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Annual Work Plan

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Date OS OS KO17

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Project title: Project number: Goals for the year: Removing Barriers to Wind Power Development in Belarus 00087557

- 2017

  1)Develop new/ improved technical norms and standards
  2) Organization and implementation of educational activities
  3) Development of feasibility studies and design documentation for the construction of wind farms.
  4) Development of activity of WPFI.
  5) Identification of efficient forms and conditions of financing of wind power projects in Belarus.

vity	Description	Unit of	Quantity	Unit cost		Activities	by quarters		Implement-ing	Fund	Donor	Account	Account description	Planned financial	Annual outputs
		measure-ment			Q1	Q2	Q3	Q4	partner				F	resources, USD	· ·
e 1: Sec	ondary Legislation is in place to support wind energy with the support of the project										l .			<u> </u>	
.1: Dev	elop and agree provisions for institutional infrastructure based on the best European pi	ractice and polic	ies, in particul	ar for the State	RES Cada	stre, RES	Inventory, and	d validatio	n systems.	-					
		T 1	-			· ·		Ι	·		<u> </u>			<del></del>	1. Renewable Energy Sources (RES) Cadaster software and data are updated;
					0	0	0	0						0	Cadaster is fully functional and is used by RES developers.
	1.1.1: Cadastre publication including all of the data that is required.								1 1						2. International experience is taken into account when updating the RES Cada
		pers/wk	28	600	4800	6 000	6000	0	1			71300	Local consultants	16 800	
		ļ						ļ							The additional includes 1 2016
	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.			100 A	0	0	0	0						0	The activity was implemented in 2015.
	1.1.3: Provide a timeline for the future implementation of the certification system.	pers/wk	4	5 000	5000	15000						71200	T_4	20.000	1. A review and analysis of international experience on energy certification pr
	1.1.5. Provide a time microir the fatare implementation of the certification system.	pers/wk	4	3 000	3000	13000						71200	International consultants*	20 000	RES has been made. A relevant report is approved by MNREP.  2. A concept of "green certificate" for the energy produced by RES is develop
									MNREP	62000	10003				3. Proposals on developing new legal acts providing for functioning of the sys
			10	(00)	1200	4000						<b>-1000</b>		1	certification of energy produced by RES.
		pers/wk	10	600	1200	4800	U	0				71300	Local consultants	6 000	
	1.1.4: Provide training for the WESU on maintaining this system	services	1	15000	0	0	15 000	0		177.00	Augusta	72100	Contractor services - companies (training organization)	15 000	Training for the specialists on the issues on RES Cadaster maintenance and reenergy certification is organized.
		pers/days	40	300-400	0	0	15 000					71 600	International travel**	15 000	
	1.1.5: Provide educational materials to market participants explaining the value of having					0	0	0							
	such a system in place Output 1.1, total GEF, Direct Payments:		i		5000	15000	15000								The activity is planned for 2018.
	Output 1.1, total GEF, UNDP services for project implementation:				5000	15000	15000 15000	0						35000	
	Output 1.1, total GEF, Direct Cash Transfer:				6 000	10 800	6 000	0						15000 22 800	
	Output 1.1, total GEF:				11 000	25 800	36 000	0						72 800	
	ulated and enforced Secondary Legislation												***************************************	1 .2 0001	
	1.2.1: Conduct conjointly with Wind Energy Support Unit Pro-forma* economic calculations for WPFI's projects supporting proposals for tariff schemes				0	0	0	0						0	The activity was implemented in 2015.
	1.2.2: The Project conjointly 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)			***************************************			THE PARTY OF THE P							0	
-											Ļ				The activity is planned for 2018.
								ĺ							<ol> <li>The tariff for the wind power projects is calculated based on the RAB-methinto account concrete data of the projects already implemented in the Republic</li> </ol>
	1.2.3: The Project conjointly with WESU will develop and present projects from WPFI to the Ministry of Economy with suggested tariff schemes.	pers/wk	2	600	1200	0	0	o				71300 I	Local consultants	1 200	Belarus.  2. Based on the results of such calculation the recommendations on the tariff methodology for the Ministry of Economy and Ministry of Antimonopoly Regu

	1.2.4: The Project conjointly with WESU will negotiate with private developers, includin women, for the inclusion of private projects into the WPFI Project Pool	g days	40	33-82	650	650	650	650			Total Control of the	71600	Local travel**	2 60	Negotiations with the companies implementing the projects on wind energy are held to increase the number of potential investors to take part in the auction on pre-investment assets for the wind energy projects.     Ninutes of such meetings are prepared and approved by MNREP.
Activities	1.2.5: Negotiate Investment Agreements for Project Pool with a single tariff rate for the entire Project Pool.					0 0		0 (	0 MNREP	04000	00012		***************************************		0
Acti	1.2.6: Cooperate with the European Union project and any other relevant projects, including representatives on Steering Committee in establishing the proposed tariff schem 1.2.6.1. Development of the draft legal act regulating the share of RES installations commissioned annually.	pers/wk	8	600	2400	2400		0	D	04000	00012	7130	0 Local consultants	4 800	The activity is planned for 2018.  1. A draft of the legal act regulating the issues of the number of wind power stations commissioning is prepared.  2. Substantiation for the endorsement of such legal acts is developed.  3. The draft legal act and substantiation are considered and approved by the stakeholders.
	1.2.7: Prepare a report for the Ministry of Economy to suggest adapting the above tariff scheme in Secondary Legislation implementing Law on RES 1.2.7.1. Development of the draft legal act regulating the issues of the tariff for the energy produced by RES	, pers/wk	6	600	1200	2400		0 0		70000		7130	0 Local consultants	3 600	1. A draft legal act regulating the issues of the tariff formation for the wind energy is prepared.     2. A rationale for the elaborated legal act is drafted.     3. The developed draft legal act and the rationale are considered and approved by the stakeholders.
	1.2.8: The project will analyze and prepare reports on two concepts for the tariff scheme demonstrating that the tariffs are harmonized with the best European practice.	pers/wk	2	5000	5000	5000	(	D 0	The state of the s			7120	0 International consultants*	10 000	The best practices of RES tariff formation in European countries and in CIS (Russian Federation and Ukraine) are reviewed and analyzed.     The best practices and an optimal tariff to be adopted in Belarus are identified.     Recommendations on approaches and methods of tariff formation for RES are developed. A relevant report is approved by MNREP.
	Output 1.2, total UNDP, Direct Payments:	<u> </u>	<u> </u>		5000	5000	0	0						10000	
	Output 1.2, total UNDP, UNDP services for project implementation:				650		650							10000 2600	
	Output 1.2, total UNDP, Direct Cash Transfer:		4 800		0			<del> </del>				9 600			
	Output 1.2, total UNDP:		10450	<del></del>	650	650				I		22 200			
	ew/Improved Technical Norms and Standards	Output 1.2, tot	tal UNDP:		10450	10450	650	650	L					22 200	
	1.3.1.1. Review and analysis of international experience for regulation and application of techniques for wind turbine positioning, connection of wind farms to grid		e de la companya de l		0	0	0	0	7111					0	
	1.3.1.2. Development of proposals for introduction of new and improved technical norms in the sphere of wind power development, including drafts of the relevant terms of reference.				0	0	0	0			10003			0	The activity was implemented in 2016.
		month	6	50	75	75	75	75	MNREP	62000		72100	Contractor services - companies (information provision services)	i	The drafts of the technical standards in wind energy are developed and approved by MNREP and recommended for the endorsement in accordance with the national legislation.
·	1.3.1.3. Development of the drafts of the technical regulatory documents accroding to the terms of reference developed under item 1.3.1.2.	standard	4	3000	0	4000	4000	4000		***		72100	Contractor services - companies (development of technical standards)	12 000	
s,		pers/wk	16	600	0	2400	4800	2400				71300	Local consultants	9 600	
Activities		services	6	7	0	0	0	49				72100	Contractor services - companies ( services of icetrade.by)	49	<ol> <li>State-of-the-art tendencies in technical regulation of wind energy are presented and discussed with the stakeholders.</li> <li>The developed legal acts and technical standards are presented to the stakeholders.</li> <li>Printed materials with information on wind energy is disseminated among the public.</li> </ol>
	1.3.1.4. Organization of the conference on technical standards in Wind power developmen	conference	2	2000-8000	0	0	0	8000		4000	00012		Contractor services - companies (conference organization)	8 000	
		number of copies printed	1	2000	0	0	0	2000				74200	Audio Visual & Print Prod Costs	2 000	
	Output 1.3, total GEF, Direct Payments:		0	0	0	0						0			
	Output 1.3, total GEF, UNDP services for project implementation:				0	o	0	0						0	
	Output 1.3, total GEF, Direct Cash Transfer:		75	6 475	8 875	6 524						21 949			
	Output 1.3, total GEF:		75	6 475	8 875	6 524						21 949			
	Output 1.3, total UNDP, Direct Payments:		0	0	0	0						0			
	Output 1.3, total UNDP, UNDP services for project implementation:		0	0	0	0						0			
	Output 1.3, total UNDP, Direct Cash Transfer:		0	0	0							10 000			
	Output 1.3, total UNDP:				0	0	0	10 000						10 000	

75 6475

8875 16 524

31 949

Output 1.3, total:

Outcome 1.4:	Wind Private Finance Initiative (WPFI) created and operational														AND
	1.4.1: Finalizing Terms of Reference for WPFI					0 (		0 (	0	T	T		1		0 The activity was implemented in 2015.
Activities	1.4.2: Finalizing Terms of Reference for staff and hiring WPFI Staff					0 (		0 (	0 MNREP	62000	10003				The activity was implemented in 2016.
Ψ¢		Output 1.4, to	otal GEF:			0 (		0 (	0						0
tal for outco	me 1, Direct Payments:				10 000	20 000	15 000	0	)					45 00	00
otal for outco	me 1, UNDP services for project implementation :				650	650	15 650	650	)					17 60	00
otal for outco	me 1, Direct Cash Transfer:				10 873	22 075	14 875	16 524	/				***************************************	64 34	19
otal for outco	ome I:		**		21 52	5 42 725	45 525	17 174	4					126 94	49
otal for outco	me 1/GEF, Direct Payments:				5 000	15 000	15 000	0						35 00	0
otal for outcom	me 1/GEF, UNDP services for project implementation:	******			1 0	0	15 000	0						15 00	0
tal for outco	me 1/GEF, Direct Cash Transfer:	6 075	17 275	14 875	6 524	1					44 74	9			
otal for outco	ome 1/GEF:	11 07	32 275	44 875	6 524	4				10	94 74	19			
otal for outcor	me 1/UNDP, Direct Payments:	5 000	5 000	0	0	,					10 00	0			
tal for outcor	me 1/UNDP UNDP services for project implementation:				650	650	650	650						2 60	0
	me 1/UNDP, Direct Cash Transfer:	,	***************************************		4 800	4 800	0	10 000	-					19 60	
	ome 1/UNDP:				10 450			10 650						32 20	
	educe regulatory risks for investments in wind power in Belarus to the point that at lea		tikangin panka mbankit	jej marenjem,	i			Some and the state of			200 Sec. 200 April 2	Carlo de meste de consultat de			0
	wareness-raising program for decision makers	se 5 winu jarinis 2	ire developed	i, imanceu, abu	eventuany C	mstructeu									
	2.1.1: The Project Steering Committee meetings will include key decision makers and will		1			Ţ				T	1	T			
ies	emphasize that wind energy can be viable in Belarus.					0	0	0							0
tivit	2.12. Through the activities outlined in Outlined 2 Mayor 19							<del> </del>	MNREP	62000	10003				
Ac	2.1.2: Through the activities outlined in Outcome 3, WPFI will increase investment activit from both local and foreign developers and investors which will heighten awareness	y				n	n	n	) WHAKEP	02000	10003				0
	amongst key decision makers.									]		‡			<b>*</b>
		Output 2.1, to	tal GEF:		0	0	0	0	<u> </u>						0
3: Prepara	tion and dissemination of promotional materials on wind energy.  2.1.3.2. Study trips to at least two European countries with highly developed wind power	T	T	1	<del></del>	1		1		1					
	sector for a group of desicion makers					Ì									The activity was implemented in 2016
es					0	0	0	0							
ctivitie					ή ,		ľ	ľ	MNREP	62000	10003				
₹.									İ						
4	2.1.3.3. Preparation of informational materials on wind energy (articles, review, factsheets etc.)	pers/wk	5	60	0 0	1200	600	1200				7130	0 Local consultants	3 000	At least 10 articles, 5 reviews, 4 fact sheets are prepared and posted on the web-s
	Output 2.1, total GEF, Direct Payments:		L		+				<del> </del>	<del> </del>	<del> </del>			_	the project.
					0	0	U	0		ļ	<del> </del> -				)
	Output 2.1, total GEF, UNDP services for project implementation:				0	0	0	0						0	
	Output 2.1, total GEF, Direct Cash Transfer:				0	1 200	600	1 200						3 000	
	Output 2.1, total GEF:		**********		0	1 200	600	1 200						3 000	
tput 2.2: S	pecialized local engineering		Υ			r		·			·				4.
ties	2.2.1: The project tenders in Output 3.1 will stipulate that whenever possible, local														
Activities	contractors, subcontractors, and engineers must be used.				0	0	0	0	MNREP	62000	10003			0	
Ř	74	Output 2.2, to	tal GEF:		0	0	0	0						<u> </u>	
put 2.3; Int	roduce RE related currícula at Universities				1					·	7				The state of the s
															Training on wind measurements and wind farms design with the use of WindPropanized.
								İ							2. At least 6 specialists are trained to work in WindPro (wind measurements data
	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		<u> </u>												processing, design etc.)
	Sakharov Environmental University.		ļ		-									-	
ties	2.3.1.1: Organization of training for wind energy specialists with the programme WindPro		ľ			ĺ							Contractor comicos		
Activities		services	1	30800	0	30 800	0	0	MNREP	62000	10003	72100	Contractor services - companies	30 800	
¥	Orto 422 con ICCC Division														
	Output 2.3, total GEF, Direct Payments:	0	0	0							0				
	Output 2.3, total GEF, UNDP services for project implementation:	0	0	0	0						0				
	Output 2.3, total GEF, Direct Cash Transfer: Output 2.3, total GEF:	0	30 800 30 800	0	0						30 800				
		Output 2.3, tot	tal GEF:		0	30 800	0	0						30 800 30 800	
Completed :	support for ancillary services	Output 2.4, tot			0	0	0	0	MNREP	62000	10003	2-11-12-1		0	
Developed a	and published manuals	L			<u> </u>										The activity is planned for 2018.
- pou u	2.5.1: Produce guidebook containing template guidelines for future wind energy			T			Т	Т							De-risking study outcomes and final report are presented to the stakeholders
	development 2.5.1.1. Presemtaiton of the DREI study												Contractor services -		(government bodies, RES association, investors and international organizations) at a
	2. Toolinanon of the Dich study	services	1	6000	6000	0	0	0				72100	companies	6 000	workshop
						İ									
	ı	L							!	1	ı L		L		

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1144		pers/wk	1,7	5000	(	8279	(	0 0		1111		7120	International consultants*	8 279	
		prs/days	5	200-300	1300	0	(	0 0				7160	00 International travel**	1 300	
Activities	2.5.2: The Project Management Unit will create Procedural Guidelines based on Activity 3.2 that will provide future developer's with a template. This activity will also provide future Regulator's with guidelines for empirically setting FiT levels.				C	0	(	0	MNREP	62000	10003		·	(	
		pers/wk	10	600	0	0	6000	0 0	)			7130	00 Local consultants	6 000	The activity is planned for 2018.  1. Guidelines on EIA for the wind energy stations are developed and approved by MNREP.
	2.5.3: Guidelines on EIA of wind power development projects will be developed. Belarusian specialists will be trained on how to conduct EIA of wind power projects.	prs/days	70	200-300	0	18000				7.7111		7160	00 International travel**	18 000	Proposals on legal amendments to introduce the practices of EIA at the development of wind farms are prepared.     A study tour to a country with well-developed wind energy sector is organized to
		pristage	70	200-300	0	18000						/100	international travel	18 000	partake of the experience of EIA for the wind energy projects.
		services	1		0	12000	O	0		1111		7210	Contractor services - companies *	12 000	
	Output 2.5, total GEF, Direct Payments:		.1		0	20279	0	0						20279	
	Output 2.5, total GEF, UNDP services for project implementation:				1300	18000	0	0						19300	
	Output 2.5, total GEF, Direct Cash Transfer:				6 000	0	6 000	0						12 000	
	Output 2.5, total GEF:				7300		6000	0	ļ		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			51579	
	ne 2, Direct Payments:				0	20 279	0	0						20 279	
	ne 2, UNDP services for project implementation:				1 300	18 000	0	1 200	}					19 300	
Total for outco	ne 2, Direct Cash Transfer:				6 000	32 000	6 600							45 800	
	ne 2/GEF, Direct Payments:		****		7 300 0	70 279 20 279	6 600	1 200						85 379 20 279	
	ne 2/GEF, UNDP services for project implementation:				1 300	18 000	0	0						19 300	
<u> </u>	ne 2/GEF, Direct Cash Transfer:				6 000	32 000	6 600	1 200						45 800	
Total for outco	me 2/GEF;				7300	70279	6600	1200						85379	
Total for outco	me 2/UNDP: nd Energy Project Technical Assistance Facility is established to support the WPFI inve			gere a reconstances	0	0	0	0		Strain - Manual No. 3 - 1 - 1 - 1				0	
Output 3.1: Co	mpleted support provided for potential site developments	siment in and th	ie developmeni	i oi documentat	ion ior at it	ast 25 M W	or wina pow	er							
	3.1.1: The PMU supports the Ministry of Natural Resources and Environmental Protection to establish WESU.      3.1.2: Finalize the legal form and administrative criteria of the WPFI.	комплект	1	4000	4000	0	0	0		,		7280	Computer equipment	4 000	WESU is equipped with necessary computer equipment.
	3.1.2: Finalize the legal form and administrative criteria of the WPFI.				О	0	0	o						0	The activity was implemented in 2016
	3.1.3: Finalize the agreement between the WESU and the WPFI in the manner most conducive to operation in current conditions in Belarus.				0	0	0	0						0	The activity was implemented in 2016
	3.1.4: Conduct a tender to select an engineering firm to form the WPFI using generally accepted international standards for such tenders.													0	The activity was implemented in 2016
	3.1.5: Seek additional contributors to the funding of the WPFI in order to extend the range of WPFI capabilities.	pers/wk	9	600	0	1800	1800	1800			ĺ	71300	Local consultants	5 400	A report on the potential investors and financial organizations interested in cooperation
	of Will capabilities.	pers/wk	1	5000	0	5000	0	0				71200	International consultants*	5 000	with the project is prepared and approved by MNREP. This work began in 2016 and will continue during the time of the project implementation
	3.1.6: WPFI screens all of the Cadastre sites and selects 5 target sites based on the sites that can achieve the lowest possible energy rates.				0	0	0	0						0	The activity was implemented in 2016
	3.1.7: As part of the pre-feasibility screening, WPFI will gain preliminary clearance from the Ministry of Defence, Ministry of Communication and Informatization and other relevant agencies for sitting.				0	0	0	0						0	The activity was implemented in 2016
	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 mitigatin of risks related to apporval of the sites by the relevant governmental bodies				0	0	0	0						0	The activity was implemented in 2016
	3.1.9: Final selection of the sites for development and obtaining of clearances and permits for the construction.	pers/wk	8	600	2400	2400	0	0				71800	Contractor services - individuals long term	4 800	Construction permits are obtained for the selected sites.

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72100 Contractor services - companies (consultancy and

design services)

71600 Local travel\*\*

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33-82

and design services

days

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	days	25	80-160	600	0	0					7210	00 Contractor services - companies (transport services)	600	0
Activity 3.1.10: Transmission review of selected sites.	pers/wk	12	600	2200	2600	2400	(				7130	00 Local consultants	7 200	The possibility of connection of the future wind power installations to electrical grid is
	consultancy										7210	00 Contractor services -		assessed. The relevant report with the technical, regulatory and financial analysis is prepared and approved by the MNREP.
	and design services	]	5000	5000	0	0	(					companies (consultancy and design services)	5 000	
	consultancy						<del>                                     </del>	0			7210	00 Contractor services -		-
	and design services	1	20000	20000	0	0	C					companies (consultancy and design services)***	20 000	
	days	5	33-82	200		0	0				7160	00 Local travel**	200	
	days	5	80-160	500	0	0	0				7210	O Contractor services - companies (transport services)	500	
	pers/wk	12	600	2200	0	5000	0				7130	0 Local consultants	7 200	Project and design documentation on wind measurement equipment is developed and
3.1.11: Securing permission for the selected sites:; isntallment of meteorological towers of 98 m in height (or other equipment); wind parameters measurement.	consultancy							1				0 Contractor services -	***************************************	approved.  2. Wind measurement towers with equipment are installed on the selected sites.
	and design	1		148985	0	60609	0	MNREP	62000	10003		companies (consultancy and design services)	209 594	3. All necessary permits for installation of the wind measurement equipment are
	services													received. 4. Half-year wind measurements are taken; a relevant report is prepared and approved
											7450	0 Insurance consts (services for		by MNREP.
	year	1	1000	1000	0	0	0					insurance of wind measurement complexes)***	1 000	
	days	10	33-82	100	200	400					71/0		700	
		12			300		100			-		0 Local travel** 0 Equipment maintenance	700	1
	мес	12	100	300	300	300	300						1 200	
	days	10	80-160	300	0	900	. 0				7210	0 Contractor services - companies (transport services)	1 200	
Activity 3.1.12: WPFI would begin the permitting, Power Purchase Agreement, and grid									ļ	ļ	7210	0 Contractor services -	MB.	Investment agreements for the selected sites are prepared, including provisions on
connection processes with the relevant agencies.	services	1	40200	10 050	10 050	10 050	10 050			1000		companies (consultancy and design services)		power purchase.  2. WPFI is working in accordance with the TOR and its Statue.
Activity 3.1.13: Working with WPFI on a preliminary site layout that includes flexibility on											7210	Contractor services -		Design and project documentation is developed for one site with the affirmative project
turbine choice.	services	1	276788	0	0	196788	80 000			-		companies (consultancy and design services)	276 788	appraisal.
t t												design services)		
	pers/wk	10	600		1200	2400	2400				71800	Contractor services -	6 000	
Activity 3.1.14: Environmental report for Investors.	pela mi					2.00					71800	individuals long term  Contractor services -	0 000	The procedure of EIA for the wind energy projects is defined taking into account the
and the second s	pers/wk	12	600	0	2400	2400	2400				/1000	individuals long term	7 200	international requirements to EIA and the requirements of the national legislation.
	pers/wk	4	5000	0	5000	10 000	0				71200	International consultants*	15 000	EIA of the planned projects is undertaken, a bankable report is prepared and approved by MNREP
											72100	Contractor services -		
	services	1	14000	0	ا	0	14 000					companies (consultancy and design services)	14 000	
	56177665	•	1.000		Ĭ	Ĭ	14 000					design services)	14 000	
Activity 3.1.15: The Project conjointly with Wind Energy Support Unit performs Pro Forma analysis on the selected projects and calculates the minimum tariff required to	services	1	10000	0	0	10 000	0			-	72100	Contractor services -	10 000	Several options for tariff to be included in the investment agreements are defined. A
support the financing and construction of all of the selected projects including those from											71800	companies (consultancy and Contractor services -		relevant report is approved by MNREP.
private developers.	pers/wk	10	600	0	3600	2400	0					individuals long term	6 000	
Activity 3.1.16: The Project conjointly with Wind Energy Support Unit negotiates draft Investment Agreement with the Ministry of Economy using the tariff calculated in 3.1.15			*****				_				72100	Contractor services - companies (consultancy and		The drafts of the investment agreements are prepared and approved by the stakeholders. The agreements are signed.
above and co-ordinates with other relevant ministries.	services	1	30000	ď	30000	ď	٥					design services)	30 000	
Activity 3.1.17: After collecting one year of wind data, WPFI will provide a financeable										F				The activity is planned for 2018.
report that combines the on-site data with the existing long-term data (suitable for bank debt financing).					0	0	0						0	
									Ì					
Activity 3.1.18: Preparation of Information Memorandum				0	0	0	0							The activity is planned for 2018
Activity 3.1.19: Consultant for tender of "Construction Ready" projects			1								71800	Contractor services - individuals long term	1	<ol> <li>TOR and tender documents for the selection of the consultant for organization of the pre-investment assets auction are developed.</li> </ol>
		Ver.							İ				2	2. The consultant for organization of the pre-investment assets auction is identified; a contract with the selected consultant is signed.
	, ,		(00	2400									[3	3. Pre-qualification documents for identification of the pool of potential investors for the
	pers/wk	81	600	2400	1200	1200	0			ĺ				wind power projects are developed and approved by MNREP.  4. At least one auction for one site is organized. An investor is identified and the
													c	contract with the selected investor is signed.
						ĺ		ĺ		ļ				
Activity 3.1.20: The Project, WPFI and the Wind Energy Support Unit will tender the Pre-													r   0	The activity is planned for 2018.
Investment Assets to investors.  Output 3.1., total GEF, Direct Payments:	<u> </u>			0	10000	10000			distance	-			20000	
Output 3.1., total GEF, UNDP services for project implementation:				1300	200	400	0						1900	
Output 3.1., total GEF, Direct Cash Transfer:				236 123		296 247	110 950						698 870	
1 July Cook I Manger				230 123	22 220	270 247	110 930						098 8/0	

1	Output 3.1., total GEF:		***************************************	444.4	237423	65750	30664	7 11095	50			[		220.22	
Output 3.2: Id	entify and evaluate available public and private debt and equity financing for above sit	e developments	P		23/423	03/30	30004	11095	<u>"\</u>					720 77	V
	Activity 3.2.1: Regular discussions and outreach with potential foreign and domestic developers and investors.	pers/wk	8	600	1200	1200	120	0 120	10		T	7130	0 Local consultants	4 80	1. Minutes of meetings and reports of negotiations with the potential foreign and
	developers and investors.	pers/wk	1,5	5000	0	12500		0	0				0 International consultants*	12 500	antional investors are prepared; the proposals on the forms of cooperation are developed.  2. Most probable partners of WPFI are identified; a relevant report is prepared and approved by MNREP.
Activities	Activity 3.2.2: The Project together with WPFI and WESU will work with International Financial Institutions to identify and evaluate debt solutions.	pers/wk	4	600	1200	1200	(	0	0 MNREP	62000	10003	7130	D Local consultants	2 400	An analytical study on the possibilities (forms and ways) of financing of the wind energy projects is implemented. A relevant report is approved by MNREP.
Act	Activity 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 an conditions.	nd pers/wk	2	600	0	1200	(	0	0			7130	D Local consultants	1 200	Recommendations on financing of the wind energy projects in Belarus (including recommendations on the development of new forms of financing of such projects in Belarus) are prepared. A relevant report is approved by stakeholders.
	Activity 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.	pers/wk	8	600	0	0	4800	) (	0			71300	) Local consultants	4 800	Guidelines for the developers of wind energy projects financed by borrowed capital (national, foreign bank and international organizations) are drafted. The guidelines are approved by the stakeholders.
	Output 3.2., total GEF, Direct Payments:		ll		0	12500	0		)				·	12500	
	Output 3.2., total GEF, UNDP services for project implementation:				0	0	0	0			***************************************			0	
	Output 3.2., total GEF, Direct Cash Transfer:			***************************************	2 400	3 600	6 000	1 200				<del>                                     </del>		13 200	
	Output 3.2., total GEF:				2400		6000	<del></del>	<del></del>					25700	
Output 3.3: Co	mpleted support for the preparation of development work on the targeted sites				]	L		L						1 20.00	
	Activity 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 2	services	1	13000	0	8000	13000					72100	Contractor services - companies (consultancy and	21 000	Documents for pre-qualification of the investors are prepared and approved by MNREP.
Activities	MW	days	60-80	200-300	0	0	10000	) 0	MNREP	62000	10003	71600	International travel**		At least one auction is held to identify an investor for at least one site. The contract is signed.     A study trip to Ukraine is organized.
	Output 3.3., total GEF, Direct Payments:				0	0	0		1		-			0	3. A study trip to Okraine is organized.
	Output 3.3., total GEF, UNDP services for project implementation:				0	0	10000	1 0						10 000	
Ì	Output 3.3., total GEF, Direct Cash Transfer:				0	8 000	13 000	<u>i</u>	1		-				
	Output 3.3., total GEF:				0	8000	23000				-		1	21 000 31000	· · · · · · · · · · · · · · · · · · ·
Total for outcom	Total for outcome 3, Direct Payments:							0			-1	1		32 500	
Total for outcom	Total for outcome 3, UNDP services for project implementation:							0	<u> </u>					11 900	
Total for outcom	ne 3, Direct Cash Transfer:				238 523	67 150	315 247	112 150						733 070	
Total for outcom	me 3:	,			239 823	89 850	335 647	112 150						777 470	
Total for outcom	ne 3/GEF, Direct Payments:				0	22 500	10 000	0					***************************************	32 500	
Total for outcom	ne 3/GEF, UNDP services for project implementation:				1 300	200	10 400	0						11 900	
Total for outcom	ne 43/GEF, Direct Cash Transfer:				238 523	67 150	315 247	112 150					***************************************	733 070	
Total for outcor	ne 3/GEF:	****			239 823	89 850	335 647	112 150						777 470	
Total for outcor	ne 3/UNDP:	P. (************************************			0	0	0	0						0	
Outcome 4: At l	least 5 wind farm projects are successfully developed and the Wind Energy Support Un	nit continues to op	erate past the li	fetime of the	project			200							
	idation of data in existing Wind Atlas of Belarus  Activity 4.1.1: Site specific wind studies for at least (5) project sites will be used to	Т					0		Γ	Т	1	· · · · · · · · · · · · · · · · · · ·			The activity is planned for 2018.
Activities	validate the existing Wind Atlas of Belarus.	Output 4.1, tota	nl GEF:		0	0	0	0	MNREP	62000	10003			0	The activity is planned for 2016.
4.2: Completed	Web portal for the project							l	l						
	4.2.1: Develop a project site/portal	мес.	12	330	990	990	990	990				72100	Contractor services -	3960	The Internet-site is well maintained.
<b>1</b>		pers/wk	27	600	4000	4000	4200	4000				71300	companies  Local consultants	16200	
Activities	Activity 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.				0	0	0	0	MNREP	62000	10003				The activity is planned for 2018.
Ac	Activity 4.2.3: Publish all relevant documentation on the web portal including project tender documents and information memorandums.				0	0	0	0							The activity is planned for 2018.
	Activity 4.2.4: Development of the brochures explaining the value proposition of wind													-	The activity is planned for 2018.
Adapt Apples	energy. These brochures will also be available on the web portal.  Output 4.2., total GEF, Direct Payments:				0	0	0	0							The activity is planned for 2018.
	Output 4.2., total GEF, UNDP services for project implementation:				o	0	0	0						o	
	Output 4.2., total GEF, Direct Cash Transfer:				4 990	4 990	5 190	4 590						20 160	
	Output 4.2., total GEF: eveloped, reviewed, revised, finalized and published Lessons Learned study				4990	4990	5190	4990			L			20160	
	Activity 4.4.1: After 24-months, the Projectwill hire an international consultant to perform	Γ		T	T		1					1		ola	FOR for the international and national consultants are prepared and approved by UNDP
Activities	an intermediate review.				0	0	0	0	MNREP	62000	10003		International consultants*		and MNREP.
Acti					0	0	0	0		22000	,0003	71300	Local consultants		
		Output 4.4 , total	GEF:		0	0	0	0						0	

4 ...

r									_					
	e 4, Direct Payments:				0	0	) (	0					0	
	e 4, UNDP services for project implementation:	***************************************			0	0	) (	0 0	2					
	e 4, Direct Cash Transfer:				4 990	4 990	5 190	1 4 990	1				20 160	
Total for outcon					4990	4990	519	0 4990	)				20160	
Total for outcome	e 4/GEF, Direct Payments:				0	0	"	0	'				0	)
Total for outcome	e 4/GEF, UNDP services for project implementation:				0	0	) (	0					0	
Total for outcome	otal for outcome 4/GEF, Direct Cash Transfer:							1 4 990	1				20 160	42.77.44444.00.00.00.00.00.00.00.00.00.00.00.
	Total for outcome 4/GEF:							0 4990						
	Total for outcome 4/UNDP:							0 4550	1				20160	1
Project management							21	0	<u>'L</u>					]
	Project management	pers/wk	79,5	5 500-600	3550	14350	1435	14350	J	T	T	71810 Contractor services -	46600	
			<u> </u>				I		1			individuals long term	W#W. 1.2	1. The Project Steering Committee is exercising control and monitoring over the project
ties	Mec. 12 40 Mec. 12 100					120	120	120	4			72420 Communication services	480	implementation as well as compliance with the established quality standards, deadlines
fivi						300	300	300		62000	10003	73310 Accounting software	1200	and budget limits.
Ac			+	<del> </del>	<del>                                     </del>	<b>-</b>			-			74559 Repayment of UNDP	2400	The target indicators defined in the project documents are attained.     Reports required by the Letter of agreement and the national regulation of the
					600	600	600	600	MNREP			expenses**	2400	technical assistance are duly prepared and submitted to the MNREP, UNDP and the
		Project r	nanagement, to	otal GEF:	4570	15370	15370	15370						Ministry of Economy.
									]			71810 Contractor services -	10800	4. The data required for the update of the project implementation in ATLAS are
		pers/wk	25,5	500-600	10800							individuals long term		prepared and submitted to UNDP.
			<u> </u>	1 2000	<del> </del>		200		1	04000	00012			5. The draft of the AWP for 2018 is developed and approved by the MNREP and
		Services Project re	nanagement, tot		10800	0	2000		-			74110 Professional Services**	2000 12800	UNDP.
Total for Project	1. Management, Direct Payments:	riojectii	ianagement, tot	tai CiviDi .	10000	0	+	0	<del></del>	J	1		12800	
	Management, UNDP services for project implementation:				600	600	2 600	600			····		4 400	
	Management, Direct Cash Transfer:	***************************************			14 770	14 770	14 770	14 770					59 080	
Total Project Ma					15370	15370	17370	15370					63480	
Total for Project I	Management/GEF Direct Payments:				0	0	0	0					0	
Total for Project I	Management/GEF, UNDP services for project implementation: Management/GEF, Direct Cash Transfer:				600								2 400	
Total Project Ma		***************************************			3 970 4570								48 280 50680	
	Management/UNDP Direct Payments:				1 10	13370	13370	13370					50080	
Total for Project 1	Management/UNDP, UNDP services for project implementation:				0	0	2 000	1					2 000	MATERIAL PROPERTY OF THE PROPE
Total for Project I	Management/UNDP, Direct Cash Transfer:				10 800	0	<del></del>	0					10 800	
Total Project Ma	nagement/UNDP:				10800	0	2000	0					12800	
				L PROJECT:		223 214							1 073 438	
			tal Project , Dir		10 000			<del></del>					97 779	
	Total Projec	t, UNDP services	s for project imp Project, Direct C		3 850 275 158	19 450 140 985	28 650 356 682						53 200	
		101011		OJECT/GEF:	267 758								922 459 1 028 438	
		Total Pr	oject/GEF , Dir		5 000	57 779	25 000						87 779	
	Total Project/GEI	, UNDP services	for project imp	olementation:	3 200	18 800	26 000	600					48 600	
			t/GEF, Direct C		259 558	136 185	356 682						892 059	
	WAS TO THE TOTAL OF THE TOTAL O		TOTAL PRO		21 250 5 000	10 450 5 000	<del></del>	10 650					45 000	
	Total Project/UNDP, Direct Payments:  Total Project/UNDP, UNDP services for project implementation:							0					10 000	
	101at Project/UNDF	650 15 600	650 4 800		650 10 000					4 600				
L	K		4 800	0	10 000					30 400				
UNDI	P Programme Officer		Igar Tchoulba	* Direct paym ** UNDP serv *** Expenses	vices for proje				Project Manager				∕aryna Belavus	
02 Feb 2017											`	31.01.		

Manager

Maryna Belavus

31. 01. 20.17