

ANNEX 1

THE SUSTAINABLE DEVELOPMENT CRITERIA AND INDICATORS MATRIX

The contribution of Mozura Wind Farm to Montenegrin sustainable development goals are evaluated using the following Matrix. It reports in column themes, sectors, objectives of the National Strategy of Sustainable Development of Montenegro and the correspondent selected indicators to evaluate the CDM project impact. In the column “impact” the following scores are inserted: 2 (very positive impact/contribution of the project to SD), 1 (positive impact/contribution of the project to SD), 0 (not relevant impact/contribution of the project to SD), -1 (negative impact/contribution of the project to SD), -2 (very negative impact/contribution of the project to SD).

Theme: Economic Development			
Sector	Objectives	Indicators	Impact
Macro-economic developments	Stimulate the development of service economy, tourism, maritime transport	<ul style="list-style-type: none"> • Production of goods and services in physical units (e.g. number of goods produced, volume of goods produced, weight of goods produced) 	0
		<ul style="list-style-type: none"> • Production of goods and services in monetary terms 	0
Regional development and employment	SME (Small and Medium size Enterprises) development and increase of employment (priority is the northern region and development of mountain and ecotourism, production of food, especially the healthy one, and sustainable forestry)	<ul style="list-style-type: none"> • Total number of employees in each phase of the project 	2
		<ul style="list-style-type: none"> • Contracts type and average net salary 	2
		<ul style="list-style-type: none"> • Number of local companies employed during the designing, construction, implementation or maintenance stages 	2
	Improve the infrastructure (transport, water supply and sewage, electricity supply)	<ul style="list-style-type: none"> • Development of the infrastructures (km of built roads, m3 of distributed water...) 	2
Transport	Improve transportation connections, especially for the northern region, through better maintenance of the existing infrastructures, construction of new ones and development of combined transport	<ul style="list-style-type: none"> • Budget allocated for construction of transport infrastructures 	1
		<ul style="list-style-type: none"> • New roads (Km) 	1
		<ul style="list-style-type: none"> • Roads maintained (Km) 	1
		<ul style="list-style-type: none"> • Contribution to the protection of road infrastructure from the damages caused by excess load of freight vehicles 	1

		<ul style="list-style-type: none"> • Goods transported through combined transport (by volume, weight or number of units) 	
	Full integration of environmental requirements in the development of infrastructure projects and in the adoption of regulations in the field of transport, reduced pollution from transportation and increased transportation safety	<ul style="list-style-type: none"> • Actions taken to increase transportation safety 	0
		<ul style="list-style-type: none"> • Actions taken to integrate environmental requirements in the development of infrastructure projects 	0
Tourism	Diversification of tourist offer in support to the extension of tourist season and attraction of guests with the higher purchasing power	<ul style="list-style-type: none"> • Actions taken to balance the distribution of accommodation facilities 	0
		<ul style="list-style-type: none"> • Increased number of off-season tourists 	0
		<ul style="list-style-type: none"> • Increased number of higher purchasing power tourists 	0
		<ul style="list-style-type: none"> • Education of staff (hours of training) 	0
	Integration of sustainability criteria in sanctioning tourism development projects, especially when it comes to coastal and winter mountain tourism	<ul style="list-style-type: none"> • Application of environmental impact assessment in the implementation of the project 	2
Agriculture and rural development	Providing for a stable and good quality food offer through the increase in competitiveness of domestic producers and sustainable management of resources	<ul style="list-style-type: none"> • Net increase in cultivated areas 	0
		<ul style="list-style-type: none"> • Net increase in high quality food production 	0
		<ul style="list-style-type: none"> • Introduction of greater efficiency in food production 	0
	Rural development and provision of adequate living standard for the rural population	<ul style="list-style-type: none"> • Investments in rural infrastructures (roads, water supply, water sanitation, power supply) 	2
		<ul style="list-style-type: none"> • Increased income of the rural population 	2
Energy	Rational use of electricity with the increase of at least 10% in energy efficiency by 2010 in comparison to	<ul style="list-style-type: none"> • Energy consumption per unit output 	2
		<ul style="list-style-type: none"> • Increase in energy efficiency per unit of production 	2

	2005	<ul style="list-style-type: none"> Losses (%) in the transmission and distribution networks 	2
	Reduction in energy import dependence (optimal use of available national resources and with priority to utilization of renewable sources)	<ul style="list-style-type: none"> Increase (%) of use of clean energy resources 	2
		<ul style="list-style-type: none"> Share of energy generation from renewable sources 	2
		<ul style="list-style-type: none"> Reduction in use of solid fuels 	2
Industry	Improve industry's environmental performance	<ul style="list-style-type: none"> Voluntary mechanisms for improvement of environmental performances (EMAS, ISO) implemented 	1
	Stimulate research, development and innovations	<ul style="list-style-type: none"> Expenditures for research and development 	2
		<ul style="list-style-type: none"> Hours of training of local resources 	1

Theme: Environmental and Natural Resources			
Sector	Objectives	Indicators	Impact
Protection of biodiversity and conservation of natural values (especially in the protected areas)	Increase national nature protected areas to 10% of the territory and protect at least 10% of the coastal zone by 2009	<ul style="list-style-type: none"> Net increase of protected areas 	0
		<ul style="list-style-type: none"> New ecosystems placed under protection regime 	1
	Establish an efficient system for managing nature protected areas	<ul style="list-style-type: none"> Managing systems adopted 	1
	Improve the legal framework for the protection of biodiversity, strengthen human resources and develop an effective system for biodiversity monitoring	<ul style="list-style-type: none"> Not applicable 	0
Water	Ensuring sufficient quantity of good quality drinking water	<ul style="list-style-type: none"> Improvement in the water treatment and supply infrastructure 	0
		<ul style="list-style-type: none"> Losses reduction 	0
		<ul style="list-style-type: none"> Improvement of the water supply system 	0
		<ul style="list-style-type: none"> Impact of water quality: metals (Hg,Pb, Cd, Cr, Cu, Ni, Zn); N and P, toxic substances and BOD 	0
		<ul style="list-style-type: none"> Improvements in the wastewater collection and 	0

		treatment infrastructure	
	Introducing integrated river basin management, with necessary legal and institutional changes and improvements in the quality control and monitoring of waters	<ul style="list-style-type: none"> Increase in the monitoring of water quality (number of stations and/or parameter monitored) 	0
Air	Preserve and, if possible, improve air quality, especially in urban areas	<ul style="list-style-type: none"> Atmospheric emissions: non methanic VOC, CO, CO₂ SO₂, NO_x, particulate matters PM₁₀ and PM_{2,5}, benzene, heavy metals¹ 	2
		<ul style="list-style-type: none"> Adopted strategy for air quality management 	0
Soil	Improvement of soil management and prevention of the causes of land degradation and damages	<ul style="list-style-type: none"> Monitoring and mapping systems for hazardous and harmful substances in soil 	0
		<ul style="list-style-type: none"> Soil fertility control systems introduced 	0
		<ul style="list-style-type: none"> Rational use of fertilizers 	0
		<ul style="list-style-type: none"> Degraded soils recultivated 	0
		<ul style="list-style-type: none"> Measures for protection of eroded areas 	0
Forests	Obtain sustainable forestry certificate (in accordance with Forest Stewardship Council – FSC methodology)	<ul style="list-style-type: none"> Monitoring and control system established 	2
		<ul style="list-style-type: none"> Reconstructed and constructed forest roads 	0
	Renewal and restoration of degraded forests	<ul style="list-style-type: none"> Net increase of forested areas 	0
Spatial planning	Adoption of new spatial plans, updating of the existing ones and integration of sustainability requirements into spatial plans and documents	<ul style="list-style-type: none"> Not Applicable 	0
	Protection of natural and cultural landscapes	<ul style="list-style-type: none"> Surface of natural and cultural areas protected 	1
Sea and coastal zone	Introduction of integral coastal zone management	<ul style="list-style-type: none"> Managing action plans introduced 	1
	Reduction of pollution of the sea and coastal zone	<ul style="list-style-type: none"> Wastewater discharge in marine environments for N, P, BOD, COD, TSS 	1

¹ E.g. As, Cd, Cr, Cu, Hg, Pb, Se, Zn, Ni

Climate change and protection of the ozone layer	Fulfillment of obligations under the international agreements on climate change and reduction in the use of ozone depleting substances	<ul style="list-style-type: none"> Atmospheric emissions for CH₄, N₂O, NO_x, SO_x, CO₂, HFCs, PFCs, SF₆ 	2
		<ul style="list-style-type: none"> Atmospheric emissions for BFC, HCFC, CFC 	2
Waste	Harmonization with the EU legislation, together with strengthening capacities for proper waste handling and enhancing the waste database	<ul style="list-style-type: none"> Production of hazardous waste 	2
		<ul style="list-style-type: none"> Production of non-hazardous waste 	2
		<ul style="list-style-type: none"> Waste reduction (municipal solid waste, special waste, dangerous waste) 	2
		<ul style="list-style-type: none"> Percentage of produced waste that will be recycled 	2
		<ul style="list-style-type: none"> Percentage of produced waste that will be treated in incinerators or in composting plants 	2

Theme: Social Development			
Sector	Objectives	Indicators	Impact
Governance and public participation in decision making	Improve enforcement of laws and implementation of strategic documents, plans and programs, ensuring adequate public participation in the process of their preparation	<ul style="list-style-type: none"> Evidence of stakeholders consultation / Demonstration of local stakeholders support to the project 	2
		<ul style="list-style-type: none"> Evidences of the transparency of the decision making and policy implementation processes 	2
	Prevention of corruption	<ul style="list-style-type: none"> Actions undertaken to prevent corruption 	0
	Decentralization	<ul style="list-style-type: none"> Actions undertaken to improve local capacities 	2
Health care COD, SS system	Improve the health-related VOC quality of life (while promoting healthy life styles)	<ul style="list-style-type: none"> Emissions of particulate, SO_x, NO_x, VOC 	2
		<ul style="list-style-type: none"> Wastewater discharge of N, P, BOD, COD, SS 	2
	Preservation and improvement of public health with particular emphasis on vulnerable groups	<ul style="list-style-type: none"> Not Applicable 	0
Equity and social	Enhancing the quality of social protection	<ul style="list-style-type: none"> Increase of income generation 	2

protection	services and economic empowerment of needy persons	opportunities for local people	
		<ul style="list-style-type: none"> • Actions undertaken to provide social and child protection 	0
	Strengthening gender equality	<ul style="list-style-type: none"> • Employees by gender 	0
		<ul style="list-style-type: none"> • Actions undertaken to prevent discrimination 	0
Urban development	Halting illegal construction and legalization of buildings	<ul style="list-style-type: none"> • Not Applicable 	0
	Improving the quality of life and safety in urban areas, focusing on the living conditions of specific target groups and establishing a responsible attitude of the citizens towards the urban environment		0