

Environmental Impact Matrix. Abandoned Stage.

Environmental Impact Matrix."Wind Energy Park Vientos Neuquinos I"		Environmental Factors		System																			
		Medium		Inert												Herbaceous stratum							
		Factor		Air			Water			Soil						Herbaceous stratum							
		Subfactor		Air quality		Superficial water		Underground water	Topography		Edaphology		Erosion		Restriction to the use of soil		Quality of the habitat	Biodiversity	Speci dan				
Actions		Units of importance (UIP)		Partial		50		20		0	60		60		30		10		40	10	0		
		Total		230																			
Abandoned Stage	Dismantling of wind turbines			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
	Circulation and operation of vehicles			-22	-1,1	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
	Filling, leveling, scarification process and replanting			0	0,0	25	0,5	0	0,0	29	1,7	23	1,4	23	0,7	28	0,3	21	0,8	20	0,2	0	0,0
	Inadequate waste management			-14	-0,7	-14	-0,3	0	0,0	0	0,0	-15	-0,9	0	0,0	0	0,0	-17	-0,7	0	0,0	0	0,0
	Wind energy generation process			-47	-2,4	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
	Demolition / withdrawal of foundations and permanent installations			-25	-1,3	0	0,0	0	0,0	-22	-1,3	0	0,0	-21	-0,6	30	0,3	23	0,9	0	0,0	0	0,0
	Unemployment			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
AFFECTION ON THE SUBFACTORS			Absolute		-108,0		11,0		0,0	7,0		8,0		2,0		58,0		27,0		20,0		0,0	
			% Absolute		12,40%		1,26%		0,00%	0,80%		0,92%		0,23%		6,66%		3,10%		2,30%		0,0	
			Relative		-5,4		0,2		0,0	0,4		0,5		0,1		0,6		1,1		0,2		0,0	
			% Relative		14,48%		0,59%		0,00%	1,13%		1,29%		0,16%		1,56%		2,90%		0,54%		0,0	

Physical Natural												
Biotic												
Vegetation					Fauna							
Species in danger	Bush stratum			Flora in protected natural areas	Mammals				Birds			
	Quality of the habitat	Biodiversity	Species in danger		Behavior	Habitat quality	Biodiversity	Species in danger	Behavior	Habitat quality	Biodiversity	Species in danger
0	40	10	0	0	40	20	0	0	40	20	10	10

270

0,0	0	0,0	0	0,0	0	0,0	0	0,0	0	0,0	36	1,4	36	0,7	0	0,0	0	0,0	36	1,4	36	0,7	17	0,2	17	0,2
0,0	0	0,0	0	0,0	0	0,0	0	0,0	0	0,0	-16	-0,6	0	0,0	0	0,0	0	0,0	-16	-0,6	0	0,0	0	0,0	0	0,0
0,0	21	0,8	20	0,2	0	0,0	0	0,0	0	0,0	0	0,0	24	0,5	0	0,0	0	0,0	0	0,0	24	0,5	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	-19	-0,4	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	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
0,0	24	1,0	0	0,0	0	0,0	0	0,0	0	0,0	-16	-0,6	0	0,0	0	0,0	0	0,0	-16	-0,6	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	0,0	0	0,0	0	0,0	0	0,0	0	0,0	0	0,0	0	0,0
0	45,0	20,0	0,0	0,0	4,0	41,0	0,0	0,0	4,0	60,0	17,0	17,0														
0%	5,17%	2,30%	0,00%	0,00%	0,46%	4,71%	0,00%	0,00%	0,46%	6,89%	1,95%	1,95%														
0	1,8	0,2	0,0	0,0	0,2	0,8	0,0	0,0	0,2	1,2	0,2	0,2														
0%	4,83%	0,54%	0,00%	0,00%	0,43%	2,20%	0,00%	0,00%	0,43%	3,22%	0,46%	0,46%														

										Socioeconomic																	
										Perceptive					Socioeconomic												
										Landscape					Employed personnel		Nearby population health			Socioeconomic							
Microfauna				Protected natural areas	Visual impact	Personnel health		Direct and indirect employment		Disturbing noises to neighborhood (IRAM 4062)	Other affections to the population health		Actividad económica														
Behavior	Habitat quality		Biodiversity			Species in danger	Personnel health	Direct and indirect employment	Disturbing noises to neighborhood (IRAM 4062)		Other affections to the population health																
0	30		0	0	0	90		50	80	50	50	70															
										90					410												
0	0,0	0	0,0	0	0,0	0	0,0	0	0,0	0	0,0	0	0,0	0	0,0	53	4,8	-28	-1,4	26	2,1	41	2,1	41	2,1	32	2,2
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	-22	-1,1	26	1,3	0	0,0	0	0,0	29	2,0
0	0,0	17	0,5	0	0,0	0	0,0	0	0,0	0	0,0	0	0,0	0	0,0	23	2,1	-16	-0,8	26	1,3	0	0,0	0	0,0	29	2,0
0	0,0	0	0,0	0	0,0	0	0,0	0	0,0	0	0,0	0	0,0	0	0,0	-26	-2,3	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	0	0,0	0	0,0	0	0,0	0	0,0	0	0,0	0	0,0	0	0,0	-50	-2,5	0	0,0
0	0,0	17	0,5	0	0,0	0	0,0	0	0,0	0	0,0	0	0,0	0	0,0	-29	-2,6	-28	-1,4	26	1,3	0	0,0	0	0,0	32	2,2
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	0	0,0	0	0,0	0	0,0	-41	-2,9
0,0		34,0		0,0		0,0		0,0		21,0		-94,0		63,0		41,0		-9,0		81,0							
0,00%		3,90%		0,00%		0,00%		0,00%		2,41%		10,79%		7,23%		4,71%		1,03%		9,30%							
0,0		1,0		0,0		0,0		0,0		1,9		-4,7		3,9		2,1		-0,5		5,7							
0,00%		2,74%		0,00%		0,00%		0,00%		5,07%		12,61%		10,54%		5,50%		1,21%		15,21%							

c environment	Infrastructure	
Cultural heritage	Electric	Road
0	60	50

0	0,0	-50	-3,0	0	0,0
0	0,0	0	0,0	-29	-1,5
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	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		-50,0		-29,0	
0,00%		5,74%		3,33%	
0,0		-3,0		-1,5	
0,00%		8,05%		3,89%	

SHOCKING ACTIONS			
Absolute	% Absolute	Relative	% Relative
293,0	30,9%	13,5	29,8%
-50,0	5,3%	-1,6	3,5%
317,0	33,4%	12,7	28,2%
-105,0	11,1%	-5,3	11,7%
-97,0	10,2%	-4,9	10,8%
-5,0	0,5%	-2,3	5,0%
-82,0	8,6%	-4,9	10,9%

	Socioeconomic																
Perceptive	Socioeconomic																
Landscape	Employed personnel		Nearby Health Population			Socioeconomic Environment			Infrastructure								
Visual impact	Personnel Health	Direct and indirect employment	Disturbing noises to neighborhood (IRAM 4062)	Other affections to the population health	Economic Activity	Cultural Heritage	Electric	Road									
80	50	80	30	50	80	40	30	40									
80	400																
-19	-1.5	-28	-1.4	26	2.1	-19	-0.6	-19	-1.0	32	2.6	-28	-1.1	0	0.0	0	0.0
0	0.0	-22	-1.1	29	2.3	-19	-0.6	-28	-1.4	29	2.3	0	0.0	-29	-0.9	-29	-1.2
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
-33	-2.6	-28	-1.4	26	2.1	0	0.0	0	0.0	32	2.6	0	0.0	0	0.0	0	0.0
-26	-2.1	-14	-0.7	26	2.1	0	0.0	0	0.0	29	2.3	0	0.0	0	0.0	0	0.0
23	1.8	-14	-0.7	26	2.1	0	0.0	0	0.0	29	2.3	0	0.0	0	0.0	0	0.0
-23	-1.8	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	-14	-0.7	26	2.1	0	0.0	0	0.0	29	2.3	0	0.0	0	0.0	0	0.0
-78.0	-120.0	159.0	-38.0	-47.0	180.0	-28.0	-29.0	-29.0									
5.82%	8.95%	11.86%	2.83%	3.50%	13.42%	2.09%	2.16%	2.16%									
-6.2	-6.0	12.7	-1.1	-2.4	14.4	-1.1	-0.9	-1.2									
8.51%	8.19%	17.36%	1.56%	3.21%	19.65%	1.53%	1.19%	1.58%									

1000	SHOCKING ACTIONS			
	Absolute	% Absolute	Relative	% Relative
	-277.0	18.9%	-9.6	17.4%
	-185.0	12.6%	-5.5	10.0%
	-83.0	5.7%	-3.3	6.0%
	-94.0	6.4%	-3.5	6.4%
	-214.0	14.6%	-6.9	12.4%
	396.0	27.0%	15.6	28.3%
	-209.0	14.3%	-8.3	15.1%
	7.0	0.5%	2.5	4.5%

Socioeconomic																								
			Socioeconomic																					
			Perceptive																					
			Landscape		Employed personnel		Nearby population health			Socioeconomic Environment		Infrastructure												
iversity	Species in danger	Protected natural areas	Visual impact	Personnel health	Direct or indirect employment	Disturbing noises to neighborhood (IRAM 4062)	Other affections to the population health	Economic Activity	Cultural Heritage	Electric	Road													
0	0	0	95	70	60	70	75	80	0	90	30													
			95	475									1000											
0.0	0	0.0	0	0.0	-20	-1.4	30	1.8	0	0.0	0	0.0	35	2.8	0	0.0	0	0.0	-16	-0.5				
0.0	0	0.0	0	0.0	-56	-5.3	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	-19.0	5.0%
0.0	0	0.0	0	0.0	0	0.0	-38	-2.7	30	1.8	-41	-2.9	-41	-3.1	35	2.8	0	0.0	50	4.5	0	0.0	-72.0	18.8%
0.0	0	0.0	0	0.0	-14	-1.3	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	-122.0	31.9%
0.0	0	0.0	0	0.0	0	0.0	0	0.0	30	1.8	0	0.0	0	0.0	50	4.0	0	0.0	0	0.0	0	0.0	-42.0	11.0%
0.0	0	0.0	0	0.0	0	0.0	0	0.0	30	1.8	0	0.0	0	0.0	50	4.0	0	0.0	0	0.0	0	0.0	127.0	33.2%
0.0	0.0	0.0	-70.0	-58.0	90.0	-41.0	-41.0	120.0	0.0	50.0	-16.0													
0%	0.00%	0.00%	9.86%	8.17%	12.68%	5.77%	5.77%	16.90%	0.00%	7.04%	2.25%													
0.0	0.0	0.0	-6.7	-4.1	5.4	-2.9	-3.1	9.6	0.0	4.5	-0.5													
0%	0.00%	0.00%	13.39%	8.17%	10.87%	5.78%	6.19%	19.33%	0.00%	9.06%	0.97%													

SHOCKING ACTI	
Absolute	% Absolute
-19.0	5.0%
-72.0	18.8%
-122.0	31.9%
-42.0	11.0%
127.0	33.2%

NS	
Relative	% Relative
-0.5	1.9%
-6.3	25.3%
-5.5	22.1%
-3.0	12.1%
9.6	38.5%