

CLEARED BY:  Zachary Taylor  
UNDP Deputy Resident Representative

Date

Project title: Removing Barriers to Wind Power Development in Belarus

Project number: 0087657

Year: 2018

- Goals for the year:
- 1) Enforcement of new/ improved technical norms and standards
  - 2) Organization and implementation of educational activities on wind energy
  - 3) Development of design documentation for the construction of wind farms.
  - 4) Development of activity of WPFI.
  - 5) Identification of investors for wind power projects in Belarus.



Aliaksandr Korbut  
Deputy Minister of Natural Resources and Environmental Protection of the Republic of Belarus

Annual Work Plan

Activity	Description	Unit of measurement	Quantity	Unit cost	Activities by quarters				Implementing partner	Fund	Donor	Account	Account description	Planned financial resources, USD	Annual outputs			
					Q1	Q2	Q3	Q4										
<b>Outcome 1: Secondary Legislation is in place to support wind energy with the support of the project</b>																		
<b>Output 1.1: Develop and agree provisions for institutional infrastructure based on the best European practice and policies, in particular for the State RES Cadastre, RES Inventory, and validation systems.</b>																		
Мероприяття	1.1.1: Cadastre publication including all of the data that is required.	service	1	20600	10300	10300	0	-	MNREP	62000	10003	72100	Contract services - companies	20 600	1. The structure of the database of the RES Cadastre is developed. 2. Each of the sections of the State Cadastre of Renewable Energy Sources is modernized and updated. 3. The missing data are collected, the updated Cadastre is filled with this data. 4. The State Cadastre of RES is tested and, if necessary, corrected. 5. The RES Cadastre is published in an updated form on the Internet.			
	1.1.2: Provide Ministry of Natural Resources and Natural Protection of the Republic of Belarus with manuals from other best practices markets for the implementation of a system to track renewable energy attributes specifically for wind farms.																	Activity is completed in 2015
	1.1.3: Provide a timeline for the future implementation of the certification system.																	
	1.1.3.1 Development of the system of "green" energy certification and creation of the carbon market.	pers/week	3	5 000	14014	0	0	0				71200	International consultants*	14 014	Based on the analytical work carried out in 2017, draft legal acts are prepared that ensure the functioning of the energy certification system produced by RES and the carbon market, which have been agreed with the stakeholders and submitted to the lawmaking body.			
		pers/week	6	600	1200	2400	0	0				71300	National consultants	3 600				
	1.1.4: Provide training for the WESU on maintaining this system																	
	1.1.4.1. Organization of the workshop on discussion of the overriding issues of wind energy development (including the issues of the improved State Cadastre of RES) on the World Wind day on 15 June.	service	1	7000	0	7000	0	0				72100	Contract services - companies (organization of workshops)	7 000	At least 20 participants of the event - representatives of local executive and administrative bodies of the Grodno region, MNREP, RUE BelRC Ecology, Belenergo, the Department for Energy Efficiency, public organizations, the project - expanded their knowledge on the current issues of forming the normative base for wind energy, raised their professional level, receiving current information on the formation of tariffs for RES, the impact of wind power on the environment, the impact of RES facilities on the network, the State Cadastre of RES.			
	1.1.5: Provide educational materials to market participants explaining the value of having such a system in place																	Activity is planned for 2019
	<b>Output 1.1, total GEF, Direct Payments:</b>					14014	0	0				0					14 014	
	<b>Output 1.1, total GEF, UNDP services for project implementation :</b>																	
<b>Output 1.1, total GEF, Direct Cash Transfer:</b>					11 500	19 700	0	0						31 200				
<b>Output 1.1, total GEF:</b>					25 514	19 700	0	0						45 214				
<b>Output 1.2: Formulated and enforced Secondary Legislation</b>																		
1.2.1: Conduct jointly with Wind Energy Support Unit Pro-forma* economic calculations for WPFI's projects supporting proposals for tariff schemes															Activity is completed in 2015			
1.2.2: The Project jointly with WESU will demonstrate that the suggested tariff levels are required and sufficient to incentivize the desired level of construction by benchmarking the economic calculations to European benchmarks (with the addition of appropriate premiums for country risk)															Activity is planned for 2019			
1.2.3: The Project jointly with WESU will develop and present projects from WPFI to the Ministry of Economy with suggested tariff schemes.	pers/week														Activity is completed in 2017			
1.2.4: The Project jointly with WESU will negotiate with private developers, including women, for the inclusion of private projects into the WPFI Project Pool	days	15	38-96	300	300	300	300	71600	Local travel**	1 200	1. The number of attracted qualified investors to participate in the first auction for the sale of a pre-investment asset is at least 3. 2. The minutes of the relevant meetings and negotiations, approved by MNREP, are prepared.							



Output 1.3, total GEF, UNDP services for project implementation :														
Output 1.3, total GEF, Direct Cash Transfer:														
Output 1.3, total GEF:														
Output 1.3, total UNDP, Direct Payments:														
Output 1.3, total UNDP, UNDP services for project implementation :														
Output 1.3, total UNDP, Direct Cash Transfer:														
Output 1.3, total UNDP:														
Output 1.3, total:														
<b>Outcome 1.4: Wind Private Finance Initiative (WPFI) created and operational</b>														
Activities	1.4.1: Finalizing Terms of Reference for WPFI													Activity is completed in 2015
	1.4.2: Finalizing Terms of Reference for staff and hiring WPFI Staff													Activity is completed in 2016
	Output 1.4, total GEF:													
Total for outcome 1, Direct Payments:														
Total for outcome 1, UNDP services for project implementation :														
Total for outcome 1, Direct Cash Transfer:														
Total for outcome 1:														
Total for outcome 1/GEF, Direct Payments:														
Total for outcome 1/GEF, UNDP services for project implementation :														
Total for outcome 1/GEF, Direct Cash Transfer:														
Total for outcome 1/GEF:														
Total for outcome 1/UNDP, Direct Payments:														
Total for outcome 1/UNDP UNDP services for project implementation :														
Total for outcome 1/UNDP, Direct Cash Transfer:														
Total for outcome 1/UNDP:														
<b>Outcome 2: Reduce regulatory risks for investments in wind power in Belarus to the point that at least 5 wind farms are developed, financed, and eventually constructed</b>														
<b>Output 2.1: Awareness-raising program for decision makers</b>														
Activities	2.1.1: The Project Steering Committee meetings will include key decision makers and will emphasize that wind energy can be viable in Belarus.													
	2.1.1.1: Organization of SC meetings													At least 2 sessions of the Project Steering Committee are held per year.
	2.1.2: Through the activities outlined in Outcome 3, WPFI will increase investment activity from both local and foreign developers and investors which will heighten awareness amongst key decision makers.													Activity is planned for 2019
<b>2.1.3: Preparation and dissemination of promotional materials on wind energy.</b>														
Activities	2.1.3.2. Study trips to at least two European countries with highly developed wind power sector for a group of decision makers													Activity is completed in 2016
	2.1.3.3. Preparation of informational materials on wind energy (articles, review, factsheets etc.)													1. At least 10 articles, 5 reviews, 4 information sheets prepared and posted on the project website.
	Output 2.1, total GEF, Direct Payments:													
	Output 2.1, total GEF, UNDP services for project implementation :													
	Output 2.1, total GEF, Direct Cash Transfer:													
Output 2.1, total GEF:														
<b>Output 2.2: Specialized local engineering</b>														
Activities	2.2.1: The project tenders in Output 3.1 will stipulate that whenever possible, local contractors, subcontractors, and engineers must be used.													Activity is completed in 2016 and 2017.
	Output 2.2, total GEF:													
<b>Output 2.3: Introduce RE related curricula at Universities</b>														
Activities	2.3.1: The project tenders, wherever possible, will contain provisions for continued local support of the projects from local technical universities such as the International State Sakharov Environmental University.													Activity is completed in 2017
	2.3.1.1: Organization of training for wind energy specialists with the programme WindPro													
	2.3.1.2: Carrying out training in France for meteorologists on modern software products that improves the quality of weather forecasts used to predict the generation of energy from the wind.													
	Output 2.3, total GEF, Direct Payments:													
	Output 2.3, total GEF, UNDP services for project implementation :													
Output 2.3, total GEF, Direct Cash Transfer:														
Output 2.3, total GEF:														
<b>2.4: Completed support for ancillary services</b>														



3.1.8: WPFI together with WESU will also seek to work through the established procedures with the Ministry of Defense to seek appropriate mitigation for the risks related to obtaining clearance from the Ministry of Defense								
3.1.8.1. Development of guidelines for wind power developers on prefeasibility procedures of sites screening and mitigation of risks related to approval of the sites by the relevant governmental bodies								
3.1.9: Final selection of the sites for development and obtaining of clearances and permits for the construction.								
3.1.9.1. Obtaining land allocation certificate	pers/week	4,5	500	2200	0	0	0	0
	consultancy and design service	1	22000	0	0	0	0	0
3.1.9.2. Obtaining technical specification for the connection to the grid	consultancy and design service	1	7000	0	0	0	0	0
	days	7	60-80	700	0	0	0	0
3.1.10: Transmission review of selected sites.								
3.1.10.1 Organization of the study tour to South Korea on the issues of transmission of energy produced by RES to the grid	pers/days	50-80	250-310	0	23000	0	0	0
3.1.10.2. Modelling various options of development of the power system balance of Belarus	service	1	60000	0	20000	40000	0	0
3.1.11: Securing permission for the selected sites; installation of meteorological towers of 98 m in height (or other equipment)								
3.1.11.1. Wind parameters measurement at the selected sites	pers/week	6	600		1200	1200	1200	
	pers/week	13	500		2200	2200	2200	
	consultancy and design service	1	49587	0	49587	0	0	0
	год	1	1000	1000	0	0	0	0
	days	5	38-96	0	200	96	100	
	мес	12	100-200	237	600	600	0	
	days	5	80-160	700				
	days	3	80-160	300	0	364	0	
3.1.11.2. Dismantling of wind measurement equipment	service	1	35000	0	35000	0	0	
3.1.11.3. Preventive and corrective maintenance of the meteorological equipment				0	0	0	0,00	
3.1.12: WPFI would begin the permitting, Power Purchase Agreement, and grid connection processes with the relevant agencies.								
3.1.12.1. Developing WPFI capacity	service	1	44 000	11 000	11 000	11 000	11 000	

MNREP

62000

10003

								The activity is completed in 2016
71800	Contractor services - individuals	2 200,00						The land allocation certificates are obtained for 4 sites (apart from Veleshkovichi).
72100	Contract services - companies (consultancy and design service)	0,00						
72100	Contract services - companies (consultancy and design service)	0,00						Technical specification for the connection to the grid are obtained for all sites.
72100	Contract services - companies (transport service)	700,00						
71600	International travel **	23 000						1. 8 experts - representatives of MNREP, Ministry of Energy, Belenergo, the Department for Energy Efficiency studied the international experience in transferring energy produced by RES to the grid, as well as experience in other aspects of wind energy development, prepared proposals for optimizing the process of transfer of energy produced by RES, as well as on the development of wind power in Belarus in general.
72100	Contract services - companies (consultancy services)	60 000						1. Several models of the balance of the energy system of Belarus are developed in accordance with the planned strategic vision for the development of renewable energy sources and wind power in particular. 2. Based on the developed models, recommendations are prepared for stakeholders on the development of relevant normative legal acts. 3. The final report is approved by MNREP and the Ministry of Energy.
71300	National consultants	3 600,00						1. The semi-annual phase of the wind measurement campaign is finalized, a corresponding report is prepared and adopted by MNREP. 2. The annual cycle of the wind measurement campaign is completed, the corresponding report is prepared and adopted by MNREP.
71800	Contractor services - individuals	6 600,00						
72100	Contract services - companies (consultancy and design service)	49 587,00						
74500	Insurance costs (services for insurance of wind measurement complexes)***	1 000,00						
71600	Local travel**	396,00						
73400	Equipment maintenance	1 437,00						
72100	Contract services - companies (transport service)**	700,00						
72100	Contract services - companies (transport service)	664,00						
72100	Contract services - companies (service on dismantling)	35 000,00						Dismantling equipment owned by Belhydromet is dismantled at 2 sites for further use in wind-measuring campaigns for updating the Atlas of wind potential
73406	Equipment repair (radar)*	0,00						Preventive maintenance of Doppler weather radar, installed at the National Airport Minsk is performed; instructions for its transfer are prepared.
72100	Contract services - companies (consultancy and design service)	44 000,00						1. The WPFI carries out its activities in accordance with the Terms of Reference and the Charter, monthly reports on the activities of the WPFI are provided in MNREP and approved by MNREP. 2. WPFI obtains certificate of compliance with the performance of the functions of the Customer, the Developer, provision of engineering services in construction.

Activities

3.1.12: Development of the document defining the regulation of the daily load curve of the Belarussian Energy system by the RES installations	service	1	15000	0	0	10000	5000,00		72100	(consultancy service - companies)	Draft of the legal document defining the regulation of the daily load curve of the Belarussian Energy system by the RES installations, which shall reflect a differentiated approach depending on the kind of the renewable source of energy used agreed with the all relevant stakeholders.	15 000,00																											
3.1.13: Working with WPF on a preliminary site layout that includes flexibility on turbine choice.																				30 000,00		72100		Contract services - companies															
3.1.14: Environmental report for investors.																				9 900,00		71800		Contractor services - individuals															
3.1.15: The Project jointly with Wind Energy Support Unit performs Pro Forma analysis on the selected projects and calculates the minimum tariff required to support the financing and construction of all of the selected projects including those from private developers.																																							
3.1.16: The Project jointly with Wind Energy Support Unit negotiates draft Investment Agreement with the Ministry of Economy using the tariff calculated in 3.1.15 above and co-ordinates with other relevant ministries.																																							
3.1.17: After collecting one year of wind data, WPF will provide a financeable report that combines the on-site data with the existing long-term data (suitable for bank debt financing).																				4000		72100		Contract services - companies															
3.1.18: Preparation of Information Memorandum																																							
3.1.19: Consultant for tender of "Construction Ready" projects																																							
3.1.19.1: Development of qualification criteria for the selection of the investors; provision of due-diligence at the process of investor selection, concluding the investment agreement and ensuring financing of the wind mills construction																				10000		71200		International consultant *															
3.1.19.2: Selection of the auction organizer for selling pre-investment assets to the investors																																							
3.1.20: The Project, WPF and the Wind Energy Support Unit will tender the Pre-Investment Assets to investors.																				0		72100		Contract services - companies															
3.1.19.1. Development of qualification criteria for the selection of the investors; provision of due-diligence at the process of investor selection, concluding the investment agreement and ensuring financing of the wind mills construction																				1		71800		Contractor services - individuals															
3.1.19.2: Selection of the auction organizer for selling pre-investment assets to the investors																				4,5		72100		(consultancy service - companies)															
3.1.19.3: Selection of the auction organizer for selling pre-investment assets to the investors																				6		71200		International consultant *															
3.1.19.4: Final report on the selection of investors in the wind power sector of Belarus.																				8		71300		National consultants															
3.1.19.5: Evaluation of the investors' proposals; evaluation report.																																							
3.1.19.6: Final report on the selection of investors in the wind power sector approved by MNRREP.																				4 800,00		71300		National consultants															
3.1.19.7: Terms of reference and tender documentation are prepared for the selection of a consultant for the organization and conduct of an auction for the sale of pre-investment assets.																				1 100,00		71800		Contractor services - individuals															
3.1.19.8: Documents on the pre-qualification of investors are prepared, the documents are approved by MNRREP.																				6 200,00		72100		(consultancy service - companies)															
3.1.19.9: The auction organizer is selected.																																							
3.1.19.10: 1. Pre-qualified investors - a number of investors are identified who will be admitted to the auction for the sale of pre-investment assets.																				8 000,00		72100		Contract services - companies															
3.1.19.11: Investors are selected for the implementation of projects for the construction of wind farms; contracts on the purchase of pre-investment assets are made.																				2 200,00		71800		Contractor services - individuals															
3.1.19.12: Terms of reference and tender documentation are prepared for the selection of a consultant for the organization and holding of the auction; the contract is concluded with such a consultant.																				1 100,00		71800		Contractor services - individuals															
3.1.19.13: Documents on the pre-qualification of investors are prepared, the documents are approved by MNRREP.																				6 200,00		72100		(consultancy service - companies)															
3.1.19.14: The auction organizer is selected.																																							
3.1.19.15: 1. Pre-qualified investors - a number of investors are identified who will be admitted to the auction for the sale of pre-investment assets.																				30 000,00		71200		International consultant *															
3.1.19.16: Short list of investors.																				30 000,00		71200		International consultant *															
3.1.19.17: Guidelines for the investors on the wind farms development in the framework of the project to be included in the tender documentation for the selection of the investors.																																							
3.1.19.18: Evaluation of the investors' proposals; evaluation report.																				4 800,00		71300		National consultants															
3.1.19.19: Terms of reference and tender documentation are prepared for the selection of a consultant for the organization and conduct of an auction for the sale of pre-investment assets.																				1 100,00		71800		Contractor services - individuals															
3.1.19.20: Documents on the pre-qualification of investors are prepared, the documents are approved by MNRREP.																				6 200,00		72100		(consultancy service - companies)															
3.1.19.21: The auction organizer is selected.																																							
3.1.19.22: 1. Pre-qualified investors - a number of investors are identified who will be admitted to the auction for the sale of pre-investment assets.																				8 000,00		72100		Contract services - companies															
3.1.19.23: Investors are selected for the implementation of projects for the construction of wind farms; contracts on the purchase of pre-investment assets are made.																				2 200,00		71800		Contractor services - individuals															
3.1.19.24: Terms of reference and tender documentation are prepared for the selection of a consultant for the organization and holding of the auction; the contract is concluded with such a consultant.																				1 100,00		71800		Contractor services - individuals															
3.1.19.25: Documents on the pre-qualification of investors are prepared, the documents are approved by MNRREP.																				6 200,00		72100		(consultancy service - companies)															
3.1.19.26: The auction organizer is selected.																																							
3.1.19.27: 1. Pre-qualified investors - a number of investors are identified who will be admitted to the auction for the sale of pre-investment assets.																				30 000,00		71200		International consultant *															
3.1.19.28: Short list of investors.																				30 000,00		71200		International consultant *															
3.1.19.29: Guidelines for the investors on the wind farms development in the framework of the project to be included in the tender documentation for the selection of the investors.																																							
3.1.19.30: Evaluation of the investors' proposals; evaluation report.																				4 800,00		71300		National consultants															
3.1.19.31: Terms of reference and tender documentation are prepared for the selection of a consultant for the organization and conduct of an auction for the sale of pre-investment assets.																				1 100,00		71800		Contractor services - individuals															
3.1.19.32: Documents on the pre-qualification of investors are prepared, the documents are approved by MNRREP.																				6 200,00		72100		(consultancy service - companies)															
3.1.19.33: The auction organizer is selected.																																							
3.1.19.34: 1. Pre-qualified investors - a number of investors are identified who will be admitted to the auction for the sale of pre-investment assets.																				8 000,00		72100		Contract services - companies															
3.1.19.35: Investors are selected for the implementation of projects for the construction of wind farms; contracts on the purchase of pre-investment assets are made.																				2 200,00		71800		Contractor services - individuals															
3.1.19.36: Terms of reference and tender documentation are prepared for the selection of a consultant for the organization and holding of the auction; the contract is concluded with such a consultant.																				1 100,00		71800		Contractor services - individuals															
3.1.19.37: Documents on the pre-qualification of investors are prepared, the documents are approved by MNRREP.																				6 200,00		72100		(consultancy service - companies)															
3.1.19.38: The auction organizer is selected.																																							
3.1.19.39: 1. Pre-qualified investors - a number of investors are identified who will be admitted to the auction for the sale of pre-investment assets.																				30 000,00		71200		International consultant *															
3.1.19.40: Short list of investors.																				30 000,00		71200		International consultant *															
3.1.19.41: Guidelines for the investors on the wind farms development in the framework of the project to be included in the tender documentation for the selection of the investors.																																							
3.1.19.42: Evaluation of the investors' proposals; evaluation report.																				4 800,00		71300		National consultants															
3.1.19.43: Terms of reference and tender documentation are prepared for the selection of a consultant for the organization and conduct of an auction for the sale of pre-investment assets.																				1 100,00		71800		Contractor services - individuals															
3.1.19.44: Documents on the pre-qualification of investors are prepared, the documents are approved by MNRREP.																				6 200,00		72100		(consultancy service - companies)															
3.1.19.45: The auction organizer is selected.																																							
3.1.19.46: 1. Pre-qualified investors - a number of investors are identified who will be admitted to the auction for the sale of pre-investment assets.																				8 000,00		72100		Contract services - companies															
3.1.19.47: Investors are selected for the implementation of projects for the construction of wind farms; contracts on the purchase of pre-investment assets are made.																				2 200,00		71800		Contractor services - individuals															
3.1.19.48: Terms of reference and tender documentation are prepared for the selection of a consultant for the organization and holding of the auction; the contract is concluded with such a consultant.																				1 100,00		71800		Contractor services - individuals															
3.1.19.49: Documents on the pre-qualification of investors are prepared, the documents are approved by MNRREP.																				6 200,00		72100		(consultancy service - companies)															
3.1.19.50: The auction organizer is selected.																																							
3.1.19.51: 1. Pre-qualified investors - a number of investors are identified who will be admitted to the auction for the sale of pre-investment assets.																				8 000,00		72100		Contract services - companies															
3.1.19.52: Investors are selected for the implementation of projects for the construction of wind farms; contracts on the purchase of pre-investment assets are made.																				2 200,00		71800		Contractor services - individuals															
3.1.19.53: Terms of reference and tender documentation are prepared for the selection of a consultant for the organization and holding of the auction; the contract is concluded with such a consultant.																				1 100,00		71800		Contractor services - individuals															
3.1.19.54: Documents on the pre-qualification of investors are prepared, the documents are approved by MNRREP.																				6 200,00		72100		(consultancy service - companies)															
3.1.19.55: The auction organizer is selected.																																							
3.1.19.56: 1. Pre-qualified investors - a number of investors are identified who will be admitted to the auction for the sale of pre-investment assets.																				30 000,00		71200		International consultant *															
3.1.19.57: Short list of investors.																				30 000,00		71200		International consultant *															
3.1.19.58: Guidelines for the investors on the wind farms development in the framework of the project to be included in the tender documentation for the selection of the investors.																																							
3.1.19.59: Evaluation of the investors' proposals; evaluation report.																				4 800,00		71300		National consultants															
3.1.19.60: Terms of reference and tender documentation are prepared for the selection of a consultant for the organization and conduct of an auction for the sale of pre-investment assets.																				1 100,00		71800		Contractor services - individuals															
3.1.19.61: Documents on the pre-qualification of investors are prepared, the documents are approved by MNRREP.																				6 200,00		72100		(consultancy service - companies)															
3.1.19.62: The auction organizer is selected.																																							
3.1.19.63: 1. Pre-qualified investors - a number of investors are identified who will be admitted to the auction for the sale of pre-investment assets.																				8 000,00		72100		Contract services - companies															
3.1.19.64: Investors are selected for the implementation of projects for the construction of wind farms; contracts on the purchase of pre-investment assets are made.																				2 200,00		71800		Contractor services - individuals															
3.1.19.65: Terms of reference and tender documentation are prepared for the selection of a consultant for the organization and holding of the auction; the contract is concluded with such a consultant.																				1 100,00		71800		Contractor services - individuals															
3.1.19.66: Documents on the pre-qualification of investors are prepared, the documents are approved by MNRREP.																				6 200,00		72100		(consultancy service - companies)															
3.1.19.67: The auction organizer is selected.																																							
3.1.19.68: 1. Pre-qualified investors - a number of investors are identified who will be admitted to the auction for the sale of pre-investment assets.																				30 000,00		71200		International consultant *															
3.1.19.69: Short list of investors.																				30 000,00		71200		International consultant *															
3.1.19.70: Guidelines for the investors on the wind farms development in the framework of the project to be included in the tender documentation for the selection of the investors.																																							
3.1.19.71: Evaluation of the investors' proposals; evaluation report.																				4 800,00		71300		National consultants															
3.1.19.72: Terms of reference and tender documentation are prepared for the selection of a consultant for the organization and conduct of an auction for the sale of pre-investment assets.																				1 100,00		71800		Contractor services - individuals															
3.1.19.73: Documents on the pre-qualification of investors are prepared, the documents are approved by MNRREP.																				6 200,00		72100		(consultancy service - companies)															
3.1.19.74: The auction organizer is selected.																																							
3.1.19.75: 1. Pre-qualified investors - a number of investors are identified who will be admitted to the auction for the sale of pre-investment assets.																				8 000,00		72100		Contract services - companies															
3.1.19.76: Investors are selected for the implementation of projects for the construction of wind farms; contracts on the purchase of pre-investment assets are made.																				2 200,00		71800		Contractor services - individuals															

Activities	3.2.2: The Project together with WPFI and WESU will work with International Financial Institutions to identify and evaluate debt solutions.								MNREP	62000	10003					The activity is completed in 2017.							
	3.2.3: The Project together with WPFI and WESU will provide term sheets for debt, as part of the Tenders, for the above projects based on international market terms and conditions.															The activity is completed in 2017.							
	3.2.4: The Project together with WPFI and WESU will prepare term sheets for debt for projects that are currently being developed by developers such as Triple and Ecotech based on international market terms and conditions.															The activity is completed in 2017.							
	Output 3.2., total GEF, Direct Payments:															0	0	0	0	0			
	Output 3.2., total GEF, UNDP services for project implementation :															0	0	0	0	0			
	Output 3.2., total GEF, Direct Cash Transfer:															1 200	600	600	1 200	3 600			
<b>Output 3.2., total GEF:</b>								<b>1200</b>	<b>600</b>	<b>600</b>	<b>1200</b>	<b>3600</b>											
<b>Output 3.3: Completed support for the preparation of development work on the targeted sites</b>																							
Activities	3.3.1: Completing the investment justification stage and preparation of pre-feasibility studies for construction and commissioning of wind energy plants in excess of 25 MW								MNREP	62000	10003												
	3.3.1.1. Organization of participation of Belarusian distinguished specialists in the sphere of RES in thematic conferences, forums, to promote wind power investment to Belarus.																	72100	Contract services - companies ( service for organization of study tours)	10 000	1. At least 12 specialists from MNREP, the Ministry of Energy, the Department for Energy Efficiency, the MART, the Ministry of Finance raised their level of knowledge about the planning, financing and implementation of the project for the construction of a wind farm, and also increased their professional potential to attract partners and investors to implement renewable energy projects in Belarus .		
	service	1	10000	0	0	10000	0																
	pers/days	60-80	250-350	0	5000	13000	4000	71600										International travel **	22 000				
	Output 3.3., total GEF, Direct Payments:																	0	0	0	0		
	Output 3.3., total GEF, UNDP services for project implementation :																	0	5000	13000	4000	22 000	
	Output 3.3., total GEF, Direct Cash Transfer:																	0	0	10 000	0	10 000	
<b>Output 3.3., total GEF:</b>								<b>0</b>	<b>5000</b>	<b>23000</b>	<b>4000</b>	<b>32000</b>											
Total for outcome 3, Direct Payments:								0	10 000	10 000	10 000	30 000											
Total for outcome 3, UNDP services for project implementation :								700	28 200	13 096	4 100	46 096											
Total for outcome 3, Direct Cash Transfer:								29 427	183 587	130 964	72 400	416 378											
<b>Total for outcome 3:</b>								<b>30 127</b>	<b>221 787</b>	<b>154 060</b>	<b>86 500</b>	<b>492 474</b>											
Total for outcome 3/GEF, Direct Payments:								0	10 000	10 000	10 000	30 000											
Total for outcome 3/GEF, UNDP services for project implementation :								700	28 200	13 096	4 100	46 096											
Total for outcome 3/GEF, Direct Cash Transfer:								29 427	183 587	130 964	72 400	416 378											
<b>Total for outcome 3/GEF:</b>								<b>30 127</b>	<b>221 787</b>	<b>154 060</b>	<b>86 500</b>	<b>492 474</b>											
<b>Total for outcome 3/UNDP:</b>								<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>											
<b>Outcome 4: At least 5 wind farm projects are successfully developed and the Wind Energy Support Unit continues to operate past the lifetime of the project</b>																							
<b>Output 4.1: Validation of data in existing Wind Atlas of Belarus</b>																							
Activities	4.1.1: Site specific wind studies for at least (5) project sites will be used to validate the existing Wind Atlas of Belarus.								MNREP	62000	10003						Activity is planned for 2019						
	Результат 4.1 , итого ГЭФ:																						
<b>4.2: Completed Web portal for the project</b>																							
Activities	4.2.1: Develop a project site/portal								MNREP	62000	10003												
	4.2.1.1. Maintaining the web-site updated, preparation of informational materials for the web-site, liaising with the public and stakeholders on the issues of project implementation.																	72100	Contract services - companies	4800	1. The website of the project is maintained in an up-to-date state, the number of users increases monthly.		
	мес.	12	400	1200	1200	1200	1200																
	pers/week	20	600	1200	3600	3600	3600	71300										National consultants	12000	2. At least 80 articles, reviews, press releases are prepared and posted on the site.			
	4.2.2: The Project will support the MNRE in validation and actualization of the Wind Atlas of Belarus and will place the validated version on the Project's web portal.																						Activity is planned for 2019
	4.2.3: Publish all relevant documentation on the web portal including project tender documents and information memorandums.																	0	0	0	0	0	For the duration of the project, the documentation is posted on the project's website.
	4.2.4: Development of the brochures explaining the value proposition of wind energy. These brochures will also be available on the web portal.																	04000	00012	74210	Audio Visual & Print Prod Costs	4000	Preparation and printing of brochures on 1) EIA - of circulation not less than 200 copies; and 2) De-risking study - of at least 100 copies.
4.2.4.1: Production of bill-boards on popularization of wind energy								62000	10003	74210	Audio Visual & Print Prod Costs	3000	At least 3 bill-boards on popularization of wind energy to be produced and placed on the busiest roads of the Minsk, Mogilev and Vitebsk regions.										
Output 4.2, total GEF, UNDP services for project implementation:								0	0	0	0	0											
Output 4.2, total GEF, Direct Cash Transfer:								2 400	7 800	4 800	4 800	19 800											
<b>Output 4.2, total GEF :</b>								<b>2 400</b>	<b>7 800</b>	<b>4 800</b>	<b>4 800</b>	<b>19 800</b>											
Output 4.2, total UNDP, Direct Payments:								0	0	0	0	0											
Output 4.2, total UNDP, UNDP services for project implementation:								0	0	0	0	0											
Output 4.2, total UNDP, Direct Cash Transfer:								2000	2000	0	0	4 000											
<b>Output 4.2, total UNDP:</b>								<b>2000</b>	<b>2000</b>	<b>0</b>	<b>0</b>	<b>4 000</b>											
<b>Output 4.2, Total:</b>								<b>4 400</b>	<b>9 800</b>	<b>4 800</b>	<b>4 800</b>	<b>23 800</b>											
<b>Outcome 4.3: Completed site study visits as part of project due diligence process.</b>																							
Результат 4.3 , итого ГЭФ:								0	0	0	0	0											

Outcome 4.1: Developed, reviewed, revised, finalized and published Lessons Learned study

Activities		pers/week	days	Outcome 4.1, Total GEF:					4.1: After 24-months, the Project will hire an international consultant to perform an intermediate review.
4500	Mid-term review of the project implementation is undertaken, a relevant report is prepared and approved by UNDP and MNRREP.	9	3	4500	300,000	0	0	0	4500
				4800					
<b>Total for outcome 4, Direct Payments:</b>									
<b>Total for outcome 4, UNDP services for project implementation : 4 800</b>									
<b>Total for outcome 4, Direct Cash Transfer: 4 800</b>									
<b>Total for outcome 4: 9200</b>									
<b>Total for outcome 4: GEF, UNDP services for project implementation : 4 800,000</b>									
<b>Total for outcome 4: GEF, Direct Cash Transfer: 4 800</b>									
<b>Total for outcome 4: GEF: 4 800</b>									
<b>Total for outcome 4: UNDP: 2 000</b>									
<b>Total for outcome 4: UNDP, Direct Payments: 2 000</b>									
<b>Total for outcome 4: UNDP: 4 800</b>									
<b>Total for outcome 4: UNDP, Direct Cash Transfer: 4 800</b>									
<b>Total for outcome 4: UNDP, Direct Payments: 4 800</b>									
<b>Total for outcome 4: UNDP: 4 800</b>									
<b>Total for outcome 4: UNDP, Direct Cash Transfer: 4 800</b>									
<b>Total for outcome 4: UNDP: 4 800</b>									

Project management		pers/week		500-600		120-30		2000		120		14350		12929		14350		Project management, total UNDP:	
1	The Project Steering Committee monitors the implementation of the project, as well as compliance with the established quality standards, timelines and budget constraints.	480	2	480	2000	120	120	2000	120	120	14350	12929	14350	120	120	14350	12929	4785	1421
2	Target indicators defined in the project documentation are achieved.	2000	3	2000	300	300	300	300	300	300	1000	14770	14770	14770	14770	14770	14770	7205	1421
3	Reports required under the Letter of Agreement and national legislation on technical assistance are prepared and sent in due course to MNRREP, UNDP and the Ministry of Economy.	4000	4	4000	1000	1000	1000	1000	1000	1000	14349	15770	15770	15770	15770	15770	15770	4785	1421
4	The data necessary to reflect the progress of the project in the ATLAS system are prepared and handed over to UNDP.	20556	30	20556	500-600	4785	14350	1421	1421	1421	14349	15770	15770	15770	15770	15770	15770	4785	1421
5	The draft annual work plan for 2019 is developed and approved by MNRREP and UNDP.	3500	1	3500	3500	3500	3500	3500	3500	3500	1000	14770	14770	14770	14770	14770	14770	4785	1421
6	The audit of the project for the financial year of 2017 is undertaken, a relevant report is prepared and submitted to UNDP and MNRREP.	3500	1	3500	3500	3500	3500	3500	3500	3500	1000	14770	14770	14770	14770	14770	14770	4785	1421
																		<b>Project management, total UNDP: 4785</b>	
																		<b>4785</b>	
																		<b>17850</b>	
																		<b>1421</b>	

TOTAL PROJECT/GEF:													
Total Project, UNDP services for project implementation : 6 800													
Total Project, Direct Cash Transfer: 59 332													
TOTAL PROJECT/GEF: 74 061													
Total Project GEF, Direct Payments: 17 214													
Total Project GEF, UNDP services for project implementation : 6 500													
Total Project GEF, Direct Cash Transfer: 50 347													
TOTAL PROJECT/UNDP: 9 285													
Total Project UNDP, Direct Payments: 0													
Total Project UNDP, UNDP services for project implementation : 300													
Total Project UNDP, Direct Cash Transfer: 8 985													
TOTAL PROJECT/UNDP: 26 150													
Total Project UNDP, UNDP services for project implementation : 300													
Total Project UNDP, Direct Cash Transfer: 22 350													
TOTAL PROJECT/UNDP: 2 921													
Total Project GEF, UNDP services for project implementation : 5 100													
Total Project GEF, Direct Cash Transfer: 174 313													
TOTAL PROJECT/UNDP: 6 300													
Total Project UNDP, Direct Payments: 0													
Total Project UNDP, UNDP services for project implementation : 300													
Total Project UNDP, Direct Cash Transfer: 2 621													
TOTAL PROJECT/UNDP: 6 000													
Total Project, UNDP services for project implementation : 5 400													
Total Project, Direct Cash Transfer: 14 396													
TOTAL PROJECT/GEF: 198 409													
Total Project GEF, Direct Payments: 10 000													
Total Project GEF, UNDP services for project implementation : 10 000													
Total Project GEF, Direct Cash Transfer: 17 214													
TOTAL PROJECT: 83 346													
Total Project, UNDP services for project implementation : 10 000													
Total Project, Direct Cash Transfer: 174 057													
TOTAL PROJECT: 201 330													
Total Project, UNDP services for project implementation : 10 000													
Total Project, Direct Cash Transfer: 168 752													
TOTAL PROJECT/UNDP: 114 019													
Total Project UNDP, Direct Payments: 0													
Total Project UNDP, UNDP services for project implementation : 3 500													
Total Project UNDP, Direct Cash Transfer: 20 556													
TOTAL PROJECT/UNDP: 24056													
Total Project UNDP, Direct Payments: 0													
Total Project UNDP, UNDP services for project implementation : 3 500													
Total Project UNDP, Direct Cash Transfer: 20 556													
TOTAL PROJECT/UNDP: 24056													
Total Project GEF, UNDP services for project implementation : 0													
Total Project GEF, Direct Cash Transfer: 34959													
TOTAL PROJECT/GEF: 34959													
Total Project GEF, UNDP services for project implementation : 0													
Total Project GEF, Direct Cash Transfer: 4 000													
TOTAL PROJECT/GEF: 4 000													
Total Project GEF, UNDP services for project implementation : 0													
Total Project GEF, Direct Cash Transfer: 14 770													
TOTAL PROJECT/GEF: 14 770													
Total Project GEF, UNDP services for project implementation : 0													
Total Project GEF, Direct Cash Transfer: 7 205													
TOTAL PROJECT/GEF: 7 205													
Total Project GEF, UNDP services for project implementation : 0													
Total Project GEF, Direct Cash Transfer: 1 000													
TOTAL PROJECT/GEF: 1 000													
Total Project GEF, UNDP services for project implementation : 0													
Total Project GEF, Direct Cash Transfer: 1 000													
TOTAL PROJECT/GEF: 1 000													
Total Project GEF, UNDP services for project implementation : 0													
Total Project GEF, Direct Cash Transfer: 14 770													
TOTAL PROJECT/GEF: 14 770													
Total Project GEF, UNDP services for project implementation : 0													
Total Project GEF, Direct Cash Transfer: 2 4056													
TOTAL PROJECT/GEF: 24056													

UNDP Programme Officer Yves Tchouba

Project Manager Maryna Belavus

682 752,00     0,000000000000     682 752

UNDP Programme Officer Yves Tchouba

Project Manager Maryna Belavus

682 752,00     0,000000000000     682 752