

**VII. ENVIRONMENTAL FORECASTS AND, WHERE APPROPRIATE, ASSESSMENT OF ALTERNATIVES 1**

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**VII. ENVIRONMENTAL FORECASTS AND, WHERE APPROPRIATE, ASSESSMENT OF ALTERNATIVES**

**VII.1. Scenario forecast.**

Next, a table with the description of the current state of each environmental component and the scenario forecast once the wind farm starts operating is presented:

**Table VII.1. Scenario forecast**

Environmental component	Current state of the environmental component	Scenario forecast.
<b>Physical environment</b>		
Climate	The microclimate has been modified in the areas cleared of vegetation for the development of agricultural and livestock activities.	The clearing of this surface during the site preparation stage will cause the removal of vegetation and, therefore, there will be a modification of the latent and sensible heat of radiation in impaired areas, as well as an increase in the environment dryness. This will cause changes in temperature and humidity content at the site and consequently in the local microclimate. This is considered low impact considering that the surface to be cleared encompasses less than 2% of the total surface of the project
Air quality	There are no relevant sources of emissions of pollutants into the atmosphere; probably the only relevant emission is the emission of dust from cleared areas, mainly agricultural areas.	Atmospheric emissions are specific and will only appear during the stage of site preparation and construction, so it is estimated that this factor will not be modified.  The operation of the wind farm will not cause emissions into the atmosphere which may modify the current scenario.
Noise and	No important sources of	Modern wind turbines generate very low noise emissions. It is

Environmental component	Current state of the environmental component	Scenario forecast.
vibrations	noise were detected, except for those produced by vehicles on the road and the railroad.	estimated that at 300 meters of distance, the sound of a wind turbine generating electricity is likely to be approximately the same level of noise than water flowing at 50-100 meters of distance or the noise of fallen leaves during soft breeze. The wind farm is located at a considerable distance from the closest population, which is a small town called San Francisco, at the east border of the project's polygon of impact, but at a distance of approximately 3 km from the closest wind turbine. Due to the aforementioned, the operation of the wind farm will increase noise; nevertheless, it is believed that it will not disturb communities nearby.
Surface hydrology	Rivers and streams present at the SA and Project Area are intermittent and no pollution was detected; probably Guayalejo river presents pollution issues because irrigation agriculture is developed on its riverbeds.	With the implementation of preventive and mitigation measures, it is estimated that there will be no modifications in surface hydrology of the area.
Underground hydrology	The three aquifers encompassing the SA do not present over-exploitation and/or pollution issues according to data published by the CONAGUA.	The wind farm will use water tank trucks, to the fullest extent possible, and exploitation of underground water will take place only if necessary. However, the volumes of water to be used are not significant, and it is estimated that the aquifer of the SA is not going to be over exploited.  In addition, with the application of preventive and mitigation measures, it is estimated that there will be no contamination of underground water.
Geomorphology	The relief of the SA does not show relevant modifications, only in the areas where roads have been built in areas with steep slopes.	In general, specific areas where wind turbines will be located are flat zones; however, during rehabilitation and extension of roads, it will be necessary to make some cuts and leveling in the area where the topography is slightly irregular, where geological formations will be altered permanently.
Land	Areas featuring erosion were detected in a very precise way and sometimes landfalls during rain season, especially due to construction of roads in areas with steep slopes.	Cleared and grubbed areas will be exposed to erosive processes; however, a Land Restoration and Conservation Program and a Program for Comprehensive Management of Flora and Fauna will be implemented for all surface cleared and grubbed, which contemplate activities such as restoration of the site with the purpose of regenerating the land and allowing growth of natural vegetation and reforestation, thus preventing the land from continuing being exposed to erosive

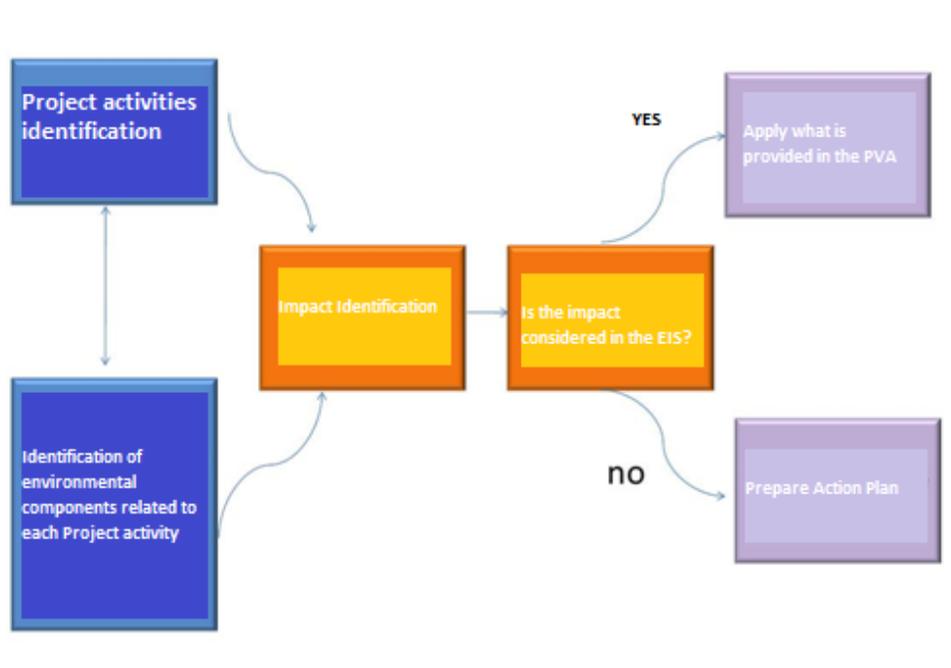
Environmental component	Current state of the environmental component	Scenario forecast.
		processes.
<b>Biotic environment</b>		
Vegetation	<p>Predominant vegetation in the SA is submontane scrub presenting good coverage and degree of conservation. Main disturbances to vegetation in the SA have appeared on the plain due to clearing and grubbing for development of agricultural and livestock activities.</p>	<p>Clearing and grubbing activities involve permanent removal of vegetation in 508.51 hectares and temporary removal in 398.72 hectares, if considering the scenario of maximum occupation (433 wind turbines maximum). Approximately 68.93% of the polygon where the project will be located is covered by submontane scrub, 7.81% by deciduous lowland forest (selva baja caducifolia), 4.51% by tropical mezquital and 3.35% by low thorny deciduous forest (selva baja espinosa caducifolia).</p>
	<p>We found a <i>Beucarnea recurvata</i> species known as elephant's foot which is in the threatened category.</p>	<p>It is important to mention that special care will be take for this species in particular by implementing the flora rescue program, so it is estimated that the majority of specimens found will be transplanted.</p>
Fauna	<p>101 species of fauna were detected in total, under conservation status according to NOM-059-SEMARNAT-2010, of which 9 are endangered species, 29 are threatened and 63 under special protection. The group with the highest number of species is birds, followed by reptiles, terrestrial mammals, amphibians and bats (chiroptera).</p> <p>The presence of four felines under conservation status was noted: jaguar, jaguarundi, ocelot and oncilla, besides noticing trails of puma and lynx, although these two last</p>	<p>For species under protection, a rescue program will be implemented considering techniques in order to drive away the fauna and habitat modification, as well as capture and management techniques, focused on avoiding damage and/or stress on wild fauna during construction stage. This will help decrease the number of wild fauna individuals within the area of disturbance of the project. In addition, the project aims at preserving ecosystemic units in their current state, which will work as shelters and biological corridors to enable the fauna to migrate and find places to live in.</p> <p>It is estimated that once the construction of the wind farm is concluded, the fauna will have the possibility of returning to the site.</p>

Environmental component	Current state of the environmental component	Scenario forecast.
	species are not under protection.	
<b>Socioeconomic environment</b>		
Landscape	Decrease of the landscape quality is due only to clearing and grubbing of vegetation for development of agricultural activities, which take place on the plain surrounding the plateau.	The most notorious visual impact will be the presence of wind turbines. In order to harness the wind maximum potential, wind turbines will be located at the highest areas of the plateaus, and will be visible from considerable distances.
Demography	Even if the growth rate in the two municipalities is positive, there has been no significant increase.	The project will create jobs mainly during the construction stage. It is estimated that non-qualified staff will be hired from nearby towns. However, we will also hire qualified staff with experience in construction of wind farms, which may cause an increase in the growth rate of the two municipalities, but it is estimated to have an insignificant value.
Marginalization	The municipalities of Llera de Canales and Casas show medium marginalization rates. The main deficiencies, among others, are low salaries, low educational levels, deficiency in water and drain services.	With the construction and operation of the wind farm an economic benefit will be generated for all owners of the lands and of the ejido properties, thus boosting local and regional development.  In addition to this, the rehabilitation of roads within the entire polygon of the project will give owners better and easier access to their land, enabling them to better develop their activities.

## **VII.2. Environmental Surveillance Program.**

In order to have a better follow-up and monitoring of each measure, method and system necessary for compliance with the legal provisions in environmental matters, an Environmental Surveillance Program (PVA) will be implemented.

For the implementation of this program we will have an Environmental Manager who will schedule supervisions and internal audits, including follow-up of PSCA, as well as identification of environmental impacts not foreseen in the EIS. As part of these supervisions, all activities of the project in their different stages (site preparation, construction, operation and maintenance) will be identified, as well as the environmental components associated to each of them. Based on this, the environmental impacts will be identified, determining which of them is included in the EIS and the PSCA, and preparing an action plan if the impact is not foreseen in the EIS, such as that shown in Figure VII.1.



**Figure VII.1. Methodology for identification of impacts not foreseen in the EIS**

All impacts not included in the EIS will be registered and tracked through time, and an action plan will be established specifically for each of them. The format will detail the environmental impact, the environmental factor disturbed, the activity causing it and the applicable regulation. The

Environmental Manager will analyze the root of the problem in order to subsequently generate an action plan including responsible parties, actions (activities) and conclusion dates. In addition to this, we will have to verify and follow up the actions taken and applied to mitigate the environmental impact identified. All mitigation measures have to be documented and supported with appendixes in order to provide evidence of the activities carried out.

It is worth mentioning that environmental impacts may also be identified resulting from inspection visits by authorities or else from complaints by the citizens and/or communities near the project.

The format suggested for this follow-up of environmental impacts not foreseen in the EIS is presented in Figure VII.2.

<b>DATE:</b>	
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**MARK THE MECHANISM WITH WHICH THE ENVIRONMENTAL IMPACT WAS DETECTED AND PROVIDE DETAILS:**

	<b>INTERNAL AUDIT</b>	
	<b>COMPLAINT FROM A NEIGHBOR</b>	
	<b>INSPECTION VISIT</b>	
	<b>OTHER</b>	

**1.- IMPACT DESCRIPTION:**

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**2.- ENVIRONMENTAL FACTOR AFFECTED:**

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**3.- DESCRIPTION OF THE ACTIVITY OR CAUSE GENERATING IT:**

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**4.- APPLICABLE REGULATION:**

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**4.- ACTION PLAN:**

No	ACTIVITY	STARTING DATE	CONCLUSION DATE	RESPONSIBLE PARTY
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Next we present the Environmental Surveillance Program, which includes the activities and follow-up programs to respond to environmental impacts which may arise from carrying out the works and/or activities involved in the different stages of the project. Likewise, the program includes the description of indicators for each parameter to be assessed and party responsible for its execution.

It is important to mention that the abandonment stage is not included in the PVA, for when the time comes we have to submit a Dismantling Program including all works to be carried out, measures to be taken and relevant indicators according to the technological advances of the time.

**Table VII.1. Site Preparation Stage**

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
MICROCLIMATE	IP 1. Alteration of local microclimate due to modification on the proportion of latent and sensible heat of radiation in disturbed area	<ul style="list-style-type: none"> <li>The clearing and cleaning activity will be scheduled and gradual, and only the surface necessary according to the work schedule for each stage will be disturbed.</li> <li>We will try to the extent possible to respect all areas with vegetation well preserved.</li> <li>After finishing the construction of the wind farm, the necessary zones will be leveled and restoration activities will be carried out at the site, so that the vegetation may return to its previous state, trying to avoid species which roots may affect underground lines for electrical conduction.</li> </ul>	<p>Land Restoration and Conservation Program</p> <p>Environmental Supervision Program</p>	1	Temporarily	Complies / Does not comply	<p>Works Supervision Log</p> <p>Photographic Report</p>	<p>Clearing activities in unauthorized areas</p> <p>No application of land conservation and restoration procedures</p>	<p>Contractor</p> <p>Environmental Manager</p>

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
AIR	IP 2: Emissions of combustion gas and dust and/or particles	<ul style="list-style-type: none"> <li>Petitioner will ensure, through agreements with contractors and periodical inspections, that the machinery and vehicles used during site preparation stages do not generate smoke or relevant emissions into the atmosphere</li> <li>Contractors will be requested to have a machinery and equipment maintenance program to ensure their good conditions.</li> <li>Circulation of vehicles in specific working areas will be restricted and trucks transporting dirt or material which may be blown over will be demanded, to the extent possible, to circulate with canvas or else transport the material moisten so as to avoid spreading dust.</li> <li>Dirt roads will be periodically irrigated (when necessary)</li> <li>Clearing and grubbing of the land will be scheduled and gradual, as per the progress of the work schedule. Only after the area has been cleared, they can begin the construction activities in the same, and so on and so forth, in order to avoid that these areas remain without vegetation and therefore exposed to the effects of wind causing, in turn, spreading of powder and particles.</li> <li>In the event of delay to begin the construction after having removed the vegetable coverage, the activities of soil retention should begin to control erosion according to the Land Restoration and Conservation Program.</li> </ul>	<p>Environmental Supervision Program</p> <p>Land Restoration and Conservation Program</p>	1	Temporarily	Complies / Does not comply	<p>Invoices for purchase of treated water for roads irrigation</p> <p>Works Supervision Log</p> <p>Machinery and Equipment Maintenance Program</p> <p>Photographic Record</p>	<p>Lack of Maintenance Program by Contractor</p> <p>Visible emissions of machinery and vehicles and/or</p> <p>Not respecting the areas assigned according to work progress</p>	<p>Contractor</p> <p>Manager</p>

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
AIR	IP 3: Noise emissions	<ul style="list-style-type: none"> <li>Petitioner should ensure, through agreements with contractors and periodical inspections, that the machinery and vehicles used during site preparation stages do not generate relevant noise levels.</li> <li>Before using explosives, techniques in order to drive away the fauna will be implemented with the Fauna Management and Rescue Subprogram</li> <li>During rock crushing and use of explosives activities, staff will be requested to use earplugs.</li> <li>Vehicle circulation will be restricted to specific working areas</li> <li>Should relevant noise levels be identified, the staff working in said activities should use hearing protective equipment.</li> </ul>	<p>Environmental Supervision Program</p> <p>Fauna Management and Rescue Subprogram</p>	1	Temporarily	Complies / Does not comply	<p>Works Supervision Log</p> <p>Machinery and Equipment Maintenance Program</p>	Noise emissions disturbing the staff	Contractor Manager

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
LAND	IP 4: Land erosion due to loss of vegetable coverage	<ul style="list-style-type: none"> <li>Clearing and grubbing of the land will be scheduled and gradual, as per the progress of the work schedule. Only after the area has been cleared, they can immediately begin the construction activities in the same, and so on and so forth, in order to avoid that these areas remain without vegetation and therefore exposed to erosion due to the effects of wind and water.</li> <li>In the event of delay to begin the construction after having removed the vegetable coverage, the activities of soil retention should begin to control erosion according to the Land Restoration and Conservation Program.</li> <li>Storm rain works necessary to avoid water accumulation and land erosion will be carried out.</li> <li>The elements for erosion and sediments control should be kept until the land is covered with permanent vegetation.</li> <li>The vegetable soil layer removed will be kept separately from the rest of the material resulting from excavation to be used later in filling-in and leveling. The remnants of vegetation removed will be "crushed" and stored at a specific site, for subsequent reincorporation into the land and/or use in reforestation areas or local plant nurseries.</li> </ul>	<p>Land Restoration and Conservation Program</p> <p>Environmental Supervision Program</p>	1	Temporary	Complies / Does not comply	<p>Works Supervision Log</p> <p>Photographic Report</p>	<p>Clearing, excavation and leveling activities in unauthorized areas</p> <p>Presence of land erosion due to lack of works for erosion control</p>	<p>Contractor</p> <p>Manager</p>

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
LAND	IP 5: Land pollution	<ul style="list-style-type: none"> <li>Petitioner will ensure, through agreements and periodical inspections, that contractor's authorized vehicles do not show leaking of fuel and/or oil.</li> <li>Performing maintenance to equipment and machinery in unpaved areas not determined for that purpose will be avoided to the fullest extent possible. If possible, machinery and equipment will be moved to specialized workshops in the area; however, if this is not possible, maintenance will be on site or at the area of Offices for construction, warehouses and temporary parking, following safety protocols and avoiding at all times spills to the land, for which they must place trays or plastic to contain possible leaking or spills.</li> <li>Contractors will be requested to have a maintenance program for machinery and equipment ensuring their good conditions, so as to avoid to the fullest extent possible carrying out major and minor maintenance on site.</li> <li>Contractors will be obliged to implement Procedures for Spill Control, as well as the Environmental Training and Awareness Program to ensure that the staff is aware of the procedures to avoid and solve spillage.</li> <li>All waste generated during the different stages of the project should be stored and made available in accordance with the Program for Comprehensive Management of Waste.</li> <li>The storage area for machinery and equipment should preferably be paved and have material and equipment for spill control.</li> <li>Should there be any spill of hydrocarbons (oil, grease and fuels), polluted soil will be removed and managed as hazardous waste.</li> </ul>	<p>Environmental Supervision Program</p> <p>Environmental Training and Awareness Program</p> <p>Program for Comprehensive Management of Waste</p> <p>Land Restoration and Conservation Program</p> <p>Procedure for Spill Control</p>	1	Permanent	Complies / Does not comply	<p>Works Supervision Log</p> <p>Machinery and Equipment Maintenance Program</p> <p>Staff attendance record to sessions of the Environmental Training and Awareness Program</p> <p>Waste Management Log</p> <p>Invoice from company in charge of collecting and disposing of hazardous waste</p> <p>Photographic Report</p>	<p>Presence of spills of hydrocarbons or other waste on natural land or unattended spills</p> <p>Storage of waste in areas not destined for that purpose</p> <p>Lack of procedures for spill control</p>	Contractor Manager

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
LAND	IP 6: Modification of geological formations	<ul style="list-style-type: none"> <li>The design of roads to be rehabilitated and/or extended will take into account that the alteration of geological formations at the site be minimized to the fullest extent possible.</li> <li>Material removed during rehabilitation and extension of roads will be used for filling-in and leveling, trying to preserve the original topographic conditions.</li> </ul>	<p>Land Restoration and Conservation Program</p> <p>Environmental Supervision Program</p>	1	Temporary	Complies / Does not comply	<p>Works Supervision Log</p> <p>Photographic Report</p>	<p>Excavation or land movement activities in unauthorized areas according to the work execution program and excavations procedures</p>	<p>Contractor</p> <p>Manager</p>
SURFACE WATER	IP 7: Modification of surface hydrological pattern	<ul style="list-style-type: none"> <li>During site preparation activities, storm rain works necessary to avoid water accumulation and land erosion will be carried out.</li> <li>Material generated from clearing, grubbing and excavation tasks should be temporarily stored at specific sites determined, thus avoiding the modification of land run-off patterns by berms. This material will be used for filling-in and leveling, and in the event of excess, this may be used for legally authorized dumps or sites for final disposal.</li> <li>It is strictly forbidden to store material in areas where there could be matter sweeping risks, due to wind or run-off, to the valleys located next to the plateaus.</li> </ul>	<p>Land Restoration and Conservation Program</p> <p>Program for Comprehensive Management of Waste</p> <p>Environmental Supervision Program</p>	1	Temporary	Complies / Does not comply	<p>Photographic Report</p> <p>Supervision Log</p>	<p>Waste accumulation in ditches</p> <p>Creation of berms in unauthorized areas</p> <p>Storage of materials and/or waste in unauthorized areas</p>	<p>Contractor with support from expert in hydraulics</p> <p>Manager</p>

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
SURFACE WATER	IP 8: Pollution of water bodies	<ul style="list-style-type: none"> <li>Material resulting from clearing and grubbing, as well as that from rehabilitation and extension of roads will be reused for filling-in and leveling. In the event of excess, this may be used for legally authorized dumps or sites for final disposal.</li> <li>It is strictly forbidden to store waste or materials such as oil or hydrocarbons in surrounding areas where there could be a risk of spill and/or sweeping of material due to wind or run-off, to rifts or valleys.</li> <li>Contractors will be required to implement Procedures for Spill Control, as well as the Environmental Training and Awareness Program to ensure that the staff is aware of the procedures to avoid and solve spillage.</li> </ul>	<p>Environmental Supervision Program</p> <p>Environmental Training and Awareness Program</p> <p>Program for Comprehensive Management of Waste</p> <p>Land Restoration and Conservation Program</p> <p>Procedure for Spill Control</p>	1	Temporary	Complies / Does not comply	<p>Works Supervision Log</p> <p>Photographic Report</p>	<p>Presence of waste outside areas destined for storage</p> <p>Presence of spills of hydrocarbons or other waste on natural land or unattended spills</p> <p>Storage of waste in areas not destined for that purpose</p> <p>Lack of procedures for spill control</p>	Contractor Manager

	IMPACT IDENTIFIED	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
GROUNDWATER	IP 9: Reduction of recharging capacity of aquifers	<ul style="list-style-type: none"> <li>To carry out necessary works to harvest and divert rainwater towards absorption wells.</li> </ul>	Land Restoration and Conservation Program  Environmental Supervision Program	1	Permanent	Complies / Does not comply	Presence of absorption wells	Lack of absorption wells	Contractor Manager

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
FLORA	<p>IP 10: Loss of vegetable coverage</p> <p>IP 11: Loss of vegetable species individuals listed in NOM-059</p>	<ul style="list-style-type: none"> <li>Only areas specified for extension of roads, laying foundations for turbines, provisional works and electric conduction lines will be disassembled as per the specific needs for each stage of the project, and gradually according to the stages of development of the project.</li> <li>During disassemble work, vegetation will not be burnt and the use of agrochemicals should be avoided to the extent possible.</li> <li>Slopes will be covered with material obtained from grubbing. Vegetable waste will be "crushed" for subsequent incorporation into the land. Vegetation waste which may not be incorporated into the land may be buried or managed as waste. Such management and final disposal will be subject to the provisions of the competent authority or, if any, the corresponding management plan.</li> <li>Species listed in NOM-059-SEMARNAT-2010, likely to be transplanted and located within the area to be cleared should be relocated to surrounding areas. In this case, the only species which may be found is elephant's foot (<i>Beucarnea recurvata</i>).</li> <li>There will be priority for the use of native species in restoration activities of the site, using preferably individuals rescued.</li> <li>Workers in charge of the rescue and relocation of vegetable species will be duly trained.</li> <li>It is strictly forbidden to collect, traffic or damage flora species, especially if under status of protection according to NOM-059.</li> <li>The natural vegetable repopulation of herbaceous and bushy species with surface roots will be permitted.</li> <li>The paperwork with the competent authority will be processed so that timber-yielding products obtained from clearing and grubbing activities be used directly by neighboring communities and ejidos. Otherwise, the authorities will be specifically informed about the use and final destination of such waste</li> </ul>	<p>Flora and Fauna Comprehensive Management Program</p> <p>Subprogram for Rescue and Relocation of Flora</p> <p>Environmental Training and Awareness Program</p> <p>Environmental Supervision Program</p> <p>Land Restoration and Conservation Program</p>	1	Temporary	Complies / Does not comply	<p>Works Supervision Log</p> <p>Photographic Report</p> <p>Plan with identification of restored areas and technical datasheets of species used. Register and labeling of transplanted individuals indicating their conditions and relocation</p> <p>Register of flora growth and survival monitoring in restored areas</p> <p>Attendance records to training courses for staff</p>	<p>Lack of records of transplanted individuals and growth and survival monitoring</p>	<p>Contractor</p> <p>Manager</p> <p>Support from Academic Institution</p>

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
FAUNA	<p>IP 12: Modification and fragmentation of habitat due to loss of vegetable coverage</p> <p>IP 13: Species displacement</p> <p>IP 14: Loss of individuals of species within any category of NOM-059</p>	<ul style="list-style-type: none"> <li>The clearing and grubbing of the land will be scheduled and gradual, according to the progress of the work program.</li> <li>Prior to clearing and grubbing activities, techniques in order to drive away the fauna, modification of habitat and capture will be implemented focused on slow-displacement fauna species or species listed in NOM-59, according to the Fauna Management and Rescue Subprogram.</li> <li>Within the Fauna Management and Rescue Subprogram we will include all species listed in NOM-059 so that workers know them and notify the environmental responsible person should they find any of them.</li> <li>During activities of preparation of the site no wild fauna species living in the area of study will be captured, chased, hunted, collected, traffic or harmed.</li> <li>In response to the Environmental Training and Awareness Program, training courses will be given to workers to promote care of wild fauna in the area.</li> </ul>	<p>Flora and Fauna Comprehensive Management Program</p> <p>Subprogram for Rescue and Relocation of Flora</p> <p>Fauna Management and Rescue Subprogram</p> <p>Environmental Training and Awareness Program</p> <p>Environmental Supervision Program</p>	0, 1	Temporary	Complies / Does not comply	<p>Photographic Report</p> <p>Register of capture and management of fauna species</p> <p>Attendance records to training courses for staff</p> <p>Works Supervision Log</p>	<p>Lack of records of fauna capture and management</p>	<p>Contractor</p> <p>Manager</p> <p>Support from Academic Institution</p>

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
Ecosystem	IP 15: Loss of biodiversity in terms of individuals	<ul style="list-style-type: none"> <li>The rescue of flora species classified as slow-growing, of biological, cultural and economic relevance, or those found in the list of NOM-059 will be a priority and be reincorporated into conservation areas.</li> <li>There will be priority for the use of native species in reforestation activities, using especially individuals rescued.</li> <li>It is strictly forbidden to collect, traffic or damage flora species, especially if under some kind of category of protection.</li> </ul>	Flora and Fauna Comprehensive Management Program  Subprogram for Rescue and Relocation of Flora  Fauna Management and Rescue Subprogram  Environmental Training and Awareness Program	1	Temporary	Complies / Does not comply	Photographic Report  Register of capture and management of fauna species	Lack of records of flora and fauna capture and management	Contractor  Manager  Support from Academic Institution

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
LANDSCAPE	IP 16: Modification of original landscape	<ul style="list-style-type: none"> <li>During the stage of preparation of the site, tasks will be performed gradually and according to the stages established in the work schedule.</li> <li>For the presence of machinery and equipment in the area, no mitigation measure is considered; however, it is estimated that once the works are finished, all machinery and equipment will be removed from the site to recover its initial landscape quality. The only machinery that will remain at the site is the machinery necessary for the operation and maintenance of the wind farm.</li> <li>After finishing the construction of the wind farm, a Land Restoration and Conservation Program will be implemented for the entire surface affected. This Program includes restoration activities for the site to restore the soil and grow natural vegetation to the extent possible. There will be special care on the areas where there are underground electric conduction lines to avoid species which roots may cause them some kind of damage.</li> </ul>	Environmental Supervision Program  Flora and Fauna Comprehensive Management Program  Subprogram for Rescue and Relocation of Flora  Land Restoration and Conservation Program	1	Temporary	Complies / Does not comply	Photographic Report	Location of machinery and equipment outside designated times and areas.	Contractor Manager
SOCIOECONOMIC	IP 17: Modification of land use in disturbed premises	<ul style="list-style-type: none"> <li>Petitioner will have to negotiate with the owners of each premise in order to pay them rent. It is noteworthy that most premises are covered by natural vegetation (82.66%) and are not useful at all, while only 17.34% are used for agricultural and/or livestock farming purposes.</li> <li>Only after the wind farm is in operation, the owners of the land may use their premises for livestock farming or agriculture, for the operation of wind turbines does not interfere with these activities.</li> </ul>	Land Restoration and Conservation Program Flora and Fauna Comprehensive Management Program Subprogram for Rescue and Relocation of Flora	0,1,2	Permanent	Complies / Does not comply	Lease Agreements	Not having lease agreements	Petitioner Contractor

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
	IP 21: Water demand	<ul style="list-style-type: none"> <li>Water supply during site preparation stage will be through water tank trucks. The installation of storage tanks at strategic sites is being considered, where if necessary water will be transported by gravity up to the working places through surfaces pipes or by means of water tank trucks.</li> </ul>	Environmental Supervision Program	1	Temporary	Complies / Does not comply	Works Supervision Log  Invoices for treated water tank trucks  Photographic Record	n/a	Contractor Manager
	IP 22: Energy demand	<ul style="list-style-type: none"> <li>Portable diesel generators of 5 to 100 kW will be used.</li> </ul>	Environmental Supervision Program	1	Temporary	Complies / Does not comply	Supervision Log	n/a	Contractor Manager
SERVICES	IP 23: Waste management services demand	<ul style="list-style-type: none"> <li>Portable toilets will be installed at working areas for exclusive use by workers. The same supplier of the service will be in charge of cleaning said toilets.</li> <li>Waste generated during the different stages of site preparation will be managed according to their characteristics, differentiating hazardous and non-hazardous waste and taking into consideration the corresponding environmental legislation. Said waste will be disposed of at duly authorized sites with enough capacity. The corresponding permits, agreements and/or contracts will be processed. All this will be contemplated in the Program for Comprehensive Management of Waste.</li> <li>Companies for recycling and/or reuse of solid waste will be contracted as part of the Program for Comprehensive Management of Waste.</li> </ul>	Program for Comprehensive Management of Waste  Environmental Supervision Program	0,1	Temporary	Complies / Does not comply	Works Supervision Log  Waste Management Log  Agreements with companies for recycling and/or reuse of waste	Disposal of waste at unauthorized sites  Excess of waste accumulated in warehouses	Contractor Manager

Table VII.2. Construction Stage

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
AIR	IC 1: Emissions of combustion gas and dust and/or particles	<ul style="list-style-type: none"> <li>Petitioner will ensure, through agreements with contractors and periodical inspections, that the machinery and vehicles used during site preparation stages do not generate smoke or relevant emissions into the atmosphere</li> <li>Contractors will be requested to have a machinery and equipment maintenance program to ensure their good conditions.</li> <li>Circulation of vehicles in specific working areas will be restricted and trucks transporting dirt or material which may be spread will be demanded, to the extent possible, to circulate with canvas or else transport the material moisten so as to avoid spreading dust.</li> <li>Dirt roads will be periodically irrigated (when necessary)</li> <li>Construction activities will begin immediately after clearing and grubbing of areas designated to avoid that cleared land be exposed to the wind effect and therefore cause spreading of dust and particles. In the event of delay to begin the construction after having removed the vegetable coverage, the activities of soil retention should begin to control erosion according to the Land Restoration and Conservation Program</li> <li>The concrete plant should have anti-pollution equipment to capture particles.</li> </ul>	<p>Environmental Supervision Program</p> <p>Land Restoration and Conservation Program</p>	2	Temporarily	Complies / Does not comply	<p>Invoices for purchase of treated water for roads irrigation</p> <p>Works Supervision Log</p> <p>Machinery and Equipment Maintenance Program</p> <p>Photographic Record</p>	<p>Lack of Maintenance Program by Contractor</p> <p>Visible emissions of machinery and vehicles and/or</p> <p>Not respecting areas assigned according to work progress</p>	<p>Contractor</p> <p>Manager</p>

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
AIR	IC 2: Noise emissions	<ul style="list-style-type: none"> <li>Contractors will be requested to have a machinery and equipment maintenance program to ensure their good conditions.</li> <li>Vehicle circulation will be restricted to specific working areas</li> <li>We will supervise that the staff in charge of blasting activities and staff working around the area where this will take place use hearing protective equipment specified during the same.</li> <li>Should relevant noise levels be identified, the staff working in said activities should use hearing protective equipment.</li> </ul>	Environmental Supervision Program	2	Temporary	Complies / Does not comply	Works Supervision Log Machinery and Equipment Maintenance Program	Noise emissions disturbing the staff	Contractor Manager

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
LAND	IC 3: Land Erosion	<ul style="list-style-type: none"> <li>Construction activities will begin immediately after clearing and grubbing of areas designated to avoid that cleared land be exposed to the wind effects and therefore cause spreading of dust and particles. In the event of delay to begin the construction after having removed the vegetable coverage, the activities of soil retention should begin to control erosion according to the Land Restoration and Conservation Program</li> <li>The necessary storm drain works will take place to avoid water accumulation and land erosion, mainly in excavations for laying foundations for wind turbines, and other infrastructure works, as well as the ditch for underground electric cabling.</li> <li>The elements for erosion and sediments control should be kept until the land is covered with permanent vegetation.</li> <li>The vegetable soil layer removed will be used to the fullest extent possible in filling-up and leveling. The remnants of vegetation removed will be "crushed" and stored at a specific site, for subsequent reincorporation into the land and/or use in reforestation areas or local plant nurseries.</li> </ul>	<p>Land Restoration and Conservation Program</p> <p>Environmental Supervision Program</p>	2	Temporary	Complies / Does not comply	<p>Works Supervision Log</p> <p>Photographic Report</p>	<p>Presence of land erosion due to lack of works for erosion control</p>	<p>Contractor</p> <p>Manager</p>

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	

<p>LAND</p>	<p>IC 4: Land pollution</p>	<ul style="list-style-type: none"> <li>• Petitioner will ensure, through agreements and periodical inspections, that contractor's authorized vehicles do not show leaking of fuel and/or oil.</li> <li>• Performing maintenance to equipment and machinery in unpaved areas not determined for that purpose will be avoided to the fullest extent possible. If possible, machinery and equipment will be moved to specialized workshops in the area; however, if this is not possible, maintenance will be on site or at the area of Offices for construction, warehouses and temporary parking, following safety protocols and avoiding at all times spills to the land, for which they must place trays or plastic to contain possible leaking or spills.</li> <li>• Contractors will be requested to have a maintenance program for machinery and equipment ensuring their good conditions, so as to avoid to the fullest extent possible carrying out major and minor maintenance on site.</li> <li>• Contractors will be obliged to implement Procedures for Spill Control, as well as the Environmental Training and Awareness Program to ensure that the staff is aware of the procedures to avoid and solve spillage.</li> <li>• All waste generated during the different stages of the project should be stored and disposed of according to the Program for Comprehensive Management of Waste.</li> <li>• The storage area for machinery and equipment should preferably be paved and have material and equipment for spill control.</li> <li>• Should there be any spill of hydrocarbons (oil, grease and fuel), polluted soil will be removed and managed as hazardous waste.</li> </ul>	<p>Environmental Supervision Program</p> <p>Environmental Training and Awareness Program</p> <p>Program for Comprehensive Management of Waste</p> <p>Land Restoration and Conservation Program</p> <p>Procedure for Spill Control</p>	<p>2</p>	<p>Permanent</p>	<p>Complies / Does not comply</p>	<p>Works Supervision Log</p> <p>Machinery and Equipment Maintenance Program</p> <p>Staff attendance record to sessions of the Environmental Training and Awareness Program</p> <p>Waste Management Log</p> <p>Invoice from company in charge of collecting and disposing of hazardous waste</p> <p>Photographic Report</p>	<p>Presence of spills of hydrocarbons or other waste on natural land or unattended spills</p> <p>Storage of waste in areas not destined for that purpose</p> <p>Lack of procedures for spill control</p>	<p>Contractor Manager</p>
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	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
LAND	IC 5: Modification of geological formations	<ul style="list-style-type: none"> <li>Material removed during blasting, cuts and excavations will be used for filling-in and leveling, trying to preserve the original topographic conditions of the site to the extent possible.</li> </ul>	Land Restoration and Conservation Program Program for Comprehensive Management of Waste Environmental Supervision Program	2	Permanent	Complies / Does not comply	Works Supervision Log Photographic Report	Excavation or land movement activities in unauthorized areas according to the work execution program and excavations procedures	Contractor Manager
SURFACE WATER	IC 6: Modification of surface hydrological pattern	<ul style="list-style-type: none"> <li>During construction activities, necessary storm drain works will take place to avoid water accumulation and land erosion, mainly in excavations for laying foundations for wind turbines, and other infrastructure works, as well as the ditch for underground electric cabling.</li> <li>Material generated from blasting, cuts and excavations for foundations should be temporarily stored at sites determined for that purpose, thus avoiding the modification of land run-off patterns by berms. This material will be used for filling-in and leveling, and in the event of excess, this may be disposed of at legally authorized dumps or sites for final disposal.</li> <li>It is strictly forbidden to store material in areas where there could be matter sweeping risks, due to wind or run-off, to the valleys located next to the plateaus.</li> </ul>	Land Restoration and Conservation Program Environmental Supervision Program Program for Comprehensive Management of Waste	2	Temporary	Complies / Does not comply	Photographic Report Supervision Log	Waste accumulation in ditches Creation of berms in unauthorized areas Storage of materials and/or waste in unauthorized areas	Contractor with support from expert in hydraulics Manager

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
SURFACE WATER	IC 7: Pollution of water bodies	<ul style="list-style-type: none"> <li>Material product from removal and rock blasting activities, as well as from cuts and excavations, will be used for filling-in and leveling.</li> <li>It is strictly forbidden to store waste or materials such as oil or hydrocarbons in surrounding areas where there could be a risk of spill and/or sweeping of material due to intermittent streams in the area.</li> <li>Contractors will be required to implement Procedures for Spill Control, as well as the Environmental Training and Awareness Program to ensure that the staff is aware of the procedures to avoid and solve spillage.</li> </ul>	Environmental Supervision Program  Program for Comprehensive Management of Waste  Land Restoration and Conservation Program  Procedure for Spill Control  Environmental Training and Awareness Program	2	Temporary	Complies / Does not comply	Works Supervision Log  Staff attendance record to sessions of the Environmental Training and Awareness Program  Photographic Report	Presence of waste outside areas destined for storage  Presence of spills of hydrocarbons or other waste on natural land or unattended spills  Storage of waste in areas not destined for that purpose  Lack of procedures for spill control	Contractor Manager

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
	IC 8. Reduction of recharging capacity of aquifers	<ul style="list-style-type: none"> <li>Only areas specified for extension of roads, foundations for turbines, provisional works and electric conduction lines will be disassembled as per the specific needs for each stage of the project.</li> <li>If necessary, at areas built such as buildings for operation and maintenance, the necessary works for rain water harvesting and diversion towards absorption wells will be performed.</li> </ul>	Environmental Supervision Program	2	Permanent	Complies / Does not comply	Photographic Report	N/a	Contractor Manager
FAUNA	IC 9: Species displacement	<ul style="list-style-type: none"> <li>Prior to construction activities, techniques in order to drive away the fauna , modification of habitat and capture will be implemented focused on slow-displacement fauna species or fauna listed in NOM-59, in accordance with the Fauna Management and Rescue Subprogram.</li> <li>Construction activities will be scheduled and gradual, according to the work schedule progress.</li> <li>During construction activities no wild fauna species living in the area of study will be captured, chased, hunted, collected, traffic or harmed.</li> <li>In response to the Environmental Training and Awareness Program, training courses will be given to workers to promote care of wild fauna in the area.</li> </ul>	Flora and Fauna Comprehensive Management Program  Fauna Management and Rescue Subprogram  Environmental Training and Awareness Program  Environmental Supervision Program	1, 2	Temporary	Complies / Does not comply	Photographic Report  Register of capture and management of fauna species  Attendance records to training courses for staff  Works Supervision Log	Lack of register of fauna capture and management	Contractor Manager  Support from Academic Institution

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
LANDSCAPE	IC 10: Modification of original landscape	<ul style="list-style-type: none"> <li>During the construction stage, tasks will be performed gradually and according to the stages established in the work schedule.</li> <li>For the presence of machinery and equipment in the area, no mitigation measure is considered; however, it is estimated that once the works are finished, all machinery and equipment will be removed from the site to recover its initial landscape quality.</li> <li>After finishing the construction of the wind farm, a Land Restoration and Conservation Program will be implemented for the entire surface affected. This Program includes restoration activities for the site to restore the soil and grow natural vegetation. There will be special care on the areas where there are underground electric conduction lines to avoid species which roots may cause them some kind of damage.</li> </ul>	<p>Flora and Fauna Comprehensive Management Program</p> <p>Subprogram for Rescue and Relocation of Flora</p> <p>Land Restoration and Conservation Program</p>	2	Temporary	Complies / Does not comply	<p>Work Supervision Report</p> <p>Photographic Report</p>	<p>Location of machinery and equipment outside designated times and areas.</p> <p>Identification of areas temporarily disturbed during site preparation and which are still exposed to erosive processes</p>	Contractor Manager
SERVICES	IC 13: Water demand	<ul style="list-style-type: none"> <li>Water supply during site preparation stage will be through water tank trucks. There are plans for the installation of storage tanks in strategic places, where if necessary, it will be transported by gravity to the work sites using surface pipe or portable water tanks.</li> </ul>	Environmental Supervision Program	2	Temporary	Complies / Does not comply	<p>Supervision Log</p> <p>Invoices of water tank trucks</p> <p>Photographic Record</p>	n/a	Contractor Manager

SERVICES	IC 14: Energy demand	<ul style="list-style-type: none"> <li>During the construction stage, portable diesel generators of 5 to 100 kW will be used.</li> </ul>	Environmental Supervision Program	2	Temporary	Complies / Does not comply	Supervision Log	n/a	Contractor Manager
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IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
					Indicator	Means of Verification	Alert Threshold	

SERVICES	IC 15: Waste management services demand	<ul style="list-style-type: none"> <li>Portable toilets will be installed at working areas for exclusive use by workers. The same supplier of the service will be in charge of cleaning said toilets.</li> <li>Waste generated during the different stages of site preparation will be managed according to their characteristics, differentiating hazardous and non-hazardous waste and taking into consideration the corresponding environmental legislation. Said waste will be disposed of at duly authorized sites with enough capacity. The corresponding permits, agreements and/or contracts will be processed. All this will be contemplated in the Program for Comprehensive Management of Waste.</li> <li>Companies for recycling and/or reuse of solid waste will be contracted as part of the Program for Comprehensive Management of Waste.</li> </ul>	Program for Comprehensive Management of Waste	2	Temporary	Complies / Does not comply	Works Supervision Log	Disposal of waste at unauthorized sites	Contractor Manager
			Environmental Supervision Program				Waste Management Log	Excess of waste accumulated in warehouses	

Table VII.3. Operation Stage

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
AIR	IO 2: Emissions of combustion gas and dust and/or particles	<ul style="list-style-type: none"> <li>Petitioner will make sure that machinery and vehicles used during maintenance activities do not generate smoke or relevant atmospheric emission.</li> <li>Circulation of vehicles in specific working areas will be restricted and trucks transporting dirt or material which may be spread will be demanded, to the extent possible, to circulate with canvas or else transport the material moisten so as to avoid spreading dust.</li> <li>Dirt roads will be periodically irrigated (when necessary)</li> <li></li> </ul>	Environmental Supervision Program	3	Temporary	Complies / Does not comply	Machinery and Equipment Maintenance Program Photographic Record	Lack of Maintenance Program by Contractor Visible emissions of machinery and vehicles	Contractor Manager

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
AIR	IO 3: Noise emissions	<ul style="list-style-type: none"> <li>Currently, noise generation due to operation of wind turbines has been reduced with the design of modern turbines; besides, nacelles have sound isolation devices.</li> <li>The wind farm is located at a considerable distance from the closest population, which is a small town called San Francisco, at the east border of the project's polygon of impact, but at a distance of approximately 3 km from the closest wind turbine; therefore, it is estimated that the population will not be affected.</li> <li>It is worth mentioning that the accurate measurement of sound from wind turbines is very difficult, since at wind speeds of 8 m/s and above, background noise fully masks any noise from the turbine, so we are not considering carrying out measurements of background noise.</li> <li>Petitioner will make sure, through agreements with contractors and periodical inspections, that machinery and vehicles used during maintenance activities do not generate noise levels which may affect workers, and workers will be required to use earplugs.</li> </ul>	Environmental Supervision Program	3	Temporary	Complies / Does not comply	Environmental Supervision Program	n/a	Contractor Manager

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
LAND	IO 4: Land pollution	<ul style="list-style-type: none"> <li>Contractors will be requested to carry inspections and maintenance activities, a program for maintenance of machinery and equipment to ensure their good conditions.</li> <li>Contractors will be obliged to implement Procedures for Spill Control, as well as the Environmental Training and Awareness Program to ensure that the staff is aware of the procedures to avoid and solve spillage.</li> <li>Management of waste generated mainly during preventive and corrective maintenance activities for installations will fulfill the requirements of the Program for Comprehensive Management of Waste and be supervised through the Environmental Supervision Program.</li> <li>Petitioner will make sure, through agreements and periodical inspections, that authorized vehicles of contractors doing the maintenance do not show fuel and/or oil leak, as well as the prohibition of carrying out maintenance to vehicles or machinery within the work area of the Project.</li> <li>Should there be any spill of hydrocarbons (oil, grease and fuels), polluted soil will be removed and managed as hazardous waste.</li> </ul>	<p>Environmental Supervision Program</p> <p>Environmental Training and Awareness Program</p> <p>Program for Comprehensive Management of Waste</p> <p>Land Restoration and Conservation Program</p> <p>Procedure for Spill Control</p>	3	Permanent	Complies / Does not comply	<p>Waste Management Log</p> <p>Invoice from company in charge of collecting and disposing of hazardous waste</p> <p>Photographic Report</p>	<p>Presence of spills of hydrocarbons or other waste on natural land or unattended spills</p> <p>Storage of waste in areas not destined for that purpose</p> <p>Lack of procedures for spill control</p>	<p>Contractor</p> <p>Manager</p>

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
FAUNA	IO 6: Risk of mortality of birds and bats due to collision with turbines  IO 7: Species displacement	<ul style="list-style-type: none"> <li>We will continue with the birds and bats monitoring plan to measure the intensity of the migratory phenomenon at the area affected by the project and analyze its possible interaction with wind turbines installed. This program will accurately determine nesting zones, trajectories, altitudes, seasons and flight peak hours.</li> <li>Anti-perching and flight diverter devices will be installed in the wind farm.</li> <li>To prevent the presence of carrion near wind turbines which may attract predatory birds and maintain the surrounding of wind turbines bases clean (with no high vegetation) so as to prevent it from becoming shelter for preys of predatory birds.</li> <li>To foresee the possibility of momentary stoppage, when birds migration is massive.</li> <li>The supervision by the environmental responsible person of the work will entail a log of dead individuals and species resulting from collision with blades of wind turbines.</li> </ul>	Flora and Fauna Comprehensive Management Program  Fauna Management and Rescue Subprogram  Birds and Bats Monitoring Plan  Environmental Supervision Program	3	Temporary	Complies / Does not comply	Number of anti-perching devices  Inspection Logs  Logs for technical stops in high-risk collision periods  Records of birds and bats collision	Records of birds and bats collision higher than the expected.  Note: These data will be considered once the monitoring program carried out is finished.	Contractor  Manager  Support from Academic Institution
LANDSCAPE	IO 8: Modification of original landscape	<ul style="list-style-type: none"> <li>Wind turbines will be located at the highest areas of the plateaus, and will be visible from considerable distances. There is no mitigation measure for this purpose complete</li> </ul>	N/A	N/A	N/A	N/A	N/A	N/A	N/A

	IDENTIFIED IMPACT	MITIGATION MEASURE	FOLLOW-UP PROGRAM	Stage	Duration	ENVIRONMENTAL INDICATOR			Responsible Party
						Indicator	Means of Verification	Alert Threshold	
LANDSCAPE	IO 11: Demand of cleaning services and waste disposal sites	<ul style="list-style-type: none"> <li>Waste generated during the operation of the project and mainly during maintenance activities will be managed according to their characteristics, differentiating hazardous and non-hazardous waste and taking into consideration the corresponding environmental legislation. Said waste will be disposed of at duly authorized sites with enough capacity. The corresponding permits, agreements and/or contracts will be processed. All this will be contemplated in the Program for Comprehensive Management of Waste.</li> <li>Companies for recycling of solid waste which may be recycled and/or reused will be contracted, to the extent possible, considering the volume generated through the Program for Comprehensive Management of Waste.</li> </ul>	<p>Program for Comprehensive Management of Waste</p> <p>Environmental Supervision Program</p>	2	Temporary	Complies / Does not comply	Waste Management Log	Disposal of waste at unauthorized sites	Contractor Manager

### VII.3. Conclusions

This project consists in the construction and operation of a wind farm in the State of Tamaulipas, with which it intended to generate between 500 and 700 MW total of electric energy. In all, it is foreseen that from 152 to 436 wind turbines of 1.3 to 3.3 MW of capacity could be installed, distributed in Mesas de La Paz and La Sandía. For that purpose, activities involving permanent removal of vegetation will be carried out in 508.51 hectares and temporary removal in 398.72 hectares, if considering the scenario of maximum occupation (433 wind turbines maximum). Approximately 68.93% of the polygon where the project will be located is covered by submontane scrub, 7.81% by deciduous lowland forest, 4.51% by tropical mezquital and 3.35% by low thorny deciduous forest.

With the development of this project, we intend to generate clean and renewable energy for the internal market of the region in order to meet the needs of individuals and corporations. In addition to this benefit for different sectors, having this type of projects in Mexico means an incentive for investors interested in implementing projects for the use of non-polluting alternative energy. Likewise, with the development of this type of projects we aim to avoid generating emissions equivalent to the fuel needed to generate the same amount of electricity through conventional power stations. We believe that with this project we boost the Guidelines of the Kyoto Protocol, decreasing the contribution of greenhouse gas and support the Agreement for Cooperation on Research and Development of Wind Energy Generation Systems.

It is noteworthy that for the assessment of impacts of this statement, the surfaces of maximum involvement were considered, considering the maximum number of wind turbines in each of the stages, the widths of maximum rights of routes and options of longer transmission line routes.

Based on the environmental studies to integrate this Environmental Impact Statement, we believe that the project development **will not put the structure and features of ecosystems described in the environmental system** at risk.

This conclusion arises from demonstrating that we took into account several elements composing the ecosystems and that within the context of relevant impact established in the Regulations in this matter, we prove that although the Project development may generate impacts, the application of preventive and corrective measures will enable not to cause any impact which due to its attributes and nature may cause alterations in ecosystems thus disturbing the continuity of natural processes currently happening in the project area.

Likewise, considering that most adverse impacts identified, in addition to having been classified as low impacts, occur mainly during site preparation and construction stages. Once said stages are concluded, impacts may be naturally assimilated by the environment or through activities focused on restoration, recovery and/or rehabilitation of main environmental factors such as land, flora, fauna and landscape.

In conclusion, it is estimated that the installation of the wind farm will not cause relevant negative environmental impacts on the SA. Besides, an Environmental Quality Follow-up Plan will be developed and implemented with the main objective of applying mitigation and compensation measures necessary, as well as complying with the terms and conditions set forth by the Authority in environmental impact matters.