43.564.342	44.038.313	44.521.763	45.014.882	45.517.863	46.030.904	0	0	0	0
161.834.645	9.664.536	9.857.827	10.054.983	10.256.083	10.461.205	10.670.429	10.883.837	11.101.514	0	0	0	0
535.563.821	31.680.836	31.917.137	32.158.163	32.404.010	32.654.774	32.910.553	33.171.447	33.437.560	0	0	0	0
337.718.951	19.865.821	19.865.821	19.865.821	19.865.821	19.865.821	19.865.821	19.865.821	19.865.821	0	0	0	0
197.844.871	11.815.016	12.051.316	12.292.342	12.538.189	12.788.953	13.044.732	13.305.627	13.571.739	0	0	0	0
21.747.458	1.298.727	1.324.702	1.351.196	1.378.220	1.405.784	1.433.900	1.462.578	1.491.830	0	0	0	0
21.747.458	1.298.727	1.324.702	1.351.196	1.378.220	1.405.784	1.433.900	1.462.578	1.491.830	0	0	0	0
517.508.486	30.966.056	32.022.027	33.122.392	34.269.278	35.464.922	36.711.676	38.012.011	39.368.526	0	0	0	0
86.064.154	5.139.630	5.242.422	5.347.271	5.454.216	5.563.300	5.674.566	5.788.058	5.903.819	0	0	0	0
19.143.213	1.143.206	1.166.070	1.189.391	1.213.179	1.237.442	1.262.191	1.287.435	1.313.184	0	0	0	0
111.780.716	6.675.386	6.808.894	6.945.072	7.083.973	7.225.653	7.370.166	7.517.569	7.667.921	0	0	0	0
81.971.187	4.895.203	4.993.107	5.092.970	5.194.829	5.298.726	5.404.700	5.512.794	5.623.050	0	0	0	0
218.549.216	13.112.631	13.811.534	14.547.689	15.323.081	16.139.801	17.000.052	17.906.155	18.860.553	0	0	0	0
201.637.438	11.678.044	11.077.638	10.441.950	9.769.035	9.056.841	8.303.206	7.505.852	6.662.377	0	0	0	0
-119.845.173	-6.792.921	-6.094.018	-5.357.863	-4.582.472	-3.765.751	-2.905.500	-1.999.397	-1.044.999	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
-119.845.173	-6.792.921	-6.094.018	-5.357.863	-4.582.472	-3.765.751	-2.905.500	-1.999.397	-1.044.999	0	0	0	0
-119.169.735	-6.753.190	-6.054.287	-5.318.132	-4.542.740	-3.726.020	-2.865.768	-1.959.666	-1.005.267	0	0	0	0
-675.438	-39.732	-39.732	-39.732	-39.732	-39.732	-39.732	-39.732	-39.732	0	0	0	0
81.792.266	4.885.123	4.983.620	5.084.087	5.186.563	5.291.089	5.397.706	5.506.455	5.617.378	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
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81.792.266	4.885.123	4.983.620	5.084.087	5.186.563	5.291.089	5.397.706	5.506.455	5.617.378	0	0	0	0
28.954.462	1.729.334	1.764.201	1.799.767	1.836.043	1.873.046	1.910.788	1.949.285	1.988.552	0	0	0	0
52.837.804	3.155.789	3.219.419	3.284.320	3.350.520	3.418.044	3.486.918	3.557.170	3.628.826	0	0	0	0

Activité 0,00

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Taux actualisation / Indexation

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Taux actualisation/ Indexation accumulé

33,20%

35,87%

38,58%

41,36%

44,18%

47,07%

50,01%

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Taux Actualisation/ Indexation Rémunération fixe et proportionnelle

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Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé

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35,87%

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SCÉNARIO 2.1

Activité	0,00	17	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION
INDEXATION

SCÉNARIO 2.1

Totaux	Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028
Année exploitation	13	14	15	16	17	18	19	20	21	22	23	24
	10	11	12	13	14	15	16	17	18	19	20	21
693.312.284	41.097.869	41.517.932	41.946.396	42.383.429	42.829.203	43.283.893	43.747.677	44.220.736	0	0	0	0
129.915.474	7.758.368	7.913.536	8.071.806	8.233.243	8.397.907	8.565.866	8.737.183	8.911.926	0	0	0	0
541.649.352	32.040.773	32.279.694	32.523.393	32.771.967	33.025.512	33.284.128	33.547.916	33.816.980	0	0	0	0
341.610.234	20.094.720	20.094.720	20.094.720	20.094.720	20.094.720	20.094.720	20.094.720	20.094.720	0	0	0	0
200.039.118	11.946.053	12.184.974	12.428.674	12.677.247	12.930.792	13.189.408	13.453.196	13.722.260	0	0	0	0
21.747.458	1.298.727	1.324.702	1.351.196	1.378.220	1.405.784	1.433.900	1.462.578	1.491.830	0	0	0	0
21.747.458	1.298.727	1.324.702	1.351.196	1.378.220	1.405.784	1.433.900	1.462.578	1.491.830	0	0	0	0
521.445.945	31.201.900	32.267.620	33.378.196	34.535.779	35.742.633	37.001.134	38.313.781	39.683.202	0	0	0	0
86.912.430	5.190.287	5.294.093	5.399.975	5.507.974	5.618.134	5.730.497	5.845.107	5.962.009	0	0	0	0
18.368.245	1.096.926	1.118.864	1.141.241	1.164.066	1.187.348	1.211.094	1.235.316	1.260.023	0	0	0	0
113.126.688	6.755.766	6.890.881	7.028.699	7.169.273	7.312.658	7.458.911	7.608.090	7.760.251	0	0	0	0
81.971.187	4.895.203	4.993.107	5.092.970	5.194.829	5.298.726	5.404.700	5.512.794	5.623.050	0	0	0	0
221.067.396	13.263.718	13.970.674	14.715.311	15.499.637	16.325.768	17.195.931	18.112.474	19.077.869	0	0	0	0
171.866.339	9.895.969	9.250.312	8.568.200	7.847.650	7.086.571	6.282.759	5.433.896	4.537.534	0	0	0	0
-121.226.059	-6.871.191	-6.164.235	-5.419.598	-4.635.272	-3.809.141	-2.938.978	-2.022.435	-1.057.040	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
-121.226.059	-6.871.191	-6.164.235	-5.419.598	-4.635.272	-3.809.141	-2.938.978	-2.022.435	-1.057.040	0	0	0	0
-120.542.839	-6.831.002	-6.124.046	-5.379.409	-4.595.083	-3.768.952	-2.898.788	-1.982.245	-1.016.850	0	0	0	0
-683.220	-40.189	-40.189	-40.189	-40.189	-40.189	-40.189	-40.189	-40.189	0	0	0	0
50.640.279	3.024.777	3.086.077	3.148.602	3.212.378	3.277.429	3.343.782	3.411.461	3.480.494	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0												
0												
50.640.279	3.024.777	3.086.077	3.148.602	3.212.378	3.277.429	3.343.782	3.411.461	3.480.494	0	0	0	0
17.926.659	1.070.771	1.092.471	1.114.605	1.137.182	1.160.210	1.183.699	1.207.657	1.232.095	0	0	0	0
32.713.621	1.954.006	1.993.606	2.033.997	2.075.196	2.117.219	2.160.083	2.203.804	2.248.399	0	0	0	0

Activité 0,00

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Taux actualisation / Indexation

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Taux actualisation/ Indexation accumulé

33,20%

35,87%

38,58%

41,36%

44,18%

47,07%

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59,19%

62,37%

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Taux Actualisation/ Indexation Rémunération fixe et proportionnelle

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Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé

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SCÉNARIO 2.2

Activité	0,00	17	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION
INDEXATION

SCÉNARIO 2.2

Totaux	Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028
Année exploitation	13	14	15	16	17	18	19	20	21	22	23	24
	10	11	12	13	14	15	16	17	18	19	20	21
725.231.456	43.004.036	43.462.223	43.929.573	44.406.270	44.892.501	45.388.456	45.894.331	46.410.323	0	0	0	0
161.834.645	9.664.536	9.857.827	10.054.983	10.256.083	10.461.205	10.670.429	10.883.837	11.101.514	0	0	0	0
541.649.352	32.040.773	32.279.694	32.523.393	32.771.967	33.025.512	33.284.128	33.547.916	33.816.980	0	0	0	0
341.610.234	20.094.720	20.094.720	20.094.720	20.094.720	20.094.720	20.094.720	20.094.720	20.094.720	0	0	0	0
200.039.118	11.946.053	12.184.974	12.428.674	12.677.247	12.930.792	13.189.408	13.453.196	13.722.260	0	0	0	0
21.747.458	1.298.727	1.324.702	1.351.196	1.378.220	1.405.784	1.433.900	1.462.578	1.491.830	0	0	0	0
21.747.458	1.298.727	1.324.702	1.351.196	1.378.220	1.405.784	1.433.900	1.462.578	1.491.830	0	0	0	0
522.486.651	31.264.050	32.331.012	33.442.856	34.601.733	35.809.906	37.069.752	38.383.771	39.754.592	0	0	0	0
86.912.430	5.190.287	5.294.093	5.399.975	5.507.974	5.618.134	5.730.497	5.845.107	5.962.009	0	0	0	0
19.408.951	1.159.075	1.182.257	1.205.902	1.230.020	1.254.620	1.279.713	1.305.307	1.331.413	0	0	0	0
113.126.688	6.755.766	6.890.881	7.028.699	7.169.273	7.312.658	7.458.911	7.608.090	7.760.251	0	0	0	0
81.971.187	4.895.203	4.993.107	5.092.970	5.194.829	5.298.726	5.404.700	5.512.794	5.623.050	0	0	0	0
221.067.396	13.263.718	13.970.674	14.715.311	15.499.637	16.325.768	17.195.931	18.112.474	19.077.869	0	0	0	0
202.744.804	11.739.987	11.131.210	10.486.717	9.804.537	9.082.595	8.318.705	7.510.560	6.655.731	0	0	0	0
-121.226.059	-6.871.191	-6.164.235	-5.419.598	-4.635.272	-3.809.141	-2.938.978	-2.022.435	-1.057.040	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
-121.226.059	-6.871.191	-6.164.235	-5.419.598	-4.635.272	-3.809.141	-2.938.978	-2.022.435	-1.057.040	0	0	0	0
-120.542.839	-6.831.002	-6.124.046	-5.379.409	-4.595.083	-3.768.952	-2.898.788	-1.982.245	-1.016.850	0	0	0	0
-683.220	-40.189	-40.189	-40.189	-40.189	-40.189	-40.189	-40.189	-40.189	0	0	0	0
81.518.745	4.868.796	4.966.975	5.067.119	5.169.265	5.273.454	5.379.727	5.488.125	5.598.691	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
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81.518.745	4.868.796	4.966.975	5.067.119	5.169.265	5.273.454	5.379.727	5.488.125	5.598.691	0	0	0	0
28.857.636	1.723.554	1.758.309	1.793.760	1.829.920	1.866.803	1.904.423	1.942.796	1.981.937	0	0	0	0
52.661.109	3.145.242	3.208.666	3.273.359	3.339.345	3.406.651	3.475.303	3.545.329	3.616.755	0	0	0	0

Activité 0,00

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Taux actualisation / Indexation

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Taux actualisation/ Indexation accumulé

33,20%

35,87%

38,58%

41,36%

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Taux Actualisation/ Indexation Rémunération fixe et proportionnelle

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Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé

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SCÉNARIO 3.1

Activité	0,00	17	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION
INDEXATION

SCÉNARIO 3.1

Totaux													Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028	
Année exploitation														13	14	15	16	17	18	19	20	21	22	23	24
														10	11	12	13	14	15	16	17	18	19	20	21
	904.203.455	53.617.860	54.192.349	54.778.419	55.376.302	55.986.237	56.608.467	57.243.240	57.890.809	0	0	0	0												
	188.593.866	11.262.559	11.487.810	11.717.566	11.951.918	12.190.956	12.434.775	12.683.471	12.937.140	0	0	0	0												
	672.598.769	39.784.418	40.077.702	40.376.850	40.681.982	40.993.217	41.310.676	41.634.484	41.964.769	0	0	0	0												
	427.044.388	25.120.258	25.120.258	25.120.258	25.120.258	25.120.258	25.120.258	25.120.258	25.120.258	0	0	0	0												
	245.554.381	14.664.160	14.957.443	15.256.592	15.561.724	15.872.959	16.190.418	16.514.226	16.844.511	0	0	0	0												
	43.010.820	2.570.883	2.626.838	2.684.002	2.742.402	2.802.064	2.863.016	2.925.285	2.988.900	0	0	0	0												
	43.010.820	2.570.883	2.626.838	2.684.002	2.742.402	2.802.064	2.863.016	2.925.285	2.988.900	0	0	0	0												
	650.897.096	38.948.017	40.279.120	41.666.275	43.112.171	44.619.634	46.191.637	47.831.304	49.541.917	0	0	0	0												
	108.900.708	6.503.396	6.633.464	6.766.133	6.901.456	7.039.485	7.180.275	7.323.880	7.470.358	0	0	0	0												
	29.333.571	1.751.759	1.786.795	1.822.530	1.858.981	1.896.161	1.934.084	1.972.766	2.012.221	0	0	0	0												
	136.653.674	8.160.764	8.323.979	8.490.459	8.660.268	8.833.473	9.010.143	9.190.346	9.374.153	0	0	0	0												
	99.654.453	5.951.223	6.070.247	6.191.652	6.315.485	6.441.795	6.570.631	6.702.044	6.836.085	0	0	0	0												
	276.354.690	16.580.874	17.464.635	18.395.500	19.375.980	20.408.720	21.496.504	22.642.268	23.849.101	0	0	0	0												
	253.306.359	14.669.844	13.913.229	13.112.144	12.264.131	11.366.603	10.416.830	9.411.937	8.348.892	0	0	0	0												
	-151.543.786	-8.589.624	-7.705.864	-6.774.999	-5.794.519	-4.761.779	-3.673.994	-2.528.230	-1.321.398	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0												
	-151.543.786	-8.589.624	-7.705.864	-6.774.999	-5.794.519	-4.761.779	-3.673.994	-2.528.230	-1.321.398	0	0	0	0												
	-150.689.697	-8.539.384	-7.655.623	-6.724.758	-5.744.278	-4.711.538	-3.623.754	-2.477.990	-1.271.157	0	0	0	0												
	-854.089	-50.241	-50.241	-50.241	-50.241	-50.241	-50.241	-50.241	-50.241	0	0	0	0												
	101.762.573	6.080.219	6.207.365	6.337.145	6.469.612	6.604.824	6.742.836	6.883.706	7.027.494	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0												
	0	0	0	0	0	0	0	0	0	0	0	0	0												
	101.762.573	6.080.219	6.207.365	6.337.145	6.469.612	6.604.824	6.742.836	6.883.706	7.027.494	0	0	0	0												
	36.023.951	2.152.398	2.197.407	2.243.349	2.290.243	2.338.108	2.386.964	2.436.832	2.487.733	0	0	0	0												
	65.738.622	3.927.822	4.009.958	4.093.795	4.179.370	4.266.716	4.355.872	4.446.874	4.539.761	0	0	0	0												

Activité 0,00

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Taux actualisation / Indexation

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Taux actualisation/ Indexation accumulé

33,20%

35,87%

38,58%

41,36%

44,18%

47,07%

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Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé

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SCÉNARIO 3.2

Activité	0,00	17	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION
INDEXATION

SCÉNARIO 3.2

Totaux	Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028
Année exploitation	13	14	15	16	17	18	19	20	21	22	23	24
	10	11	12	13	14	15	16	17	18	19	20	21
905.137.737	53.674.364	54.251.360	54.840.014	55.440.562	56.053.244	56.678.305	57.315.995	57.966.570	0	0	0	0
189.528.148	11.319.063	11.546.821	11.779.162	12.016.178	12.257.963	12.504.613	12.756.226	13.012.901	0	0	0	0
672.598.769	39.784.418	40.077.702	40.376.850	40.681.982	40.993.217	41.310.676	41.634.484	41.964.769	0	0	0	0
427.044.388	25.120.258	25.120.258	25.120.258	25.120.258	25.120.258	25.120.258	25.120.258	25.120.258	0	0	0	0
245.554.381	14.664.160	14.957.443	15.256.592	15.561.724	15.872.959	16.190.418	16.514.226	16.844.511	0	0	0	0
43.010.820	2.570.883	2.626.838	2.684.002	2.742.402	2.802.064	2.863.016	2.925.285	2.988.900	0	0	0	0
43.010.820	2.570.883	2.626.838	2.684.002	2.742.402	2.802.064	2.863.016	2.925.285	2.988.900	0	0	0	0
654.116.946	39.143.052	40.483.394	41.880.079	43.335.803	44.853.404	46.435.860	48.086.304	49.808.028	0	0	0	0
108.900.708	6.503.396	6.633.464	6.766.133	6.901.456	7.039.485	7.180.275	7.323.880	7.470.358	0	0	0	0
29.655.251	1.771.237	1.807.180	1.843.852	1.881.269	1.919.444	1.958.394	1.998.135	2.038.681	0	0	0	0
136.653.674	8.160.764	8.323.979	8.490.459	8.660.268	8.833.473	9.010.143	9.190.346	9.374.153	0	0	0	0
102.552.623	6.126.781	6.254.136	6.384.134	6.516.830	6.652.281	6.790.543	6.931.675	7.075.735	0	0	0	0
276.354.690	16.580.874	17.464.635	18.395.500	19.375.980	20.408.720	21.496.504	22.642.268	23.849.101	0	0	0	0
251.020.791	14.531.312	13.767.966	12.959.936	12.104.759	11.199.840	10.242.445	9.229.692	8.158.542	0	0	0	0
-151.543.786	-8.589.624	-7.705.864	-6.774.999	-5.794.519	-4.761.779	-3.673.994	-2.528.230	-1.321.398	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
-151.543.786	-8.589.624	-7.705.864	-6.774.999	-5.794.519	-4.761.779	-3.673.994	-2.528.230	-1.321.398	0	0	0	0
-150.689.697	-8.539.384	-7.655.623	-6.724.758	-5.744.278	-4.711.538	-3.623.754	-2.477.990	-1.271.157	0	0	0	0
-854.089	-50.241	-50.241	-50.241	-50.241	-50.241	-50.241	-50.241	-50.241	0	0	0	0
99.477.004	5.941.687	6.062.102	6.184.937	6.310.240	6.438.061	6.568.451	6.701.461	6.837.144	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
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99.477.004	5.941.687	6.062.102	6.184.937	6.310.240	6.438.061	6.568.451	6.701.461	6.837.144	0	0	0	0
35.214.860	2.103.357	2.145.984	2.189.468	2.233.825	2.279.074	2.325.232	2.372.317	2.420.349	0	0	0	0
64.262.145	3.838.330	3.916.118	3.995.469	4.076.415	4.158.988	4.243.219	4.329.144	4.416.795	0	0	0	0

Activité 0,00

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Taux actualisation / Indexation

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Taux actualisation/ Indexation accumulé

33,20%

35,87%

38,58%

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Taux Actualisation/ Indexation Rémunération fixe et proportionnelle

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Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé

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SCÉNARIO 4.1

Activité	0,00	17	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION
INDEXATION

SCÉNARIO 4.1

Totaux	Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028
Année exploitation	13	14	15	16	17	18	19	20	21	22	23	24
	10	11	12	13	14	15	16	17	18	19	20	21
CHIFFRE D'AFFAIRES	896.115.000	53.142.435	53.717.951	54.305.102	54.904.122	55.515.252	56.138.737	56.774.825	57.423.773	0	0	0
Ventes Matière et Electricité	173.322.333	10.350.565	10.557.576	10.768.727	10.984.102	11.203.784	11.427.860	11.656.417	11.889.545	0	0	0
Rémunération Anueelle Fixe	663.935.756	39.273.820	39.565.756	39.863.530	40.167.260	40.477.065	40.793.066	41.115.386	41.444.154	0	0	0
Redevance financier	419.509.449	24.677.026	24.677.026	24.677.026	24.677.026	24.677.026	24.677.026	24.677.026	24.677.026	0	0	0
Exploitation	244.426.306	14.596.793	14.888.729	15.186.504	15.490.234	15.800.038	16.116.039	16.438.360	16.767.127	0	0	0
Rémunération Anueelle Proportionnelle	58.856.911	3.518.051	3.594.620	3.672.845	3.752.760	3.834.404	3.917.812	4.003.022	4.090.074	0	0	0
Exploitation	58.856.911	3.518.051	3.594.620	3.672.845	3.752.760	3.834.404	3.917.812	4.003.022	4.090.074	0	0	0
COÛTS	647.587.414	38.749.002	40.066.383	41.439.022	42.869.564	44.360.791	45.915.626	47.537.141	49.228.568	0	0	0
TOTAL PARTIE FIXE	110.527.679	6.600.557	6.732.568	6.867.219	7.004.563	7.144.655	7.287.548	7.433.299	7.581.965	0	0	0
TOTAL PARTIE PROPORTIONNELLE	20.358.585	1.215.786	1.240.102	1.264.904	1.290.202	1.316.006	1.342.326	1.369.172	1.396.556	0	0	0
GER	133.898.628	7.996.237	8.156.161	8.319.285	8.485.670	8.655.384	8.828.491	9.005.061	9.185.162	0	0	0
Evacuations	111.323.943	6.648.108	6.781.071	6.916.692	7.055.026	7.196.126	7.340.049	7.486.850	7.636.587	0	0	0
AMORTISSEMENT	271.478.580	16.288.315	17.156.482	18.070.922	19.034.103	20.048.620	21.117.212	22.242.759	23.428.298	0	0	0
Résultat d'Exploitation	248.527.586	14.393.433	13.651.568	12.866.080	12.034.559	11.154.462	10.223.111	9.237.684	8.195.205	0	0	0
Résultat Financier	-148.869.888	-8.438.066	-7.569.899	-6.655.458	-5.692.278	-4.677.760	-3.609.169	-2.483.621	-1.298.082	0	0	0
Recettes	0	0	0	0	0	0	0	0	0	0	0	0
Charges	-148.869.888	-8.438.066	-7.569.899	-6.655.458	-5.692.278	-4.677.760	-3.609.169	-2.483.621	-1.298.082	0	0	0
Intérêt	-148.030.869	-8.388.712	-7.520.545	-6.606.104	-5.642.924	-4.628.406	-3.559.815	-2.434.267	-1.248.728	0	0	0
Autres	-839.019	-49.354	-49.354	-49.354	-49.354	-49.354	-49.354	-49.354	-49.354	0	0	0
RÉSULTAT COURANT	99.657.697	5.955.367	6.081.669	6.210.622	6.342.281	6.476.701	6.613.942	6.754.063	6.897.122	0	0	0
Résultat Exceptionnel	0	0	0	0	0	0	0	0	0	0	0	0
Recettes	0											
Charges	0											
RÉSULTAT AVANT IMPÔTS	99.657.697	5.955.367	6.081.669	6.210.622	6.342.281	6.476.701	6.613.942	6.754.063	6.897.122	0	0	0
Impôts sur les bénéfices	35.278.825	2.108.200	2.152.911	2.198.560	2.245.167	2.292.752	2.341.336	2.390.938	2.441.581	0	0	0
RÉSULTAT NET	64.378.873	3.847.167	3.928.758	4.012.062	4.097.113	4.183.949	4.272.607	4.363.125	4.455.541	0	0	0

Activité 0,00

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Taux actualisation / Indexation

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Taux actualisation/ Indexation accumulé

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Taux Actualisation/ Indexation Rémunération fixe et proportionnelle

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Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé

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SCÉNARIO 4.2

Activité	0,00	17	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION
INDEXATION

SCÉNARIO 4.2

Totaux	Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028
Année exploitation	13	14	15	16	17	18	19	20	21	22	23	24
	10	11	12	13	14	15	16	17	18	19	20	21
903.312.594	53.572.758	54.157.838	54.754.762	55.363.772	55.985.110	56.619.028	57.265.778	57.925.622	0	0	0	0
180.519.927	10.780.888	10.997.462	11.218.388	11.443.751	11.673.642	11.908.150	12.147.370	12.391.395	0	0	0	0
663.935.756	39.273.820	39.565.756	39.863.530	40.167.260	40.477.065	40.793.066	41.115.386	41.444.154	0	0	0	0
419.509.449	24.677.026	24.677.026	24.677.026	24.677.026	24.677.026	24.677.026	24.677.026	24.677.026	0	0	0	0
244.426.306	14.596.793	14.888.729	15.186.504	15.490.234	15.800.038	16.116.039	16.438.360	16.767.127	0	0	0	0
58.856.911	3.518.051	3.594.620	3.672.845	3.752.760	3.834.404	3.917.812	4.003.022	4.090.074	0	0	0	0
58.856.911	3.518.051	3.594.620	3.672.845	3.752.760	3.834.404	3.917.812	4.003.022	4.090.074	0	0	0	0
650.822.428	38.944.996	40.271.736	41.654.030	43.094.531	44.596.030	46.161.458	47.793.896	49.496.583	0	0	0	0
110.527.679	6.600.557	6.732.568	6.867.219	7.004.563	7.144.655	7.287.548	7.433.299	7.581.965	0	0	0	0
20.370.818	1.216.546	1.240.933	1.265.810	1.291.185	1.317.069	1.343.472	1.370.404	1.397.876	0	0	0	0
133.898.628	7.996.237	8.156.161	8.319.285	8.485.670	8.655.384	8.828.491	9.005.061	9.185.162	0	0	0	0
114.546.724	6.843.342	6.985.592	7.130.794	7.279.010	7.430.302	7.584.735	7.742.373	7.903.282	0	0	0	0
271.478.580	16.288.315	17.156.482	18.070.922	19.034.103	20.048.620	21.117.212	22.242.759	23.428.298	0	0	0	0
252.490.166	14.627.762	13.886.102	13.100.733	12.269.240	11.389.080	10.457.570	9.471.883	8.429.039	0	0	0	0
-148.869.888	-8.438.066	-7.569.899	-6.655.458	-5.692.278	-4.677.760	-3.609.169	-2.483.621	-1.298.082	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
-148.869.888	-8.438.066	-7.569.899	-6.655.458	-5.692.278	-4.677.760	-3.609.169	-2.483.621	-1.298.082	0	0	0	0
-148.030.869	-8.388.712	-7.520.545	-6.606.104	-5.642.924	-4.628.406	-3.559.815	-2.434.267	-1.248.728	0	0	0	0
-839.019	-49.354	-49.354	-49.354	-49.354	-49.354	-49.354	-49.354	-49.354	0	0	0	0
103.620.278	6.189.697	6.316.203	6.445.274	6.576.962	6.711.320	6.848.401	6.988.261	7.130.957	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
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103.620.278	6.189.697	6.316.203	6.445.274	6.576.962	6.711.320	6.848.401	6.988.261	7.130.957	0	0	0	0
36.681.578	2.191.153	2.235.936	2.281.627	2.328.245	2.375.807	2.424.334	2.473.845	2.524.359	0	0	0	0
66.938.699	3.998.544	4.080.267	4.163.647	4.248.718	4.335.513	4.424.067	4.514.417	4.606.598	0	0	0	0

Activité 0,00

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Taux actualisation / Indexation

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Taux actualisation/ Indexation accumulé

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Taux Actualisation/ Indexation Rémunération fixe et proportionnelle

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Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé

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SCÉNARIO 5

Activité	0,00	17	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION
INDEXATION

SCÉNARIO 5

	Totaux	Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028
	Année exploitation	13	14	15	16	17	18	19	20	21	22	23	24
		10	11	12	13	14	15	16	17	18	19	20	21
CHIFFRE D'AFFAIRES	144.752.541	8.645.437	8.833.835	9.026.878	9.224.677	9.427.344	9.634.995	9.847.749	10.065.726	0	0	0	0
Ventes Matière et Electricité	0	0	0	0	0	0	0	0	0	0	0	0	0
Rémunération Anueelle Fixe	100.732.904	5.994.047	6.085.564	6.178.912	6.274.126	6.371.245	6.470.306	6.571.348	6.674.411	0	0	0	0
Redevance financier	24.109.327	1.418.196	1.418.196	1.418.196	1.418.196	1.418.196	1.418.196	1.418.196	1.418.196	0	0	0	0
Exploitation	76.623.577	4.575.852	4.667.369	4.760.716	4.855.930	4.953.049	5.052.110	5.153.152	5.256.215	0	0	0	0
Rémunération Anueelle Proportionnelle	44.019.637	2.651.389	2.748.271	2.847.966	2.950.551	3.056.099	3.164.690	3.276.401	3.391.315	0	0	0	0
Exploitation	44.019.637	2.651.389	2.748.271	2.847.966	2.950.551	3.056.099	3.164.690	3.276.401	3.391.315	0	0	0	0
COÛTS	121.010.256	7.230.929	7.406.719	7.587.687	7.774.024	7.965.932	8.163.619	8.367.304	8.577.218	0	0	0	0
TOTAL PARTIE FIXE	69.588.641	4.155.735	4.238.850	4.323.627	4.410.099	4.498.301	4.588.267	4.680.033	4.773.633	0	0	0	0
TOTAL PARTIE PROPORTIONNELLE	5.780.379	345.196	352.100	359.142	366.325	373.651	381.124	388.747	396.522	0	0	0	0
GER	7.034.935	420.116	428.519	437.089	445.831	454.747	463.842	473.119	482.582	0	0	0	0
Evacuations	23.004.349	1.373.787	1.401.263	1.429.288	1.457.874	1.487.031	1.516.772	1.547.108	1.578.050	0	0	0	0
AMORTISSEMENT	15.601.951	936.094	985.988	1.038.541	1.093.895	1.152.200	1.213.612	1.278.298	1.346.431	0	0	0	0
Résultat d'Exploitation	23.742.284	1.414.508	1.427.115	1.439.191	1.450.652	1.461.412	1.471.377	1.480.445	1.488.508	0	0	0	0
Résultat Financier	-8.555.595	-484.938	-435.044	-382.491	-327.137	-268.832	-207.420	-142.734	-74.601	0	0	0	0
Recettes	0	0	0	0	0	0	0	0	0	0	0	0	0
Charges	-8.555.595	-484.938	-435.044	-382.491	-327.137	-268.832	-207.420	-142.734	-74.601	0	0	0	0
Intérêt	-8.507.376	-482.102	-432.208	-379.655	-324.300	-265.996	-204.584	-139.898	-71.765	0	0	0	0
Autres	-48.219	-2.836	-2.836	-2.836	-2.836	-2.836	-2.836	-2.836	-2.836	0	0	0	0
RÉSULTAT COURANT	15.186.690	929.570	992.071	1.056.700	1.123.516	1.192.580	1.263.957	1.337.710	1.413.907	0	0	0	0
Résultat Exceptionnel	0	0	0	0	0	0	0	0	0	0	0	0	0
Recettes	0												
Charges	0												
RÉSULTAT AVANT IMPÔTS	15.186.690	929.570	992.071	1.056.700	1.123.516	1.192.580	1.263.957	1.337.710	1.413.907	0	0	0	0
Impôts sur les bénéfices	5.376.088	329.068	351.193	374.072	397.725	422.173	447.441	473.549	500.523	0	0	0	0
RÉSULTAT NET	9.810.602	600.502	640.878	682.628	725.791	770.407	816.516	864.161	913.384	0	0	0	0

Activité	0,00	17	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	0,00	0,00	0,00	0,00
Taux actualisation / Indexation			2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			33,20%	35,87%	38,58%	41,36%	44,18%	47,07%	50,01%	53,01%	56,07%	59,19%	62,37%	65,62%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			33,20%	35,87%	38,58%	41,36%	44,18%	47,07%	50,01%	53,01%	56,07%	59,19%	62,37%	65,62%

SCÉNARIO 6

Activité	0,00	17	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION

→

INDEXATION

SCÉNARIO 6

Totaux		Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028
Année exploitation		13	14	15	16	17	18	19	20	21	22	23	24
		10	11	12	13	14	15	16	17	18	19	20	21
CHIFFRE D'AFFAIRES		94.398.766	5.594.002	5.649.268	5.705.662	5.763.208	5.821.929	5.881.850	5.942.994	6.005.387	0	0	0
Ventes Matière et Electricité		3.256.514	194.474	198.364	202.331	206.378	210.505	214.715	219.010	223.390	0	0	0
Rémunération Anueelle Fixe		79.827.134	4.723.202	4.759.884	4.797.298	4.835.461	4.874.388	4.914.093	4.954.592	4.995.900	0	0	0
Redevance financier		49.115.463	2.889.145	2.889.145	2.889.145	2.889.145	2.889.145	2.889.145	2.889.145	2.889.145	0	0	0
Exploitation		30.711.671	1.834.058	1.870.739	1.908.153	1.946.317	1.985.243	2.024.948	2.065.447	2.106.756	0	0	0
Rémunération Anueelle Proportionnelle		11.315.118	676.325	691.020	706.032	721.369	737.036	753.042	769.393	786.097	0	0	0
Exploitation		11.315.118	676.325	691.020	706.032	721.369	737.036	753.042	769.393	786.097	0	0	0
COÛTS		66.407.557	3.974.663	4.117.660	4.266.901	4.422.692	4.585.355	4.755.225	4.932.660	5.118.031	0	0	0
TOTAL PARTIE FIXE		15.272.659	912.062	930.303	948.909	967.887	987.245	1.006.990	1.027.130	1.047.672	0	0	0
TOTAL PARTIE PROPORTIONNELLE		3.072.244	183.470	187.139	190.882	194.700	198.594	202.566	206.617	210.749	0	0	0
GER		15.439.012	921.996	940.436	959.245	978.429	997.998	1.017.958	1.038.317	1.059.084	0	0	0
Evacuations		839.385	50.127	51.129	52.152	53.195	54.259	55.344	56.451	57.580	0	0	0
AMORTISSEMENT		31.784.257	1.907.009	2.008.652	2.115.713	2.228.481	2.347.259	2.472.368	2.604.145	2.742.946	0	0	0
Résultat d'Exploitation		27.991.209	1.619.339	1.531.608	1.438.761	1.340.516	1.236.575	1.126.625	1.010.335	887.356	0	0	0
Résultat Financier		-17.429.437	-987.915	-886.271	-779.210	-666.442	-547.664	-422.555	-290.778	-151.977	0	0	0
Recettes		0	0	0	0	0	0	0	0	0	0	0	0
Charges		-17.429.437	-987.915	-886.271	-779.210	-666.442	-547.664	-422.555	-290.778	-151.977	0	0	0
Intérêt		-17.331.206	-982.136	-880.493	-773.432	-660.664	-541.886	-416.777	-285.000	-146.199	0	0	0
Autres		-98.231	-5.778	-5.778	-5.778	-5.778	-5.778	-5.778	-5.778	-5.778	0	0	0
RÉSULTAT COURANT		10.561.772	631.424	645.337	659.551	674.073	688.911	704.069	719.556	735.379	0	0	0
Résultat Exceptionnel		0	0	0	0	0	0	0	0	0	0	0	0
Recettes		0											
Charges		0											
RÉSULTAT AVANT IMPÔTS		10.561.772	631.424	645.337	659.551	674.073	688.911	704.069	719.556	735.379	0	0	0
Impôts sur les bénéfices		3.738.867	223.524	228.449	233.481	238.622	243.874	249.241	254.723	260.324	0	0	0
RÉSULTAT NET		6.822.905	407.900	416.888	426.070	435.451	445.036	454.829	464.833	475.055	0	0	0

Activité	0,00	17	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	0,00	0,00	0,00	0,00
Taux actualisation / Indexation			2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			33,20%	35,87%	38,58%	41,36%	44,18%	47,07%	50,01%	53,01%	56,07%	59,19%	62,37%	65,62%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			33,20%	35,87%	38,58%	41,36%	44,18%	47,07%	50,01%	53,01%	56,07%	59,19%	62,37%	65,62%

SCÉNARIO 7

Activité	0,00	17	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%	
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%	

ACTUALISATION
INDEXATION

SCÉNARIO 7

	Totaux	Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028
	Année exploitation	13	14	15	16	17	18	19	20	21	22	23	24
		10	11	12	13	14	15	16	17	18	19	20	21
CHIFFRE D'AFFAIRES		315.340.862	18.709.981	18.924.180	19.142.662	19.365.514	19.592.822	19.824.677	20.061.170	20.302.392	0	0	0
Ventes Matière et Electricité		80.917.323	4.832.268	4.928.913	5.027.492	5.128.042	5.230.602	5.335.214	5.441.919	5.550.757	0	0	0
Rémunération Anueelle Fixe		223.940.149	13.251.660	13.356.692	13.463.824	13.573.099	13.684.560	13.798.250	13.914.213	14.032.496	0	0	0
Redevance financier		136.001.224	8.000.072	8.000.072	8.000.072	8.000.072	8.000.072	8.000.072	8.000.072	8.000.072	0	0	0
Exploitation		87.938.926	5.251.588	5.356.620	5.463.752	5.573.027	5.684.488	5.798.178	5.914.141	6.032.424	0	0	0
Rémunération Anueelle Proportionnelle		10.483.390	626.053	638.574	651.346	664.373	677.660	691.213	705.038	719.138	0	0	0
Exploitation		10.483.390	626.053	638.574	651.346	664.373	677.660	691.213	705.038	719.138	0	0	0
COÛTS		225.733.192	13.505.105	13.951.048	14.415.283	14.898.675	15.402.132	15.926.611	16.473.115	17.042.701	0	0	0
TOTAL PARTIE FIXE		32.048.567	1.913.895	1.952.173	1.991.216	2.031.041	2.071.662	2.113.095	2.155.357	2.198.464	0	0	0
TOTAL PARTIE PROPORTIONNELLE		8.797.738	525.388	535.896	546.614	557.546	568.697	580.071	591.673	603.506	0	0	0
GER		55.890.358	3.337.693	3.404.447	3.472.536	3.541.987	3.612.826	3.685.083	3.758.785	3.833.960	0	0	0
Evacuations		40.985.593	2.447.602	2.496.554	2.546.485	2.597.414	2.649.363	2.702.350	2.756.397	2.811.525	0	0	0
AMORTISSEMENT		88.010.935	5.280.526	5.561.978	5.858.432	6.170.686	6.499.584	6.846.012	7.210.904	7.595.245	0	0	0
Résultat d'Exploitation		89.607.670	5.204.877	4.973.131	4.727.379	4.466.839	4.190.690	3.898.067	3.588.054	3.259.691	0	0	0
Résultat Financier		-48.262.291	-2.735.546	-2.454.094	-2.157.640	-1.845.386	-1.516.488	-1.170.060	-805.168	-420.827	0	0	0
Recettes		0	0	0	0	0	0	0	0	0	0	0	0
Charges		-48.262.291	-2.735.546	-2.454.094	-2.157.640	-1.845.386	-1.516.488	-1.170.060	-805.168	-420.827	0	0	0
Intérêt		-47.990.288	-2.719.546	-2.438.093	-2.141.640	-1.829.386	-1.500.488	-1.154.060	-789.168	-404.827	0	0	0
Autres		-272.002	-16.000	-16.000	-16.000	-16.000	-16.000	-16.000	-16.000	-16.000	0	0	0
RÉSULTAT COURANT		41.345.379	2.469.331	2.519.038	2.569.738	2.621.453	2.674.202	2.728.006	2.782.886	2.838.864	0	0	0
Résultat Exceptionnel		0	0	0	0	0	0	0	0	0	0	0	0
Recettes		0											
Charges		0											
RÉSULTAT AVANT IMPÔTS		41.345.379	2.469.331	2.519.038	2.569.738	2.621.453	2.674.202	2.728.006	2.782.886	2.838.864	0	0	0
Impôts sur les bénéfices		14.636.264	874.143	891.739	909.687	927.994	946.668	965.714	985.142	1.004.958	0	0	0
RÉSULTAT NET		26.709.115	1.595.188	1.627.298	1.660.051	1.693.459	1.727.535	1.762.292	1.797.745	1.833.906	0	0	0

Activité	0,00	17	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	0,00	0,00	0,00	0,00
Taux actualisation / Indexation			2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			33,20%	35,87%	38,58%	41,36%	44,18%	47,07%	50,01%	53,01%	56,07%	59,19%	62,37%	65,62%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			33,20%	35,87%	38,58%	41,36%	44,18%	47,07%	50,01%	53,01%	56,07%	59,19%	62,37%	65,62%

ESCENARIOS		GASTOS						TM INICIALES				TM FINALES							
		FIJOS		PROP. (€/Tm)	GER (20)	GER (17)	Evacuacions	Evac (€/Tm)	UVE	TMBD	Boues	Total Entradas		UVE	TMBD	Boues	Total Entradas		
		A	B	C	D	E						Tm1	Tm2	Tm3	Tm10	Tm20	Tm30		
Scénario 1	1.1	3.858.499		4.809.371	5.011.445	3.675.000	12,25	3.675.000	0	0	0,0	300.000	0	0	300.000	300.000	0	0	300.000
Scénario 1 Nominal	1.2	3.858.499		4.809.371	5.011.445	3.675.000	12,25	3.675.000	0	0	0,0	300.000	0	0	300.000	300.000	0	0	300.000
Scénario 2	2.1	3.896.530		4.867.282	5.071.789	3.675.000	12,25	3.675.000	0	0	0,0	278.000	0	22.000	300.000	278.000	0	22.000	300.000
Scénario 2 Nominal	2.2	3.896.530		4.867.282	5.071.789	3.675.000	12,25	3.675.000	0	0	0,0	278.000	0	22.000	300.000	278.000	0	22.000	300.000
Scénario 3	3.1	4.882.327		5.879.531	6.126.570	4.467.791	11,54	3.674.994	792.797	0	0,0	278.000	365.200	22.000	387.200	278.000	365.200	22.000	387.200
Scénario 3 Saturación	3.2	4.882.327		5.879.531	6.126.570	4.567.666	11,50	3.675.000	892.666	0	0,0	278.000	375.200	22.000	397.200	278.000	380.135	22.000	402.135
Scénario 4	4.1	4.955.268		5.760.995	6.003.054	4.990.967	12,89	3.675.000	1.315.967	0	0,0	278.000	365.200	22.000	387.200	278.000	365.200	22.000	387.200
Scénario 4 Saturación	4.2	4.955.268		5.760.995	6.003.054	5.101.880	12,84	3.675.000	1.426.880	0	0,0	278.000	375.200	22.000	397.200	278.000	380.135	22.000	402.135
Scénario 5	5	3.119.855		302.678	315.396	1.031.350	20,63	0	1.031.350	0	0,0	0	50.000	0	50.000	0	50.000	0	50.000
Scénario 6	6	684.716		664.264	692.175	37.632	1,12	0	37.632	0	0,0	0	33.600	0	33.600	0	33.600	0	33.600
Scénario 7	7	1.436.828		2.404.686	2.505.723	1.837.500	12,25	1.837.500	0	0	0,0	150.000	0	0	150.000	150.000	0	0	150.000

Hoja 20 años

Hoja 17 años

s/ Tm Entradas

RESULTADOS											20 AÑOS				20 AÑOS				17 AÑOS			
20 AÑOS											JP (Año 2004)											
ES	ES	TIR Acc.	VAN ACC.	TIR CFO	BDI 1ºaño	BAI / Ingresos	BDI / Ingresos	Coste/Tm (MP)	Rebaja en márg	Payback	RF RF	RF Explot.	RV	GG+BI	TIR Acc.	VAN ACC.	TIR CFO	BDI 1ºaño				
Escenarios	Escenarios	4.91%	-4.716.184	#NUM!	1.407.889	6.2%	4.0%	91.41	-12.27%	2011	18.106.408	8.667.870	650.000	1.987.839	4.91%	-4.329.003	#NUM!	1.639.623				
Escenario 1	Escenario 1	10.64%	3.712.452	-3.48%	2.404.700	10.2%	6.6%	91.41	-12.40%	2011	18.106.408	8.667.870	650.000	3.372.260	10.64%	3.396.338	#NUM!	2.636.433				
Escenario 1 Nominal	Escenario 2	4.71%	-4.975.730	#NUM!	1.399.080	6.1%	4.0%	92.43	-12.19%	2011	18.315.035	8.763.811	650.000	1.975.978	10.64%	3.684.587	#NUM!	2.636.433				
Escenario 2	Escenario 2 Nominal	10.48%	3.452.581	-3.54%	2.395.853	10.1%	6.5%	92.43	-12.32%	2011	18.315.035	8.763.811	650.000	3.360.346	10.48%	3.137.256	#NUM!	2.627.560				
Escenario 3	Escenario 3	10.29%	3.950.678	-3.52%	2.974.556	10.0%	6.5%	89.87	-10.86%	2011	22.895.488	10.761.858	1.500.000	4.172.298	10.29%	3.559.275	#NUM!	3.259.669				
Escenario 3 Saturación	Escenario 4	10.04%	3.338.303	#DIV/0!	2.918.563	9.8%	6.3%	89.87	-11.11%	2011	22.895.488	10.761.858	1.500.000	4.094.532	10.04%	3.011.010	#NUM!	3.203.696				
Escenario 4	Escenario 4 Saturación	10.21%	3.698.728	-3.54%	2.899.139	9.9%	6.4%	90.51	-9.47%	2011	22.491.511	10.716.264	2.200.000	4.066.830	10.21%	3.363.180	#NUM!	3.184.323				
Escenario 4 Saturación	Escenario 5	10.68%	4.795.006	-3.38%	3.047.184	10.3%	6.6%	90.51	-9.73%	2011	22.491.511	10.716.264	2.200.000	4.272.443	10.68%	4.382.693	#NUM!	3.332.368				
Escenario 5	Escenario 6	18.07%	1.863.829	0.87%	221.176	5.0%	3.2%	164.67	5.15%	2011	1.292.593	3.422.534	1.600.000	309.499	18.07%	2.051.1	0.82%	293.015				
Escenario 6	Escenario 7	10.30%	358.231	#NUM!	299.459	9.7%	6.2%	135.54	6.61%	2011	2.633.268	1.348.981	450.000	420.629	10.30%	361.185	#NUM!	335.130				
Escenario 7		14.87%	4.835.061	-2.45%	1.283.609	12.4%	8.0%	76.89	-13.71%	2010	7.291.547	3.841.513	400.000	1.795.825	14.87%	4.676.1	4.104.559	#NUM!	1.333.095			

PROP.				→
UVE	TMBD	Boues		
811.639	0	0		
858.244	0	0		
763.054	0	60.446		
806.242	0	63.917		
798.844	452.985	63.278		
798.845	464.172	63.278		
798.845	50.610	63.278		
798.845	50.804	63.278		
0	259.151	0		
0	137.737	0		
394.427	0	0		

PROP. (€/TM)			
UVE	TMBD	Boues	
p1	p2	p3	
2,71	0,00	0,00	
2,86	0,00	0,00	
2,74	0,00	2,75	
2,90	0,00	2,91	
2,87	1,24	2,88	
2,87	1,24	2,88	
2,87	0,14	2,88	
2,87	0,14	2,88	
0,00	5,18	0,00	
0,00	4,10	0,00	
2,63	0,00	0,00	

CANON VARIABLE EXPLOTACIÓN						TM (BASE CÁLCULO CANON VARIABLE)	
Márgen	Total Costes V. Referencia	Variable	Variable / Tm	Variable 17 años		Ini	Fin
			cv		cv17años		
-85,5%	4.486.639	650.000	2,17	975.000	3,25	300.000	300.000
-85,7%	4.533.244	650.000	2,17	975.000	3,25	300.000	300.000
-85,6%	4.498.500	650.000	2,17	975.000	3,25	300.000	300.000
-85,7%	4.545.158	650.000	2,17	975.000	3,25	300.000	300.000
-74,1%	5.782.898	1.500.000	3,83	1.900.000	4,86	391.200	402.200
-74,6%	5.893.961	1.500.000	3,83	1.900.000	4,86	391.200	402.200
-62,7%	5.903.700	2.200.000	5,62	2.600.000	6,65	391.200	402.200
-63,4%	6.014.807	2.200.000	5,62	2.600.000	6,65	391.200	402.200
-24,0%	1.290.501	1.600.000	41,72	1.700.000	44,33	38.350	50.000
-156,6%	175.369	450.000	13,76	500.000	15,29	32.700	33.600
-82,1%	2.231.927	400.000	2,67	470.000	3,13	150.000	150.000

Márgen	CANON FIJO EXPLOTACIÓN	INGRESOS			→	INGRESOS. (€/TM)		
	Fijo	UVE	TMBD	Boues		UVE	TMBD	Boues
cf						i1	i2	i3
0.0%		-5.824.478	0	0		-19,41	0,00	0,00
0.0%		-7.255.505	0	0		-24,19	0,00	0,00
0.0%		-5.397.658	0	-426.820		-19,42	0,00	-19,40
0.0%		-6.723.742	0	-531.762		-24,19	0,00	-24,17
0.0%		-6.723.719	-1.199.716	-531.761		-24,19	-3,29	-24,17
0.0%		-6.723.742	-1.232.988	-531.762		-24,19	-3,29	-24,17
0.0%		-6.700.571	-540.030	-529.929		-24,10	-1,48	-24,09
0.0%		-6.700.571	-856.750	-529.929		-24,10	-2,28	-24,09
0.0%		0	0	0		0,00	0,00	0,00
0.0%		0	-145.999	0		0,00	-4,35	0,00
0.0%		-3.627.752	0	0		-24,19	0,00	0,00

RESULTADOS					
BDI / Ingresos		Coste/Tm (M)		Rebaja en m Payback	
4.4%	99.04	-10.57%	2011	8.3%	
6.8%	99.04	-10.70%	2011	8.3%	
4.3%	100.13	-10.50%	2011	8.3%	
6.7%	100.13	-10.62%	2011	8.3%	
6.7%	97.21	-9.26%	2011	8.2%	
6.5%	97.21	-9.50%	2011	8.2%	
6.6%	97.74	-7.95%	2011	8.0%	
6.8%	97.74	-8.20%	2011	8.0%	
4.1%	170.89	6.67%	2011	3.8%	
6.5%	145.75	7.31%	2011	7.5%	
7.9%	82.75	-12.43%	2010	7.6%	

17 AÑOS				
JP (Año 2004)				
RF	RF	RF Explot.	RV	GG+BI
19.865.821	8.869.945	975.000	2.312.839	
19.865.821	8.869.945	975.000	3.697.260	
20.094.720	8.968.319	975.000	2.300.978	
20.094.720	8.968.319	975.000	3.695.346	
25.120.258	11.008.897	1.900.000	4.572.298	
25.120.258	11.008.897	1.900.000	4.494.532	
24.677.026	10.958.322	2.600.000	4.466.830	
24.677.026	10.958.322	2.600.000	4.672.443	
1.418.196	3.435.252	1.700.000	409.499	
2.889.145	1.376.891	500.000	470.629	
8.000.072	3.942.551	470.000	1.865.825	

El Canon fijo por explotación está calculado en cada uno de los escenarios (ya que el GER varía con el plazo). Lo que **SÍ** se maneja desde aquí es el **MÁRGEN**

2.974.556

OPCIÓN DEPÓSITO / AVAL

Depósito	0	4.50%	Remuneración
Aval	1	0.40%	Coste

↓

Para comparar estas 2 opciones tienen que estar **abiertos** los ficheros de las cuotas de leasing

SCÉNARIO 1.1

Activité	0,00	20	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION

→

INDEXATION

SCÉNARIO 1.1

Totaux	Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028
Année exploitation	13	14	15	16	17	18	19	20	21	22	23	24
	10	11	12	13	14	15	16	17	18	19	20	21
772.204.155	38.276.442	38.679.843	39.091.311	39.511.009	39.939.101	40.375.755	40.821.142	41.275.437	41.738.817	42.211.466	42.693.567	0
157.735.015	7.758.368	7.913.536	8.071.806	8.233.243	8.397.907	8.565.866	8.737.183	8.911.926	9.090.165	9.271.968	9.457.408	0
596.866.230	29.652.255	29.883.172	30.118.708	30.358.954	30.604.004	30.853.956	31.108.907	31.368.957	31.634.208	31.904.764	32.180.731	0
362.128.168	18.106.408	18.106.408	18.106.408	18.106.408	18.106.408	18.106.408	18.106.408	18.106.408	18.106.408	18.106.408	18.106.408	0
234.738.063	11.545.847	11.776.764	12.012.299	12.252.545	12.497.596	12.747.548	13.002.499	13.262.549	13.527.800	13.798.356	14.074.323	0
17.602.910	865.818	883.135	900.797	918.813	937.190	955.933	975.052	994.553	1.014.444	1.034.733	1.055.428	0
17.602.910	865.818	883.135	900.797	918.813	937.190	955.933	975.052	994.553	1.014.444	1.034.733	1.055.428	0
574.791.752	27.696.187	28.593.992	29.528.255	30.500.698	31.513.136	32.567.473	33.665.711	34.809.957	36.002.424	37.245.440	38.541.452	0
104.493.562	5.139.630	5.242.422	5.347.271	5.454.216	5.563.300	5.674.566	5.788.058	5.903.819	6.021.895	6.142.333	6.265.180	0
21.980.329	1.081.126	1.102.749	1.124.804	1.147.300	1.170.246	1.193.651	1.217.524	1.241.874	1.266.712	1.292.046	1.317.887	0
130.244.500	6.406.217	6.534.342	6.665.029	6.798.329	6.934.296	7.072.982	7.214.441	7.358.730	7.505.905	7.656.023	7.809.143	0
99.524.144	4.895.203	4.993.107	5.092.970	5.194.829	5.298.726	5.404.700	5.512.794	5.623.050	5.735.511	5.850.221	5.967.226	0
218.549.216	10.174.010	10.721.372	11.298.182	11.906.024	12.546.568	13.221.574	13.932.894	14.682.484	15.472.402	16.304.817	17.182.016	0
197.412.403	10.580.255	10.085.850	9.563.057	9.010.311	8.425.966	7.808.283	7.155.431	6.465.480	5.736.393	4.966.026	4.152.115	0
-144.303.208	-7.968.611	-7.421.249	-6.844.439	-6.236.597	-5.596.053	-4.921.048	-4.209.727	-3.460.137	-2.670.220	-1.837.804	-960.605	0
0	0	0	0	0	0	0	0	0	0	0	0	0
-144.303.208	-7.968.611	-7.421.249	-6.844.439	-6.236.597	-5.596.053	-4.921.048	-4.209.727	-3.460.137	-2.670.220	-1.837.804	-960.605	0
-143.578.952	-7.932.398	-7.385.036	-6.808.226	-6.200.384	-5.559.840	-4.884.835	-4.173.514	-3.423.924	-2.634.007	-1.801.592	-924.392	0
-724.256	-36.213	-36.213	-36.213	-36.213	-36.213	-36.213	-36.213	-36.213	-36.213	-36.213	-36.213	0
53.109.195	2.611.644	2.664.601	2.718.617	2.773.714	2.829.913	2.887.235	2.945.704	3.005.342	3.066.174	3.128.221	3.191.510	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0												
0												
53.109.195	2.611.644	2.664.601	2.718.617	2.773.714	2.829.913	2.887.235	2.945.704	3.005.342	3.066.174	3.128.221	3.191.510	0
18.800.655	924.522	943.269	962.391	981.895	1.001.789	1.022.081	1.042.779	1.063.891	1.085.425	1.107.390	1.129.795	0
34.308.540	1.687.122	1.721.332	1.756.227	1.791.819	1.828.124	1.865.154	1.902.925	1.941.451	1.980.748	2.020.831	2.061.715	

Activité 0,00

20

1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 0,00

Taux actualisation / Indexation

2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00%

Taux actualisation/ Indexation accumulé

33,20% 35,87% 38,58% 41,36% 44,18% 47,07% 50,01% 53,01% 56,07% 59,19% 62,37% 65,62%

Taux Actualisation/ Indexation Rémunération fixe et proportionnelle

2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00%

Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé

33,20% 35,87% 38,58% 41,36% 44,18% 47,07% 50,01% 53,01% 56,07% 59,19% 62,37% 65,62%

SCÉNARIO 1.2

Activité	0,00	20	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION

→

INDEXATION

SCÉNARIO 1.2

Totaux	Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028
Année exploitation	13	14	15	16	17	18	19	20	21	22	23	24
	10	11	12	13	14	15	16	17	18	19	20	21
810.958.361	40.182.610	40.624.134	41.074.488	41.533.850	42.002.399	42.480.319	42.967.797	43.465.024	43.972.197	44.489.513	45.017.175	0
196.489.221	9.664.536	9.857.827	10.054.983	10.256.083	10.461.205	10.670.429	10.883.837	11.101.514	11.323.544	11.550.015	11.781.016	0
596.866.230	29.652.255	29.883.172	30.118.708	30.358.954	30.604.004	30.853.956	31.108.907	31.368.957	31.634.208	31.904.764	32.180.731	0
362.128.168	18.106.408	18.106.408	18.106.408	18.106.408	18.106.408	18.106.408	18.106.408	18.106.408	18.106.408	18.106.408	18.106.408	0
234.738.063	11.545.847	11.776.764	12.012.299	12.252.545	12.497.596	12.747.548	13.002.499	13.262.549	13.527.800	13.798.356	14.074.323	0
17.602.910	865.818	883.135	900.797	918.813	937.190	955.933	975.052	994.553	1.014.444	1.034.733	1.055.428	0
17.602.910	865.818	883.135	900.797	918.813	937.190	955.933	975.052	994.553	1.014.444	1.034.733	1.055.428	0
576.053.881	27.758.266	28.657.313	29.592.842	30.566.577	31.580.332	32.636.013	33.735.622	34.881.267	36.075.160	37.319.630	38.617.126	0
104.493.562	5.139.630	5.242.422	5.347.271	5.454.216	5.563.300	5.674.566	5.788.058	5.903.819	6.021.895	6.142.333	6.265.180	0
23.242.458	1.143.206	1.166.070	1.189.391	1.213.179	1.237.442	1.262.191	1.287.435	1.313.184	1.339.448	1.366.236	1.393.561	0
130.244.500	6.406.217	6.534.342	6.665.029	6.798.329	6.934.296	7.072.982	7.214.441	7.358.730	7.505.905	7.656.023	7.809.143	0
99.524.144	4.895.203	4.993.107	5.092.970	5.194.829	5.298.726	5.404.700	5.512.794	5.623.050	5.735.511	5.850.221	5.967.226	0
218.549.216	10.174.010	10.721.372	11.298.182	11.906.024	12.546.568	13.221.574	13.932.894	14.682.484	15.472.402	16.304.817	17.182.016	0
234.904.480	12.424.343	11.966.821	11.481.647	10.967.273	10.422.066	9.844.306	9.232.174	8.583.758	7.897.037	7.169.882	6.400.049	0
-144.303.208	-7.968.611	-7.421.249	-6.844.439	-6.236.597	-5.596.053	-4.921.048	-4.209.727	-3.460.137	-2.670.220	-1.837.804	-960.605	0
0	0	0	0	0	0	0	0	0	0	0	0	0
-144.303.208	-7.968.611	-7.421.249	-6.844.439	-6.236.597	-5.596.053	-4.921.048	-4.209.727	-3.460.137	-2.670.220	-1.837.804	-960.605	0
-143.578.952	-7.932.398	-7.385.036	-6.808.226	-6.200.384	-5.559.840	-4.884.835	-4.173.514	-3.423.924	-2.634.007	-1.801.592	-924.392	0
-724.256	-36.213	-36.213	-36.213	-36.213	-36.213	-36.213	-36.213	-36.213	-36.213	-36.213	-36.213	0
90.601.272	4.455.733	4.545.572	4.637.207	4.730.676	4.826.013	4.923.258	5.022.447	5.123.621	5.226.817	5.332.078	5.439.444	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0												
0												
90.601.272	4.455.733	4.545.572	4.637.207	4.730.676	4.826.013	4.923.258	5.022.447	5.123.621	5.226.817	5.332.078	5.439.444	0
32.072.850	1.577.329	1.609.132	1.641.571	1.674.659	1.708.409	1.742.833	1.777.946	1.813.762	1.850.293	1.887.556	1.925.563	0
58.528.422	2.878.403	2.936.439	2.995.636	3.056.016	3.117.605	3.180.425	3.244.501	3.309.859	3.376.524	3.444.522	3.513.881	

Activité 0,00 20 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 0,00

Taux actualisation / Indexation 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00%

Taux actualisation/ Indexation accumulé 33,20% 35,87% 38,58% 41,36% 44,18% 47,07% 50,01% 53,01% 56,07% 59,19% 62,37% 65,62%

Taux Actualisation/ Indexation Rémunération fixe et proportionnelle 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00%

Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé 33,20% 35,87% 38,58% 41,36% 44,18% 47,07% 50,01% 53,01% 56,07% 59,19% 62,37% 65,62%

SCÉNARIO 2.1

Activité	0,00	20	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION
INDEXATION

SCÉNARIO 2.1

Totaux	Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028
Année exploitation	13	14	15	16	17	18	19	20	21	22	23	24
	10	11	12	13	14	15	16	17	18	19	20	21
778.974.907	38.612.865	39.018.821	39.432.897	39.855.254	40.286.059	40.725.479	41.173.688	41.630.861	42.097.178	42.572.821	43.057.976	0
157.735.015	7.758.368	7.913.536	8.071.806	8.233.243	8.397.907	8.565.866	8.737.183	8.911.926	9.090.165	9.271.968	9.457.408	0
603.636.983	29.988.678	30.222.151	30.460.293	30.703.199	30.950.962	31.203.680	31.461.453	31.724.382	31.992.569	32.266.119	32.545.141	0
366.300.701	18.315.035	18.315.035	18.315.035	18.315.035	18.315.035	18.315.035	18.315.035	18.315.035	18.315.035	18.315.035	18.315.035	0
237.336.282	11.673.643	11.907.116	12.145.258	12.388.164	12.635.927	12.888.645	13.146.418	13.409.347	13.677.534	13.951.084	14.230.106	0
17.602.910	865.818	883.135	900.797	918.813	937.190	955.933	975.052	994.553	1.014.444	1.034.733	1.055.428	0
17.602.910	865.818	883.135	900.797	918.813	937.190	955.933	975.052	994.553	1.014.444	1.034.733	1.055.428	0
580.229.363	27.957.010	28.863.994	29.807.832	30.790.267	31.813.133	32.878.356	33.987.961	35.144.079	36.348.946	37.604.918	38.914.469	0
105.523.484	5.190.287	5.294.093	5.399.975	5.507.974	5.618.134	5.730.497	5.845.107	5.962.009	6.081.249	6.202.874	6.326.931	0
22.301.542	1.096.926	1.118.864	1.141.241	1.164.066	1.187.348	1.211.094	1.235.316	1.260.023	1.285.223	1.310.928	1.337.146	0
131.812.798	6.483.356	6.613.023	6.745.283	6.880.189	7.017.793	7.158.149	7.301.312	7.447.338	7.596.285	7.748.210	7.903.175	0
99.524.144	4.895.203	4.993.107	5.092.970	5.194.829	5.298.726	5.404.700	5.512.794	5.623.050	5.735.511	5.850.221	5.967.226	0
221.067.396	10.291.238	10.844.906	11.428.362	12.043.208	12.691.133	13.373.916	14.093.433	14.851.659	15.650.679	16.492.685	17.379.991	0
198.745.544	10.655.855	10.154.827	9.625.065	9.064.987	8.472.926	7.847.123	7.185.727	6.486.783	5.748.232	4.967.903	4.143.507	0
-145.965.907	-8.060.427	-7.506.759	-6.923.303	-6.308.457	-5.660.532	-4.977.749	-4.258.233	-3.500.006	-2.700.987	-1.858.980	-971.674	0
0	0	0	0	0	0	0	0	0	0	0	0	0
-145.965.907	-8.060.427	-7.506.759	-6.923.303	-6.308.457	-5.660.532	-4.977.749	-4.258.233	-3.500.006	-2.700.987	-1.858.980	-971.674	0
-145.233.305	-8.023.797	-7.470.129	-6.886.673	-6.271.827	-5.623.902	-4.941.119	-4.221.602	-3.463.376	-2.664.357	-1.822.350	-935.044	0
-732.601	-36.630	-36.630	-36.630	-36.630	-36.630	-36.630	-36.630	-36.630	-36.630	-36.630	-36.630	0
52.779.637	2.595.428	2.648.069	2.701.763	2.756.531	2.812.394	2.869.374	2.927.494	2.986.777	3.047.245	3.108.922	3.171.834	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0												
0												
52.779.637	2.595.428	2.648.069	2.701.763	2.756.531	2.812.394	2.869.374	2.927.494	2.986.777	3.047.245	3.108.922	3.171.834	0
18.683.992	918.781	937.416	956.424	975.812	995.587	1.015.758	1.036.333	1.057.319	1.078.725	1.100.559	1.122.829	0
34.095.646	1.676.646	1.710.652	1.745.339	1.780.719	1.816.806	1.853.616	1.891.161	1.929.458	1.968.520	2.008.364	2.049.004	

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Taux actualisation / Indexation 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00%

Taux actualisation/ Indexation accumulé 33,20% 35,87% 38,58% 41,36% 44,18% 47,07% 50,01% 53,01% 56,07% 59,19% 62,37% 65,62%

Taux Actualisation/ Indexation Rémunération fixe et proportionnelle 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00%

Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé 33,20% 35,87% 38,58% 41,36% 44,18% 47,07% 50,01% 53,01% 56,07% 59,19% 62,37% 65,62%

SCÉNARIO 2.2

Activité	0,00	20	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION
INDEXATION

SCÉNARIO 2.2

Totaux	Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028
Année exploitation	13	14	15	16	17	18	19	20	21	22	23	24
	10	11	12	13	14	15	16	17	18	19	20	21
817.729.113	40.519.033	40.963.113	41.416.074	41.878.095	42.349.356	42.830.043	43.320.343	43.820.449	44.330.557	44.850.868	45.381.584	0
196.489.221	9.664.536	9.857.827	10.054.983	10.256.083	10.461.205	10.670.429	10.883.837	11.101.514	11.323.544	11.550.015	11.781.016	0
603.636.983	29.988.678	30.222.151	30.460.293	30.703.199	30.950.962	31.203.680	31.461.453	31.724.382	31.992.569	32.266.119	32.545.141	0
366.300.701	18.315.035	18.315.035	18.315.035	18.315.035	18.315.035	18.315.035	18.315.035	18.315.035	18.315.035	18.315.035	18.315.035	0
237.336.282	11.673.643	11.907.116	12.145.258	12.388.164	12.635.927	12.888.645	13.146.418	13.409.347	13.677.534	13.951.084	14.230.106	0
17.602.910	865.818	883.135	900.797	918.813	937.190	955.933	975.052	994.553	1.014.444	1.034.733	1.055.428	0
17.602.910	865.818	883.135	900.797	918.813	937.190	955.933	975.052	994.553	1.014.444	1.034.733	1.055.428	0
581.492.922	28.019.160	28.927.387	29.872.492	30.856.221	31.880.405	32.946.974	34.057.952	35.215.469	36.421.764	37.679.192	38.990.229	0
105.523.484	5.190.287	5.294.093	5.399.975	5.507.974	5.618.134	5.730.497	5.845.107	5.962.009	6.081.249	6.202.874	6.326.931	0
23.565.100	1.159.075	1.182.257	1.205.902	1.230.020	1.254.620	1.279.713	1.305.307	1.331.413	1.358.041	1.385.202	1.412.906	0
131.812.798	6.483.356	6.613.023	6.745.283	6.880.189	7.017.793	7.158.149	7.301.312	7.447.338	7.596.285	7.748.210	7.903.175	0
99.524.144	4.895.203	4.993.107	5.092.970	5.194.829	5.298.726	5.404.700	5.512.794	5.623.050	5.735.511	5.850.221	5.967.226	0
221.067.396	10.291.238	10.844.906	11.428.362	12.043.208	12.691.133	13.373.916	14.093.433	14.851.659	15.650.679	16.492.685	17.379.991	0
236.236.191	12.499.873	12.035.726	11.543.582	11.021.874	10.468.951	9.883.069	9.262.391	8.604.980	7.908.793	7.171.675	6.391.355	0
-145.965.907	-8.060.427	-7.506.759	-6.923.303	-6.308.457	-5.660.532	-4.977.749	-4.258.233	-3.500.006	-2.700.987	-1.858.980	-971.674	0
0	0	0	0	0	0	0	0	0	0	0	0	0
-145.965.907	-8.060.427	-7.506.759	-6.923.303	-6.308.457	-5.660.532	-4.977.749	-4.258.233	-3.500.006	-2.700.987	-1.858.980	-971.674	0
-145.233.305	-8.023.797	-7.470.129	-6.886.673	-6.271.827	-5.623.902	-4.941.119	-4.221.602	-3.463.376	-2.664.357	-1.822.350	-935.044	0
-732.601	-36.630	-36.630	-36.630	-36.630	-36.630	-36.630	-36.630	-36.630	-36.630	-36.630	-36.630	0
90.270.285	4.439.446	4.528.967	4.620.279	4.713.418	4.808.418	4.905.319	5.004.158	5.104.974	5.207.806	5.312.695	5.419.682	0
0	0	0	0	0	0	0	0	0	0	0	0	0
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90.270.285	4.439.446	4.528.967	4.620.279	4.713.418	4.808.418	4.905.319	5.004.158	5.104.974	5.207.806	5.312.695	5.419.682	0
31.955.681	1.571.564	1.603.254	1.635.579	1.668.550	1.702.180	1.736.483	1.771.472	1.807.161	1.843.563	1.880.694	1.918.567	0
58.314.604	2.867.882	2.925.713	2.984.700	3.044.868	3.106.238	3.168.836	3.232.686	3.297.813	3.364.243	3.432.001	3.501.114	

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Taux actualisation / Indexation	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé	33,20%	35,87%	38,58%	41,36%	44,18%	47,07%	50,01%	53,01%	56,07%	59,19%	62,37%	65,62%	
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé	33,20%	35,87%	38,58%	41,36%	44,18%	47,07%	50,01%	53,01%	56,07%	59,19%	62,37%	65,62%	

SCÉNARIO 3.1

Activité	0,00	20	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION
INDEXATION

SCÉNARIO 3.1

Totaux		Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028
Année exploitation		13	14	15	16	17	18	19	20	21	22	23	24
		10	11	12	13	14	15	16	17	18	19	20	21
	1.019.656.313	50.522.788	51.078.916	51.646.238	52.224.979	52.815.370	53.417.644	54.032.042	54.658.806	55.294.073	55.942.045	56.602.976	0
	228.978.546	11.262.559	11.487.810	11.717.566	11.951.918	12.190.956	12.434.775	12.683.471	12.937.140	13.195.883	13.459.800	13.728.996	0
	749.355.929	37.230.585	37.517.287	37.809.723	38.108.008	38.412.258	38.722.593	39.039.135	39.362.008	39.691.339	40.027.256	40.369.891	0
	457.909.754	22.895.488	22.895.488	22.895.488	22.895.488	22.895.488	22.895.488	22.895.488	22.895.488	22.895.488	22.895.488	22.895.488	0
	291.446.175	14.335.097	14.621.799	14.914.235	15.212.520	15.516.770	15.827.106	16.143.648	16.466.521	16.795.851	17.131.768	17.474.404	0
	41.321.838	2.029.645	2.073.819	2.118.949	2.165.054	2.212.156	2.260.276	2.309.436	2.359.658	2.406.851	2.454.988	2.504.088	0
	41.321.838	2.029.645	2.073.819	2.118.949	2.165.054	2.212.156	2.260.276	2.309.436	2.359.658	2.406.851	2.454.988	2.504.088	0
	724.409.831	34.903.079	36.035.977	37.214.928	38.442.111	39.719.816	41.050.452	42.436.551	43.880.774	45.385.918	46.954.927	48.590.893	0
	132.220.237	6.503.396	6.633.464	6.766.133	6.901.456	7.039.485	7.180.275	7.323.880	7.470.358	7.619.765	7.772.160	7.927.604	0
	35.614.936	1.751.759	1.786.795	1.822.530	1.858.981	1.896.161	1.934.084	1.972.766	2.012.221	2.052.465	2.093.515	2.135.385	0
	159.225.938	7.831.701	7.988.335	8.148.102	8.311.064	8.477.285	8.646.831	8.819.767	8.996.163	9.176.086	9.359.608	9.546.800	0
	120.994.029	5.951.223	6.070.247	6.191.652	6.315.485	6.441.795	6.570.631	6.702.044	6.836.085	6.972.806	7.112.262	7.254.508	0
	276.354.690	12.864.999	13.557.136	14.286.510	15.055.124	15.865.090	16.718.632	17.618.094	18.565.948	19.564.796	20.617.382	21.726.597	0
	295.246.482	15.619.710	15.042.939	14.431.310	13.782.869	13.095.554	12.367.192	11.595.491	10.778.033	9.908.155	8.987.118	8.012.083	0
	-182.470.883	-10.076.280	-9.384.143	-8.654.769	-7.886.154	-7.076.189	-6.222.647	-5.323.184	-4.375.331	-3.376.483	-2.323.897	-1.214.682	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	-182.470.883	-10.076.280	-9.384.143	-8.654.769	-7.886.154	-7.076.189	-6.222.647	-5.323.184	-4.375.331	-3.376.483	-2.323.897	-1.214.682	0
	-181.555.064	-10.030.489	-9.338.352	-8.608.978	-7.840.363	-7.030.398	-6.176.856	-5.277.394	-4.329.540	-3.330.692	-2.278.106	-1.168.891	0
	-915.820	-45.791	-45.791	-45.791	-45.791	-45.791	-45.791	-45.791	-45.791	-45.791	-45.791	-45.791	0
	112.775.599	5.543.430	5.658.796	5.776.541	5.896.714	6.019.365	6.144.545	6.272.306	6.402.702	6.531.671	6.663.221	6.797.401	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
	112.775.599	5.543.430	5.658.796	5.776.541	5.896.714	6.019.365	6.144.545	6.272.306	6.402.702	6.531.671	6.663.221	6.797.401	0
	39.922.562	1.962.374	2.003.214	2.044.896	2.087.437	2.130.855	2.175.169	2.220.396	2.266.556	2.312.212	2.358.780	2.406.280	0
	72.853.037	3.581.056	3.655.582	3.731.646	3.809.277	3.888.510	3.969.376	4.051.910	4.136.145	4.219.460	4.304.441	4.391.121	0

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Taux actualisation/ Indexation accumulé

33,20%

35,87%

38,58%

41,36%

44,18%

47,07%

50,01%

53,01%

56,07%

59,19%

62,37%

65,62%

Taux Actualisation/ Indexation Rémunération fixe et proportionnelle

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Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé

33,20%

35,87%

38,58%

41,36%

44,18%

47,07%

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SCÉNARIO 3.2

Activité	0,00	20	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION
INDEXATION

SCÉNARIO 3.2

Totaux	Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028
Année exploitation	13	14	15	16	17	18	19	20	21	22	23	24
	10	11	12	13	14	15	16	17	18	19	20	21
1.020.827.092	50.579.292	51.137.927	51.707.834	52.289.240	52.882.377	53.487.482	54.104.797	54.734.568	55.371.349	56.020.866	56.683.374	0
230.149.324	11.319.063	11.546.821	11.779.162	12.016.178	12.257.963	12.504.613	12.756.226	13.012.901	13.273.159	13.538.622	13.809.395	0
749.355.929	37.230.585	37.517.287	37.809.723	38.108.008	38.412.258	38.722.593	39.039.135	39.362.008	39.691.339	40.027.256	40.369.891	0
457.909.754	22.895.488	22.895.488	22.895.488	22.895.488	22.895.488	22.895.488	22.895.488	22.895.488	22.895.488	22.895.488	22.895.488	0
291.446.175	14.335.097	14.621.799	14.914.235	15.212.520	15.516.770	15.827.106	16.143.648	16.466.521	16.795.851	17.131.768	17.474.404	0
41.321.838	2.029.645	2.073.819	2.118.949	2.165.054	2.212.156	2.260.276	2.309.436	2.359.658	2.406.851	2.454.988	2.504.088	0
41.321.838	2.029.645	2.073.819	2.118.949	2.165.054	2.212.156	2.260.276	2.309.436	2.359.658	2.406.851	2.454.988	2.504.088	0
728.460.376	35.098.114	36.240.251	37.428.732	38.665.743	39.953.586	41.294.675	42.691.551	44.146.885	45.657.352	47.231.789	48.873.292	0
132.220.237	6.503.396	6.633.464	6.766.133	6.901.456	7.039.485	7.180.275	7.323.880	7.470.358	7.619.765	7.772.160	7.927.604	0
36.019.215	1.771.237	1.807.180	1.843.852	1.881.269	1.919.444	1.958.394	1.998.135	2.038.681	2.079.455	2.121.044	2.163.465	0
159.225.938	7.831.701	7.988.335	8.148.102	8.311.064	8.477.285	8.646.831	8.819.767	8.996.163	9.176.086	9.359.608	9.546.800	0
124.640.295	6.126.781	6.254.136	6.384.134	6.516.830	6.652.281	6.790.543	6.931.675	7.075.735	7.217.250	7.361.595	7.508.827	0
276.354.690	12.864.999	13.557.136	14.286.510	15.055.124	15.865.090	16.718.632	17.618.094	18.565.948	19.564.796	20.617.382	21.726.597	0
292.366.716	15.481.178	14.897.676	14.279.102	13.623.496	12.928.791	12.192.807	11.413.246	10.587.683	9.713.998	8.789.078	7.810.082	0
-182.470.883	-10.076.280	-9.384.143	-8.654.769	-7.886.154	-7.076.189	-6.222.647	-5.323.184	-4.375.331	-3.376.483	-2.323.897	-1.214.682	0
0	0	0	0	0	0	0	0	0	0	0	0	0
-182.470.883	-10.076.280	-9.384.143	-8.654.769	-7.886.154	-7.076.189	-6.222.647	-5.323.184	-4.375.331	-3.376.483	-2.323.897	-1.214.682	0
-181.555.064	-10.030.489	-9.338.352	-8.608.978	-7.840.363	-7.030.398	-6.176.856	-5.277.394	-4.329.540	-3.330.692	-2.278.106	-1.168.891	0
-915.820	-45.791	-45.791	-45.791	-45.791	-45.791	-45.791	-45.791	-45.791	-45.791	-45.791	-45.791	0
109.895.833	5.404.898	5.513.533	5.624.334	5.737.342	5.852.603	5.970.160	6.090.061	6.212.352	6.337.515	6.465.181	6.595.400	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0												
0												
109.895.833	5.404.898	5.513.533	5.624.334	5.737.342	5.852.603	5.970.160	6.090.061	6.212.352	6.337.515	6.465.181	6.595.400	0
38.903.125	1.913.334	1.951.791	1.991.014	2.031.019	2.071.821	2.113.437	2.155.882	2.199.173	2.243.480	2.288.674	2.334.772	0
70.992.708	3.491.564	3.561.743	3.633.319	3.706.323	3.780.781	3.856.724	3.934.180	4.013.179	4.094.034	4.176.507	4.260.629	

Activité 0,00 20 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 0,00

Taux actualisation / Indexation 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00%

Taux actualisation/ Indexation accumulé 33,20% 35,87% 38,58% 41,36% 44,18% 47,07% 50,01% 53,01% 56,07% 59,19% 62,37% 65,62%

Taux Actualisation/ Indexation Rémunération fixe et proportionnelle 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00%

Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé 33,20% 35,87% 38,58% 41,36% 44,18% 47,07% 50,01% 53,01% 56,07% 59,19% 62,37% 65,62%

SCÉNARIO 4.1

Activité	0,00	20	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION
INDEXATION

SCÉNARIO 4.1

Totaux		Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028
Année exploitation		13	14	15	16	17	18	19	20	21	22	23	24
		10	11	12	13	14	15	16	17	18	19	20	21
	1.011.083.828	50.093.252	50.650.540	51.219.078	51.799.095	52.390.821	52.994.493	53.610.353	54.238.645	54.873.588	55.521.230	56.181.824	0
	210.436.832	10.350.565	10.557.576	10.768.727	10.984.102	11.203.784	11.427.860	11.656.417	11.889.545	12.127.336	12.369.883	12.617.280	0
	740.041.633	36.765.875	37.051.362	37.342.559	37.639.580	37.942.542	38.251.562	38.566.763	38.888.268	39.216.204	39.550.698	39.891.881	0
	449.830.215	22.491.511	22.491.511	22.491.511	22.491.511	22.491.511	22.491.511	22.491.511	22.491.511	22.491.511	22.491.511	22.491.511	0
	290.211.418	14.274.364	14.559.852	14.851.049	15.148.070	15.451.031	15.760.052	16.075.253	16.396.758	16.724.693	17.059.187	17.400.370	0
	60.605.362	2.976.812	3.041.601	3.107.792	3.175.413	3.244.495	3.315.071	3.387.173	3.460.832	3.530.048	3.600.649	3.672.662	0
	60.605.362	2.976.812	3.041.601	3.107.792	3.175.413	3.244.495	3.315.071	3.387.173	3.460.832	3.530.048	3.600.649	3.672.662	0
	721.570.457	34.776.263	35.898.953	37.067.078	38.282.783	39.548.323	40.866.068	42.238.509	43.668.263	45.158.085	46.710.869	48.329.658	0
	134.195.601	6.600.557	6.732.568	6.867.219	7.004.563	7.144.655	7.287.548	7.433.299	7.581.965	7.733.604	7.888.276	8.046.042	0
	24.718.085	1.215.786	1.240.102	1.264.904	1.290.202	1.316.006	1.342.326	1.369.172	1.396.556	1.424.487	1.452.977	1.482.036	0
	156.015.818	7.673.808	7.827.284	7.983.830	8.143.506	8.306.376	8.472.504	8.641.954	8.814.793	8.991.089	9.170.911	9.354.329	0
	135.162.373	6.648.108	6.781.071	6.916.692	7.055.026	7.196.126	7.340.049	7.486.850	7.636.587	7.789.319	7.945.105	8.104.007	0
	271.478.580	12.638.004	13.317.929	14.034.433	14.789.486	15.585.160	16.423.642	17.307.234	18.238.363	19.219.587	20.253.601	21.343.244	0
	289.513.371	15.316.989	14.751.587	14.152.001	13.516.312	12.842.498	12.128.425	11.371.844	10.570.382	9.715.503	8.810.361	7.852.166	0
	-179.251.295	-9.898.490	-9.218.565	-8.502.061	-7.747.008	-6.951.334	-6.112.852	-5.229.260	-4.298.131	-3.316.907	-2.282.893	-1.193.250	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	-179.251.295	-9.898.490	-9.218.565	-8.502.061	-7.747.008	-6.951.334	-6.112.852	-5.229.260	-4.298.131	-3.316.907	-2.282.893	-1.193.250	0
	-178.351.635	-9.853.507	-9.173.582	-8.457.077	-7.702.025	-6.906.351	-6.067.869	-5.184.277	-4.253.148	-3.271.924	-2.237.910	-1.148.267	0
	-899.660	-44.983	-44.983	-44.983	-44.983	-44.983	-44.983	-44.983	-44.983	-44.983	-44.983	-44.983	0
	110.262.076	5.418.499	5.533.022	5.649.940	5.769.304	5.891.164	6.015.573	6.142.584	6.272.251	6.398.596	6.527.468	6.658.917	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	110.262.076	5.418.499	5.533.022	5.649.940	5.769.304	5.891.164	6.015.573	6.142.584	6.272.251	6.398.596	6.527.468	6.658.917	0
	39.032.775	1.918.149	1.958.690	2.000.079	2.042.334	2.085.472	2.129.513	2.174.475	2.220.377	2.265.103	2.310.724	2.357.256	0
	71.229.301	3.500.351	3.574.332	3.649.861	3.726.970	3.805.692	3.886.060	3.968.109	4.051.874	4.133.493	4.216.744	4.301.660	0

Activité 0,00 20 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 0,00

Taux actualisation / Indexation 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00%

Taux actualisation/ Indexation accumulé 33,20% 35,87% 38,58% 41,36% 44,18% 47,07% 50,01% 53,01% 56,07% 59,19% 62,37% 65,62%

Taux Actualisation/ Indexation Rémunération fixe et proportionnelle 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00%

Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé 33,20% 35,87% 38,58% 41,36% 44,18% 47,07% 50,01% 53,01% 56,07% 59,19% 62,37% 65,62%

SCÉNARIO 4.2

Activité	0,00	20	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION
INDEXATION

SCÉNARIO 4.2

Totaux	Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028
Année exploitation	13	14	15	16	17	18	19	20	21	22	23	24
	10	11	12	13	14	15	16	17	18	19	20	21
1.019.848.000	50.523.575	51.090.426	51.668.739	52.258.744	52.860.679	53.474.784	54.101.306	54.740.495	55.385.475	56.043.354	56.714.391	0
219.201.005	10.780.888	10.997.462	11.218.388	11.443.751	11.673.642	11.908.150	12.147.370	12.391.395	12.639.223	12.892.007	13.149.847	0
740.041.633	36.765.875	37.051.362	37.342.559	37.639.580	37.942.542	38.251.562	38.566.763	38.888.268	39.216.204	39.550.698	39.891.881	0
449.830.215	22.491.511	22.491.511	22.491.511	22.491.511	22.491.511	22.491.511	22.491.511	22.491.511	22.491.511	22.491.511	22.491.511	0
290.211.418	14.274.364	14.559.852	14.851.049	15.148.070	15.451.031	15.760.052	16.075.253	16.396.758	16.724.693	17.059.187	17.400.370	0
60.605.362	2.976.812	3.041.601	3.107.792	3.175.413	3.244.495	3.315.071	3.387.173	3.460.832	3.530.048	3.600.649	3.672.662	0
60.605.362	2.976.812	3.041.601	3.107.792	3.175.413	3.244.495	3.315.071	3.387.173	3.460.832	3.530.048	3.600.649	3.672.662	0
725.642.109	34.972.256	36.104.305	37.282.086	38.507.751	39.783.563	41.111.900	42.495.263	43.936.278	45.431.461	46.989.712	48.614.078	0
134.195.601	6.600.557	6.732.568	6.867.219	7.004.563	7.144.655	7.287.548	7.433.299	7.581.965	7.733.604	7.888.276	8.046.042	0
24.734.439	1.216.546	1.240.933	1.265.810	1.291.185	1.317.069	1.343.472	1.370.404	1.397.876	1.425.833	1.454.350	1.483.437	0
156.015.818	7.673.808	7.827.284	7.983.830	8.143.506	8.306.376	8.472.504	8.641.954	8.814.793	8.991.089	9.170.911	9.354.329	0
139.217.672	6.843.342	6.985.592	7.130.794	7.279.010	7.430.302	7.584.735	7.742.373	7.903.282	8.061.347	8.222.574	8.387.026	0
271.478.580	12.638.004	13.317.929	14.034.433	14.789.486	15.585.160	16.423.642	17.307.234	18.238.363	19.219.587	20.253.601	21.343.244	0
294.205.891	15.551.319	14.986.121	14.386.653	13.750.994	13.077.116	12.362.884	11.606.043	10.804.217	9.954.014	9.053.642	8.100.313	0
-179.251.295	-9.898.490	-9.218.565	-8.502.061	-7.747.008	-6.951.334	-6.112.852	-5.229.260	-4.298.131	-3.316.907	-2.282.893	-1.193.250	0
0	0	0	0	0	0	0	0	0	0	0	0	0
-179.251.295	-9.898.490	-9.218.565	-8.502.061	-7.747.008	-6.951.334	-6.112.852	-5.229.260	-4.298.131	-3.316.907	-2.282.893	-1.193.250	0
-178.351.635	-9.853.507	-9.173.582	-8.457.077	-7.702.025	-6.906.351	-6.067.869	-5.184.277	-4.253.148	-3.271.924	-2.237.910	-1.148.267	0
-899.660	-44.983	-44.983	-44.983	-44.983	-44.983	-44.983	-44.983	-44.983	-44.983	-44.983	-44.983	0
114.954.596	5.652.829	5.767.556	5.884.592	6.003.986	6.125.783	6.250.032	6.376.783	6.506.086	6.637.107	6.770.749	6.907.064	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0												
0												
114.954.596	5.652.829	5.767.556	5.884.592	6.003.986	6.125.783	6.250.032	6.376.783	6.506.086	6.637.107	6.770.749	6.907.064	0
40.693.927	2.001.101	2.041.715	2.083.146	2.125.411	2.168.527	2.212.511	2.257.381	2.303.154	2.349.536	2.396.845	2.445.101	0
74.260.669	3.651.728	3.725.841	3.801.447	3.878.575	3.957.256	4.037.521	4.119.402	4.202.931	4.287.571	4.373.904	4.461.963	0

Activité 0,00 20 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 1,00 0,00

Taux actualisation / Indexation 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00%

Taux actualisation/ Indexation accumulé 33,20% 35,87% 38,58% 41,36% 44,18% 47,07% 50,01% 53,01% 56,07% 59,19% 62,37% 65,62%

Taux Actualisation/ Indexation Rémunération fixe et proportionnelle 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00% 2,00%

Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé 33,20% 35,87% 38,58% 41,36% 44,18% 47,07% 50,01% 53,01% 56,07% 59,19% 62,37% 65,62%

SCÉNARIO 5

Activité	0,00	20	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION
INDEXATION

SCÉNARIO 5

	Totaux	Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028
	Année exploitation	13	14	15	16	17	18	19	20	21	22	23	24
		10	11	12	13	14	15	16	17	18	19	20	21
CHIFFRE D'AFFAIRES	169.932.757	8.346.930	8.529.291	8.716.124	8.907.536	9.103.635	9.304.532	9.510.340	9.721.176	9.889.747	10.061.690	10.237.072	0
Ventes Matière et Electricité	0	0	0	0	0	0	0	0	0	0	0	0	0
Rémunération Anueelle Fixe	118.538.880	5.851.505	5.942.683	6.035.685	6.130.547	6.227.306	6.326.000	6.426.668	6.529.350	6.634.085	6.740.915	6.849.881	0
Redevance financier	25.851.870	1.292.593	1.292.593	1.292.593	1.292.593	1.292.593	1.292.593	1.292.593	1.292.593	1.292.593	1.292.593	1.292.593	0
Exploitation	92.687.010	4.558.911	4.650.090	4.743.091	4.837.953	4.934.712	5.033.407	5.134.075	5.236.756	5.341.491	5.448.321	5.557.288	0
Rémunération Anueelle Proportionnelle	51.393.877	2.495.425	2.586.608	2.680.439	2.776.989	2.876.329	2.978.531	3.083.672	3.191.826	3.255.663	3.320.776	3.387.191	0
Exploitation	51.393.877	2.495.425	2.586.608	2.680.439	2.776.989	2.876.329	2.978.531	3.083.672	3.191.826	3.255.663	3.320.776	3.387.191	0
COÛTS	143.237.528	7.004.204	7.168.838	7.338.085	7.512.108	7.691.079	7.875.174	8.064.581	8.259.492	8.460.109	8.666.645	8.879.321	0
TOTAL PARTIE FIXE	84.490.054	4.155.735	4.238.850	4.323.627	4.410.099	4.498.301	4.588.267	4.680.033	4.773.633	4.869.106	4.966.488	5.065.818	0
TOTAL PARTIE PROPORTIONNELLE	7.018.165	345.196	352.100	359.142	366.325	373.651	381.124	388.747	396.522	404.452	412.541	420.792	0
GER	8.196.956	403.176	411.240	419.465	427.854	436.411	445.139	454.042	463.123	472.385	481.833	491.470	0
Evacuations	27.930.402	1.373.787	1.401.263	1.429.288	1.457.874	1.487.031	1.516.772	1.547.108	1.578.050	1.609.611	1.641.803	1.674.639	0
AMORTISSEMENT	15.601.951	726.310	765.385	806.563	849.956	895.684	943.871	994.652	1.048.164	1.104.555	1.163.980	1.226.602	0
Résultat d'Exploitation	26.695.229	1.342.726	1.360.453	1.378.039	1.395.428	1.412.556	1.429.357	1.445.759	1.461.684	1.429.638	1.395.045	1.357.751	0
Résultat Financier	-10.301.623	-568.869	-529.794	-488.616	-445.223	-399.495	-351.307	-300.527	-247.015	-190.624	-131.199	-68.576	0
Recettes	0	0	0	0	0	0	0	0	0	0	0	0	0
Charges	-10.301.623	-568.869	-529.794	-488.616	-445.223	-399.495	-351.307	-300.527	-247.015	-190.624	-131.199	-68.576	0
Intérêt	-10.249.919	-566.284	-527.208	-486.031	-442.638	-396.910	-348.722	-297.942	-244.430	-188.038	-128.613	-65.991	0
Autres	-51.704	-2.585	-2.585	-2.585	-2.585	-2.585	-2.585	-2.585	-2.585	-2.585	-2.585	-2.585	0
RÉSULTAT COURANT	16.393.606	773.857	830.659	889.424	950.205	1.013.061	1.078.050	1.145.232	1.214.669	1.239.014	1.263.846	1.289.175	0
Résultat Exceptionnel	0	0	0	0	0	0	0	0	0	0	0	0	0
Recettes	0												
Charges	0												
RÉSULTAT AVANT IMPÔTS	16.393.606	773.857	830.659	889.424	950.205	1.013.061	1.078.050	1.145.232	1.214.669	1.239.014	1.263.846	1.289.175	0
Impôts sur les bénéfices	5.803.337	273.945	294.053	314.856	336.373	358.624	381.630	405.412	429.993	438.611	447.402	456.368	0
RÉSULTAT NET	10.590.269	499.912	536.606	574.568	613.832	654.437	696.420	739.820	784.676	800.403	816.445	832.807	0

Activité	0,00	20	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	0,00
Taux actualisation / Indexation			2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			33,20%	35,87%	38,58%	41,36%	44,18%	47,07%	50,01%	53,01%	56,07%	59,19%	65,62%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			33,20%	35,87%	38,58%	41,36%	44,18%	47,07%	50,01%	53,01%	56,07%	59,19%	65,62%

SCÉNARIO 6

Activité	0,00	20	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION
INDEXATION

SCÉNARIO 6

	Totaux	Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028
	Année exploitation	13	14	15	16	17	18	19	20	21	22	23	24
		10	11	12	13	14	15	16	17	18	19	20	21
CHIFFRE D'AFFAIRES	105.543.608	5.233.316	5.286.368	5.340.503	5.395.742	5.452.107	5.509.623	5.568.311	5.628.196	5.688.095	5.749.191	5.811.510	0
Ventes Matière et Electricité	3.953.850	194.474	198.364	202.331	206.378	210.505	214.715	219.010	223.390	227.858	232.415	237.063	0
Rémunération Anueelle Fixe	89.197.654	4.430.149	4.466.086	4.502.743	4.540.132	4.578.269	4.617.169	4.656.847	4.697.319	4.738.600	4.780.707	4.823.655	0
Redevance financier	52.665.367	2.633.268	2.633.268	2.633.268	2.633.268	2.633.268	2.633.268	2.633.268	2.633.268	2.633.268	2.633.268	2.633.268	0
Exploitation	36.532.287	1.796.880	1.832.818	1.869.474	1.906.864	1.945.001	1.983.901	2.023.579	2.064.051	2.105.332	2.147.438	2.190.387	0
Rémunération Anueelle Proportionnelle	12.392.104	608.693	621.918	635.429	649.232	663.333	677.738	692.454	707.487	721.637	736.070	750.791	0
Exploitation	12.392.104	608.693	621.918	635.429	649.232	663.333	677.738	692.454	707.487	721.637	736.070	750.791	0
COÛTS	73.065.793	3.510.114	3.630.328	3.755.636	3.886.287	4.022.538	4.164.663	4.312.949	4.467.697	4.629.225	4.797.866	4.973.972	0
TOTAL PARTIE FIXE	18.543.081	912.062	930.303	948.909	967.887	987.245	1.006.990	1.027.130	1.047.672	1.068.626	1.089.998	1.111.798	0
TOTAL PARTIE PROPORTIONNELLE	3.730.122	183.470	187.139	190.882	194.700	198.594	202.566	206.617	210.749	214.964	219.264	223.649	0
GER	17.989.207	884.819	902.515	920.565	938.977	957.756	976.911	996.450	1.016.379	1.036.706	1.057.440	1.078.589	0
Evacuations	1.019.127	50.127	51.129	52.152	53.195	54.259	55.344	56.451	57.580	58.732	59.906	61.104	0
AMORTISSEMENT	31.784.257	1.479.636	1.559.241	1.643.128	1.731.528	1.824.684	1.922.852	2.026.302	2.135.317	2.250.197	2.371.258	2.498.831	0
Résultat d'Exploitation	32.477.815	1.723.202	1.656.041	1.584.867	1.509.455	1.429.569	1.344.959	1.255.362	1.160.499	1.058.870	951.325	837.538	0
Résultat Financier	-20.986.441	-1.158.899	-1.079.294	-995.407	-907.007	-813.850	-715.682	-612.233	-503.218	-388.338	-267.277	-139.704	0
Recettes	0	0	0	0	0	0	0	0	0	0	0	0	0
Charges	-20.986.441	-1.158.899	-1.079.294	-995.407	-907.007	-813.850	-715.682	-612.233	-503.218	-388.338	-267.277	-139.704	0
Intérêt	-20.881.110	-1.153.632	-1.074.028	-990.140	-901.740	-808.584	-710.416	-606.966	-497.951	-383.071	-262.011	-134.437	0
Autres	-105.331	-5.267	-5.267	-5.267	-5.267	-5.267	-5.267	-5.267	-5.267	-5.267	-5.267	-5.267	0
RÉSULTAT COURANT	11.491.374	564.303	576.747	589.460	602.448	615.719	629.277	643.129	657.281	670.532	684.048	697.834	0
Résultat Exceptionnel	0	0	0	0	0	0	0	0	0	0	0	0	0
Recettes	0												
Charges	0												
RÉSULTAT AVANT IMPÔTS	11.491.374	564.303	576.747	589.460	602.448	615.719	629.277	643.129	657.281	670.532	684.048	697.834	0
Impôts sur les bénéfices	4.067.947	199.763	204.168	208.669	213.267	217.964	222.764	227.668	232.678	237.368	242.153	247.033	0
RÉSULTAT NET	7.423.428	364.540	372.578	380.791	389.182	397.754	406.513	415.461	424.604	433.164	441.895	450.801	0

Activité	0,00	20	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	0,00
Taux actualisation / Indexation			2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			33,20%	35,87%	38,58%	41,36%	44,18%	47,07%	50,01%	53,01%	56,07%	59,19%	65,62%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			33,20%	35,87%	38,58%	41,36%	44,18%	47,07%	50,01%	53,01%	56,07%	59,19%	65,62%

SCÉNARIO 7

Activité	0,00	20	0,00	0,00	0,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Taux actualisation / Indexation			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			3,00%	3,00%	3,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			3,00%	6,09%	9,27%	11,46%	13,69%	15,96%	18,28%	20,65%	23,06%	25,52%	28,03%	30,59%

ACTUALISATION

→

INDEXATION

SCÉNARIO 7

	Totaux													
	Année 2017	Année 2018	Année 2019	Année 2020	Année 2021	Année 2022	Année 2023	Année 2024	Année 2025	Année 2026	Année 2027	Année 2028		
	13	14	15	16	17	18	19	20	21	22	23	24		
Année exploitation	10	11	12	13	14	15	16	17	18	19	20	21		
CHIFFRE D'AFFAIRES	358.941.676	17.773.630	17.983.272	18.197.107	18.415.218	18.637.691	18.864.614	19.096.075	19.332.166	19.572.978	19.818.607	20.069.148	0	
Ventes Matière et Electricité	98.244.610	4.832.268	4.928.913	5.027.492	5.128.042	5.230.602	5.335.214	5.441.919	5.550.757	5.661.772	5.775.008	5.890.508	0	
Rémunération Anueelle Fixe	249.864.506	12.408.551	12.510.891	12.615.278	12.721.753	12.830.357	12.941.133	13.054.125	13.169.376	13.286.933	13.406.841	13.529.146	0	
Redevance financier	145.830.946	7.291.547	7.291.547	7.291.547	7.291.547	7.291.547	7.291.547	7.291.547	7.291.547	7.291.547	7.291.547	7.291.547	0	
Exploitation	104.033.560	5.117.004	5.219.344	5.323.731	5.430.205	5.538.810	5.649.586	5.762.577	5.877.829	5.995.386	6.115.293	6.237.599	0	
Rémunération Anueelle Proportionnelle	10.832.560	532.811	543.467	554.337	565.424	576.732	588.267	600.032	612.033	624.273	636.759	649.494	0	
Exploitation	10.832.560	532.811	543.467	554.337	565.424	576.732	588.267	600.032	612.033	624.273	636.759	649.494	0	
COÛTS	252.488.215	12.187.122	12.569.348	12.966.668	13.379.786	13.809.440	14.256.405	14.721.498	15.205.575	15.709.536	16.234.328	16.780.947	0	
TOTAL PARTIE FIXE	38.911.310	1.913.895	1.952.173	1.991.216	2.031.041	2.071.662	2.113.095	2.155.357	2.198.464	2.242.433	2.287.282	2.333.027	0	
TOTAL PARTIE PROPORTIONNELLE	10.681.647	525.388	535.896	546.614	557.546	568.697	580.071	591.673	603.506	615.576	627.888	640.446	0	
GER	65.122.250	3.203.109	3.267.171	3.332.514	3.399.165	3.467.148	3.536.491	3.607.221	3.679.365	3.752.952	3.828.011	3.904.572	0	
Evacuations	49.762.072	2.447.602	2.496.554	2.546.485	2.597.414	2.649.363	2.702.350	2.756.397	2.811.525	2.867.755	2.925.111	2.983.613	0	
AMORTISSEMENT	88.010.935	4.097.128	4.317.554	4.549.838	4.794.619	5.052.570	5.324.398	5.610.851	5.912.715	6.230.819	6.566.037	6.919.290	0	
Résultat d'Exploitation	106.453.461	5.586.508	5.413.924	5.230.439	5.035.432	4.828.252	4.608.209	4.374.577	4.126.591	3.863.442	3.584.279	3.288.201	0	
Résultat Financier	-58.111.672	-3.209.002	-2.988.577	-2.756.292	-2.511.511	-2.253.560	-1.981.732	-1.695.280	-1.393.416	-1.075.312	-740.094	-386.841	0	
Recettes	0	0	0	0	0	0	0	0	0	0	0	0	0	
Charges	-58.111.672	-3.209.002	-2.988.577	-2.756.292	-2.511.511	-2.253.560	-1.981.732	-1.695.280	-1.393.416	-1.075.312	-740.094	-386.841	0	
Intérêt	-57.820.010	-3.194.419	-2.973.994	-2.741.709	-2.496.928	-2.238.977	-1.967.149	-1.680.696	-1.378.833	-1.060.729	-725.511	-372.258	0	
Autres	-291.662	-14.583	-14.583	-14.583	-14.583	-14.583	-14.583	-14.583	-14.583	-14.583	-14.583	-14.583	0	
RÉSULTAT COURANT	48.341.789	2.377.506	2.425.348	2.474.146	2.523.921	2.574.691	2.626.477	2.679.298	2.733.175	2.788.131	2.844.185	2.901.360	0	
Résultat Exceptionnel	0	0	0	0	0	0	0	0	0	0	0	0	0	
Recettes	0													
Charges	0													
RÉSULTAT AVANT IMPÔTS	48.341.789	2.377.506	2.425.348	2.474.146	2.523.921	2.574.691	2.626.477	2.679.298	2.733.175	2.788.131	2.844.185	2.901.360	0	
Impôts sur les bénéfices	17.112.993	841.637	858.573	875.848	893.468	911.441	929.773	948.471	967.544	986.998	1.006.841	1.027.082	0	
RÉSULTAT NET	31.228.796	1.535.869	1.566.775	1.598.299	1.630.453	1.663.250	1.696.704	1.730.826	1.765.631	1.801.132	1.837.343	1.874.279	0	

Activité	0,00	20	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00	0,00
Taux actualisation / Indexation			2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation accumulé			33,20%	35,87%	38,58%	41,36%	44,18%	47,07%	50,01%	53,01%	56,07%	59,19%	62,37%	65,62%
Taux Actualisation/ Indexation Rémunération fixe et proportionnelle			2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%	2,00%
Taux actualisation/ Indexation Rémunération fixe et proportionnelle accumulé			33,20%	35,87%	38,58%	41,36%	44,18%	47,07%	50,01%	53,01%	56,07%	59,19%	62,37%	65,62%