

SIMULACIONES

VIA SAN ANTONIO - SAN MIGUEL
 FLUJOS DEL ANÁLISIS DE SENSIBILIDAD

Año	COSTOS				INGRESOS					Beneficio Neto
	Capital	Mantenimiento rutinario (incremental)	Especial	Total	TM VOC	Tiempo TM	TNM	Beneficios exógenos netos	Total	
								Beneficios exógenos netos	Total	
2023	5,455,590.85	0	0	5,455,591	0	0	0	0	0	-5,455,591
2024			0	0	349,267	36,964	0	6,075,000	6461231	6,461,231
2025			0	0	130,221	7,930	0	0	138151	138,151
2026		9,108	0	9,108	135,947	8,594	0	0	144541	135,433
2027		9,108	0	9,108	142,034	9,298	0	0	151332	142,224
2028		9,108	0	9,108	148,501	10,043	0	0	158544	149,436
2029		9,108	0	9,108	155,368	10,831	0	0	166199	157,091
2030		9,108	0	9,108	161,585	11,546	0	0	173131	164,023
2031		9,108	0	9,108	168,122	12,296	0	0	180418	171,310
2032		9,108	0	9,108	174,990	13,081	0	0	188071	178,963
2033		9,108	0	9,108	182,202	13,903	0	0	196105	186,997
2034		9,108	0	9,108	189,772	14,762	0	0	204534	195,426
2035		9,108	0	9,108	196,706	15,696	0	0	212402	203,294
2036		9,108	0	9,108	203,932	16,678	0	0	220610	211,502
2037		9,108	0	9,108	211,461	17,710	0	0	229171	220,063
2038		9,108	0	9,108	219,303	18,795	0	0	238098	228,990
2039		9,108	0	9,108	227,466	19,933	0	0	247399	238,291
2040		9,108	0	9,108	235,414	20,650	0	0	256064	246,956
2041		9,108	0	9,108	243,653	21,383	0	0	265036	255,928
2042		9,108	0	9,108	252,192	22,134	0	0	274326	269,404
VA	5,455,591	64,846	0	5,507,285	1,395,898	112,682	0	5,424,107	6,932,687	1,472,331

Tir 28.40%
 VAN 1,472,331
 B / C 1.26

VIA SAN ANTONIO - SAN MIGUEL
 FLUJOS DEL ANÁLISIS DE SENSIBILIDAD

Año	COSTOS				INGRESOS					Beneficio Neto
	Capital	Mantenimiento rutinario (incremental)	Especial	Total	TM VOC	Tiempo TM	TNM	Beneficios exógenos netos	Total	
								Beneficios exógenos netos	Total	
2023	6,819,489	0	0	6,819,489	0	0	0	0	0	-6,819,489
2024	0	0	0	0	349,267	36,964	0	6,075,000	6,461,231	6,461,231
2025	0	0	0	0	130,221	7,930	0	0	138,151	138,151
2026	0	11385	0	11,385	135,947	8,594	0	0	144541	133,156
2027	0	11385	0	11,385	142,034	9,298	0	0	151332	139,947
2028	0	11385	0	11,385	148,501	10,043	0	0	158544	147,159
2029	0	11385	0	11,385	155,368	10,831	0	0	166199	154,814
2030	0	11385	0	11,385	161,585	11,546	0	0	173131	161,746
2031	0	11385	0	11,385	168,122	12,296	0	0	180418	169,033
2032	0	11385	0	11,385	174,990	13,081	0	0	188071	176,686
2033	0	11385	0	11,385	182,202	13,903	0	0	196105	184,720
2034	0	11385	0	11,385	189,772	14,762	0	0	204534	193,149
2035	0	11385	0	11,385	196,706	15,696	0	0	212402	201,017
2036	0	11385	0	11,385	203,932	16,678	0	0	220610	209,225
2037	0	11385	0	11,385	211,461	17,710	0	0	229171	217,786
2038	0	11385	0	11,385	219,303	18,795	0	0	238098	226,713
2039	0	11385	0	11,385	227,466	19,933	0	0	247399	236,014
2040	0	11385	0	11,385	235,414	20,650	0	0	256064	244,679
2041	0	11385	0	11,385	243,653	21,383	0	0	265036	253,651
2042	0	11385	0	11,385	252,192	22,134	0	0	274326	262,941
VA	6,819,489	64,618	0	6,884,107	1,395,898	112,682	0	5,424,107	6,932,687	48,581

Tir 12.36%
 VAN 48,581
 B / C 1.01

VIA SAN ANTONIO - SAN MIGUEL										
FLUJOS DEL ANÁLISIS DE SENSIBILIDAD										
DISMINUYEN LOS INGRESOS EN 25%										
Año	COSTOS				INGRESOS					Beneficio Neto
	Capital	Mantenimiento rutinario (incremental)	Especial	Total	TM VOC	Tiempo TM	TNM	Beneficios exógenos netos	Total	
2023	5,455,591	0	0	5,455,591	0	0	0	0	0	-5,455,591
2024			0	0	261950.25	27723	0	4556250	4845923.25	4,845,923
2025			0	0	97665.75	5947.5	0	0	103613.25	103,613
2026		9,108	0	9,108	101960.25	6445.5	0	0	108405.75	99,298
2027		9,108	0	9,108	106525.5	6973.5	0	0	113499	104,391
2028		9,108	0	9,108	111375.75	7532.25	0	0	118908	109,800
2029		9,108	0	9,108	116526	8123.25	0	0	124649.25	115,541
2030		9,108	0	9,108	121188.75	8659.5	0	0	129848.25	120,740
2031		9,108	0	9,108	126091.5	9222	0	0	135313.5	126,205
2032		9,108	0	9,108	131242.5	9810.75	0	0	141053.25	131,945
2033		9,108	0	9,108	136651.5	10427.25	0	0	147078.75	137,971
2034		9,108	0	9,108	142329	11071.5	0	0	153400.5	144,292
2035		9,108	0	9,108	147529.5	11772	0	0	159301.5	150,193
2036		9,108	0	9,108	152949	12508.5	0	0	165457.5	156,349
2037		9,108	0	9,108	158595.75	13282.5	0	0	171878.25	162,770
2038		9,108	0	9,108	164477.25	14096.25	0	0	178573.5	169,465
2039		9,108	0	9,108	170599.5	14949.75	0	0	185549.25	176,441
2040		9,108	0	9,108	176560.5	15487.5	0	0	192048	182,940
2041		9,108	0	9,108	182739.75	16037.25	0	0	198777	189,669
2042		9,108	0	9,108	189144	16600.5	0	0	205744.5	196,636
VA	5,455,591	64,846	0	5,507,285	1,046,924	84,511	0	4,068,080	5,199,516	-307,770

Tir 9.29%
VAN -307,770
B / C 0.94

VIA SAN ANTONIO - SAN MIGUEL										
FLUJOS DEL ANÁLISIS DE SENSIBILIDAD										
SUBE LA TASA DE DSCUENTO EN 25%										
Año	COSTOS				INGRESOS					Beneficio Neto
	Capital	Mantenimiento rutinario (incremental)	Especial	Total	TM VOC	Tiempo TM	TNM	Beneficios exógenos netos	Total	
2023	5,455,591	0	0	5,455,591	0	0	0	0	0	-5,455,591
2024			0	0	349,267	36,964	0	6,075,000	6461231	6,461,231
2025			0	0	130,221	7,930	0	0	138151	138,151
2026		9,108	0	9,108	135,947	8,594	0	0	144541	135,433
2027		9,108	0	9,108	142,034	9,298	0	0	151332	142,224
2028		9,108	0	9,108	148,501	10,043	0	0	158544	149,436
2029		9,108	0	9,108	155,368	10,831	0	0	166199	157,091
2030		9,108	0	9,108	161,585	11,546	0	0	173131	164,023
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2032		9,108	0	9,108	174,990	13,081	0	0	188071	178,963
2033		9,108	0	9,108	182,202	13,903	0	0	196105	186,997
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2040		9,108	0	9,108	235,414	20,650	0	0	256064	246,956
2041		9,108	0	9,108	243,653	21,383	0	0	265036	255,928
2042		9,108	0	9,108	252,192	22,134	0	0	274326	269,404
VA	5,455,591	55,078	0	5,497,237	1,175,389	95,259	0	5,282,609	6,553,257	1,084,419

Tir 28.40%
VAN 1,084,419
B / C 1.19

VIA SAN ANTONIO - SAN MIGUEL			
RESUMEN INDICES DEL ANÁLISIS DE SENSIBILIDAD			
SUPUESTOS	TIRE	VANE	B/C
SUBEN LOS COSTOS EN UN 25%	12.36%	48581.00	0.01
BAJAN LOS INGRESOS EN UN 25%	9.29%	-307770.00	0.94
SUBE LA TASA DE DESCUENTO EN 25%	28.40%	1084419.00	1.19