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National Project Director
Project №00077154

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Annual Detailed Work Plan 2016

Improving Energy Efficiency in Residential Buildings in the Republic of Belarus
No. 00077154

Activity description	Output costs as per budget accounts, US\$				Total US\$	Donor	Budget Account	Responsible	Annual Target
	I - 2016	II - 2016	III - 2016	IV - 2016					
Outcome 1: Strengthened legal and regulatory framework and mechanisms to enforce the legislation for improving the energy efficiency of the building sector with the focus on new residential buildings									
1.1	A formally adopted and endorsed methodology for buildings' energy performance monitoring and calculation in line with contemporary European norms or other applicable international standards.						Project Manager	Completed in 2015.	
1.2	At least 50 completed energy audits providing information on factual energy consumption and energy balance of different type of existing residential buildings of different age and using different construction techniques.						Project Manager	Energy audit of the second set of at least 25 residential buildings organized and conducted during the second part of heating season of 2015-2016. Energy audit methodology adopted in accordance with the established procedure.	
1.2.1	Complete the energy audits of the second set of 25 multi-storey buildings started in 2015 with necessary analysis of the entire heating season data in line with the IPMVP and modern "eeMeasure"-software.	0	0		0	GEF	71200 - international consultants (budget 2015)	Energy audits of the second set of 25 residential buildings completed and a respective report submitted to stakeholders and published online. Deadline - June 15, 2016	
		0	0		0	GEF	71300 - local consultants (budget 2015)		
		0	0		0	GEF	72100 - contract. serv. companies (IE BNAS, budget 2015)		
		210	210		420	GEF	71300 - local consultants (translation)		
1.2.2	Based on the results of activity 1.2.1 above and relevant activities conducted in 2013-2015, revise and amend the energy audit methodological guidelines developed in 2014-2015. Provide consultations to relevant authorities until the methodological guidelines are duly adopted.			0	0	GEF	71200 - international consultants (budget 2015)	Revised methodological guidelines for energy audits in residential buildings duly adopted and published online. Deadline - Dec 15, 2016	
				0	0	GEF	71300 - local consultants (budget 2015)		
				210	210	GEF	71300 - local consultants (translation)		
1.3	A completed review and cost-efficiency analysis of different technical options to improve buildings' energy efficiency and the use of renewable energy sources, including an analysis of the cost-efficiency of different heat supply and distribution methods to serve low or close to zero energy buildings.						Project Manager	Will be completed and presented to stakeholders for further use in 2017, after construction of the three pilot buildings.	
1.4	A completed analysis of the impact of the new low energy buildings on the feasibility of different heat supply systems typically used in Belarus and the buildings' central water heating + radiator scheme connected to district heating, in particular, with related recommendations for future development.						Project Manager	Will be completed and presented to stakeholders for further use in 2017, after construction of the three pilot buildings.	
1.5	A finalized draft with related stakeholder consultations for revised national energy performance based norms and standards for newly constructed buildings and, as applicable, those going through a major renovation with the initial focus on residential buildings.						Project Manager	Technical Regulations "Energy Efficiency of Buildings" along with a set of necessary national addenda for design, construction and operation of energy efficient buildings adopted in accordance with the established procedure.	

1.5.1	Provide on-going consulting services to relevant authorities in the course of conciliation and adoption procedures with regard to the Technical Regulations "Energy Efficiency in Buildings", harmonized with Directive 2010/31/EU, along with a set of national addenda to the Technical Regulations elaborated and suggested by the Project in 2014-2015.							71300 - local consultants (budget 2015)		Technical Regulations "Energy Efficiency of Buildings" along with a set of necessary national addenda for design, construction and operation of energy efficient buildings duly adopted. Deadline - Dec 31, 2016
1.6	Elaborated and by the Government of Belarus adopted practical procedures for the establishment of a mandatory system of EE certification of buildings, including issuing of EE passports and a system of monitoring and compliance checking with related on-site spot-checks.								Project Manager	The practical procedures for the establishment of an energy efficiency certification system and a system of monitoring and compliance checking applicable to residential buildings elaborated and submitted for consideration in accordance with the established procedure.
1.6.1	Based on the results of activities performed in 2014-2015, complete analysis of conditions and legal provisions for introduction of the building energy efficiency certification system in Belarus and formulate recommendations as to a feasible approach to the development of this system that includes pilot stages (e.g., a voluntary system first), scale (e.g., oblast capitals first) and a timeline.	600	600	1,200			2,400	GEF	71300 - local consultants	Report with results of an assessment and justification of provisions for introduction of residential building energy efficiency certification system within the current Belarusian legal framework and housing market prepared and submitted to the Energy Efficiency Department. The recommendations as to stages, a scale and a timeline for the development of this system submitted to the Energy Efficiency Department and the Ministry of Architecture & Construction for consideration and published online. Deadline - Sep 30, 2016
1.6.2	Organize a round table (ad-hoc meeting) to discuss recommendations elaborated under activity 1.6.1 above and to outline the regulatory documents (normative legal acts or technical codes) necessary for incorporation of the certification system into corresponding regulations.				50		50	GEF	71300 - local consultants	PIU PR Expert Recommendations as to conditions of introduction of energy efficiency certification system for residential buildings and corresponding regulatory documents are presented and discussed during a round table held among at least 25 representatives of stakeholders attended the round-table, and a corresponding workshop minute prepared and handed over to stakeholders. Deadline - Oct 15, 2016
					500		500	GEF	72100 - contract. serv. companies	
1.6.3	Based on the results of activity 1.6.2, draft the regulatory documents for introduction of energy efficiency certification and validation systems and submit this draft for further consideration by competent authorities. Provide necessary consultations during conciliation process.				600		600	GEF	71300 - local consultants	The technical codes for energy efficiency certification and validation systems formally submitted for consideration in accordance with the established procedure. Deadline - Dec 31, 2016
1.7	Further developed and adopted quality standards and a system of EE certification for the construction materials, accessories and appliances used in the construction sector.								Project Manager	The quality standards and a system of energy efficiency certification for the materials, accessories and appliances used in the construction sector for residential buildings formally submitted for adoption.
1.7.1	Based on the results of relevant activities of 2015, revise the elaborated draft of practical procedures along with methodologies and relevant monitoring and compliance checking tools for energy efficiency certification and validation systems for materials, accessories and appliances used in residential buildings and submit it for approval and adoption. Provide necessary consultations during conciliation and adoption process.				1,200		1,200	GEF	71300 - local consultants	The revised version of practical procedures and institutional arrangements for energy efficiency certification and validation systems for materials, accessories and appliances used in residential buildings formally submitted for adoption in accordance with the established procedure. Deadline - Dec 31, 2016
	Bank fee	60	60	60	70		250	GEF	74510 - bank charges	Bank charges. During the year
	Outcome 1 total for GEF:	870	870	1,470	2,630		5,840	GEF		
	Outcome 1 total:	870	870	1,470	2,630		5,840			
Outcome 2: Enhanced capacity of the Belarusian specialists to implement and effectively enforce the new energy efficiency building standards and construction norms										

	Developed, published and disseminated stakeholder group specific technical guides, handbooks, guidelines and other related training materials on energy efficiency design and construction of new buildings to support the implementation of the envisaged new construction norms, including dissemination of this information through the internet based energy platform and the project's own Internet site.						Project Manager	At least two handbooks prepared and published offline (300 copies) and online.
2.1.1	Using materials, prepared by local and international experts in 2015, prepare, publish and disseminate offline and online a set of specific technical information materials for different target groups, as follows: (i) Handbook "Best Practice in Operation of Energy Efficient Buildings"; (ii) Handbook "Development of Energy Efficient Centralized Heat Supply with Due Account of Housing with Reduced Heat Energy Consumption".	300	300	600	GEF	71300 - local consultants	PIU PR Expert	At least two handbooks concerning energy efficient housing prepared, approved by stakeholders, disseminated through Internet and published (300 copies each). Deadline - Sep 30, 2016
		600	600	1,200	GEF	74200 - audio & video prod.		
2.2	New courses on integrated building design and building energy efficiency included into the curricula of all key Belarusian universities educating architects and building engineers and at least 200 students have passed these new courses by the end of the project						Project Manager	Three syllabi on energy efficient construction materials, energy efficient building design principles and energy efficient architectural engineering introduced in curricular of at least two core universities.
2.2.1	Based on the syllabi and other curricular materials drafted in 2014-2015, introduce into corresponding disciplines in the selected universities the following three educational sections to be taught: (i) Designing of Energy Efficient Buildings; (ii) Architectural Engineering Based on Energy Efficient Technologies of Building Installations; (iii) Energy Efficient Building Materials, Wares and Technologies.		0	0	GEF	71200 - international consultants (budget 2015)	PIU PR Expert	At least two selected universities (e.g., Belarusian National Technical University and Brest State Technical University) adjusted their curricular with the syllabi and other curricular materials elaborated by the project in 2014-2015 on three subjects: (i) Designing of Energy Efficient Buildings; (ii) Architectural Engineering Based on Energy Efficient Technologies of Building Installations; (iii) Energy Efficient Building Materials, Wares and Technologies. At least 200 students are attended these new courses. Deadline - Dec 31, 2016
			600	600	GEF	71300 - local consultants		
			2,800	2,800	GEF	74200 - audio & video prod.		
2.3	At least 50 experts from different state and municipal entities dealing with construction policies, norms and standards are trained on the most recent international developments, experiences and lessons learnt on building energy efficiency and environmentally sustainable construction.						Project Manager	Completed in 2014
2.4	At least 50 architects and other buildings designers from the leading design institutes and professional associations are trained on the: i) most recent international developments in the area of energy efficient buildings from the technical and policy perspective; ii) integrated, energy efficient building design principles and techniques; iii) implications in the practical design work when moving from prescriptive norms to buildings' overall energy performance based construction norms; iv) available technical options and cost-effective design principles for optimizing buildings' energy performance; and v) presentation of the available, state of the art software to support integrated, energy efficient building design and training for its use.						Project Manager	Completed in 2014
2.5	At least 50 construction inspectors from the main regional and district centers trained on methodologies for assessing buildings' energy performance and the correct installation of the materials and equipment used.						Project Manager	Completed in 2014
2.6	At least 50 supervisors of the leading construction companies trained on the correct installation of the materials and equipment used and provision of other advise for private construction companies on how to integrate elements of energy efficient design in their investment projects throughout the project cycle from the design to construction and building management.						Project Manager	At least 50 supervisors of the leading construction companies trained on how to integrate elements of energy efficient design in their investment projects.
2.6.1	As a follow-up of introductory course lectured in 2015 and using one of the pilot buildings as an example, prepare training materials (handbooks, tutorials, presentations) concerning the practical implementation of correct installation of the materials and equipment for energy efficiency improvement as well as other recommendations for private construction companies on how to integrate elements of energy efficient design in their investment projects throughout the project cycle from the design to construction and building management.		5,000	5,000	GEF	71200 - international consultants		Training materials for construction companies with practical recommendations on integrating energy efficiency improvement measures into investment and project cycles prepared and submitted to the Energy Efficiency Department and the Ministry of Architecture & Construction and published online. Deadline - Oct 31, 2016
			500	500	UNDP	71300 - local consultants		
			420	420	UNDP	71300 - local consultants (translation)		
2.6.2	Organize and conduct, using materials prepared under activity 2.6.1 above, at least one training workshop coupled with construction site visits for construction companies.		2,400	2,400	GEF	71200 - international consultants	PIU PR Expert	At least 50 supervisors and principal staff members of construction companies were trained (via a training workshop and visiting a pilot construction site) in the best practice, methodologies and tools used in business models for construction of energy efficient buildings. Training materials published offline and disseminated among participants. Deadline - Nov 30, 2016
			240	240	UNDP	71300 - local consultants		
			4,800	4,800	GEF	72100 - contract. serv. companies		
			100	100	GEF	74200 - audio & video prod.		

					420	420	UNDP	71300 - local consultants (translation)		
2.7	A two-week training seminar for professional designers, representatives of the state expertise and building supervision in order to familiarize the group with the experiences of energy-efficient building design, construction and governance (including the role of municipal authorities) in EU countries and visiting the facilities (25 people).								Project Manager	Completed in 2014.
2.8	Other required training, networking and exchange of knowledge and lessons learnt by building on co-operation with other international initiatives promoting energy efficient and environmentally sustainable building construction.								Project Manager	All training materials elaborated by the project in 2013-2015 handed over to a specialized advanced training institution. At least 3 Belarusian specialists and decision-makers participated in at least one international event dedicated to energy efficient and environmentally sustainable building construction and operation.
2.8.1	Provide necessary recommendations and support in transfer and adjustment of all training materials (handbooks, tutorials, presentations) and curricular prepared and tested under the scope of the project in 2013-2015 to the Inter-branch Advanced Training and Personnel Retraining Institute of the Ministry of Education, one of the leading advanced training institutions in the field of construction.			500		500	GEF	71300 - local consultants	PIU PR Expert	All training materials, tutorials, handbooks and presentations elaborated by the project and tested during 2013-2015 trainings, including those under outputs 2.3-2.7 above, updated, adjusted to specific needs and audiences and handed over to the Inter-branch Advanced Training and Personnel Retraining Institute of the Ministry of Education along with necessary recommendations for further continued trainings. Deadline - Sep 30, 2016
				3,600		3,600	GEF	74200 - audio & video prod.		
2.8.2	Monitor and cooperate with other international initiatives to prepare quarterly plans for forthcoming international and regional events dedicated to energy efficient and environmentally sustainable building construction and operation.	0	0	0	0	0	GEF	71300 - local consultants (budget 2015)		Quarterly plans with description of selected events and sites for taking part in forthcoming international and regional conferences, dedicated to energy efficient and environmentally sustainable building construction and operation, along with corresponding ToRs for travels and financial support documents prepared by the PIU and approved by the UNDP CO. During the year
		80	80	80	80	320	UNDP	71300 - local consultants (translation)		
2.8.3	Provide informational and financial support for Belarusian specialists and decision-makers in their participation in at least one international event, selected as per activity 2.8.2.				0	0	GEF	71300 - local consultants (budget 2015)		In total at least 3 Belarusian specialists and decision-makers took part in at least one relevant international events and raised their knowledge and experience, as well as shared related information, specified policy approaches and domestic strategies in the field of energy efficient housing. During the year
					1,200	1,200	UNDP	71300 - local consultants (translation)		
					2,100	2,100	UNDP	71600 - travel		
	Bank fee, GEF	40	40	40	50	170	GEF	74510 - bank charges		Bank charges. During the year
	Bank fee, UNDP	10	10	10	20	50	UNDP	74510 - bank charges		Bank charges. During the year
	Outcome 2 total UNDP:	90	90	90	4,980	5,250	UNDP			
	Outcome 2 total GEF:	40	940	5,040	15,750	21,770	GEF			
	Outcome 2 total:	130	1,030	5,130	20,730	27,020				
Outcome 3: Demonstrated energy and cost-saving potential of new energy efficiency measures in at least three new residential buildings in three Belarusian cities										
3.1	Finalized background studies for and design of the selected demo buildings by applying integrated building design principles and taking into account new technologies and approaches for meeting the HVAC needs of those buildings in a most energy and cost efficient way.								Project Manager	Completed in 2015. Overall packages of design and construction documents for three energy efficient pilot residential buildings submitted to and approved by the state expertise. All permissions necessary for construction of the said buildings obtained from competent authorities.
3.2	Finalized construction of the demo buildings by ensuring that the construction and all installation are made in accordance with the proposed or adopted quality standards and guidelines.								Project Manager	Construction of the demo buildings is underway in accordance with the elaborated design & construction documentations, the proposed energy efficiency performance standards and other adopted quality standards and guidelines. To be continued in 2017
3.2.1	Conduct the tender procedures and finalize all necessary procurements of the hardware, tools,	1,000	1,000	1,000	1,000	4,000	GEF	71300 - local consultants		The prescribed hardware, tools, installations and equipment, remaining for procurement after 2015 for energy efficiency improvement of the

	installations and equipment prescribed in the design & construction documents for energy efficiency improvement of the three pilot buildings.	145,628				145,628	GEF	72200 - Equipment	Project Procurement Specialist	three pilot buildings, procured and properly deposited. To be continued in 2017	
		2,500	2,500			5,000	GEF	72130 - contract. serv. companies (transport)			
		500	1,500	1,500	1,500	5,000	GEF	74520 - Storage			
3.2.2	Conduct the tender procedures for civil and assembling works in the pilot residential building in Hrodna.	400,000				400,000	GEF	73216 - Construction Svc (non-UN)	Project Procurement Specialist	The tender for civil and assembling works in the residential building in Hrodna conducted and properly deposited. The contract with a contractor (the developer) duly signed.	
3.2.3	Conduct assembling and mounting of the hardware, tools, installations and equipment prescribed in the design & construction documents for energy efficiency improvement of the three pilot buildings.			0	0	0	GEF	71300 - local consultants (budget 2015)		The purchased hardware, tools, installations and equipment assembled and mounted in line with the design & construction documents for energy efficiency improvement of the three pilot buildings. To be continued in 2017	
				17,920			17,920	GEF			72100 - contract. serv. companies
				0	0	0	0	GEF			72100 - contract. serv. companies (NIPTIS, budget 2014)
3.2.4	Provide technical supervision of construction and assembling works to be implemented in the three pilot buildings in order to ensure that all constructions and installations are set in accordance with the elaborated design & construction documentations. Provide recommendations and take timely measures, as needed.	1,000	2,500	2,500	2,500	8,500	GEF	71300 - local consultants		Reports containing results of technical supervision of construction works and equipment installation works in the three pilot buildings in Grodno, Minsk and Mogilev along with recommendations prepared, on monthly basis, and submitted to prime-developers and the Energy Efficiency Department. During the year. To be continued in 2017	
		2,914	6,491	5,366	16,166	30,936	GEF	71400 - service contr. individ.			
			500	1,200	1,200	2,900	GEF	71600 - travel			
		2,000				2,000	GEF	72805 - Computer Equipment			
						30,000	30,000	GEF			72100 - contract. serv. companies (Engineering Company)
3.2.5	Based on the results received under activities 3.2.1-3.2.4 above, prepare, discuss and approve action plans for construction of the demonstration sites along with schedules for different measures, activities and events in 2017.				0	0	GEF	71300 - local consultants (budget 2015)		An action plan as well as respective schedules and activities for 2017 approved by stakeholders and the Energy Efficiency Department. Deadline - Dec 31, 2016	
					600	600	GEF	71600 - travel			
3.3	A monitoring report on the construction of the demonstration buildings documenting the experiences and lessons learnt from procuring, installing and testing the new energy efficient materials, construction techniques and appliances.								Project Manager	The Output is to be implemented in 2017 pursuant to the action plans approved (see activity 3.2.5)	
3.3.1	Provide supervision and monitoring of construction of the three pilot buildings and document the experiences and lessons learnt from procuring, installing and testing the new energy efficient materials, construction techniques and appliances. Provide recommendations and take timely measures, as needed.	1,000	2,500	2,500	2,500	8,500	GEF	71300 - local consultants		Reports containing results of supervision and monitoring of construction work for three pilot buildings in Grodno, Minsk and Mogilev being accomplished during 2016 along with documents addressing the experiences and lessons learnt from procuring, installing and testing the new energy efficient materials, construction techniques and appliances, as well as recommendations prepared, on monthly basis, and submitted to prime-developers and the Energy Efficiency Department. During the year. To be continued in 2017	
		500	500	1,200	1,200	3,400	GEF	71600 - travel			
		0	0	0	0	0	0	GEF			72100 - contract. serv. companies (NIPTIS, budget 2014)
3.4	A monitoring report on the energy performance of the demonstration buildings documenting the actual energy and financial savings and GHG emission reduction from each building as a whole and from each specific energy efficiency measure and appliance tested.								Project Manager	The Output is to be implemented in 2017 pursuant to the action plans approved (see activity 3.2.4)	
3.5	At least 30 private showings of the new buildings organized for local architects, designers, builders and other decision makers, including half-day training sessions with an objective to promote the solutions adopted for the demonstration projects in additional buildings.								Project Manager	The Output is to be implemented in 2017 pursuant to the action plans approved (see activity 3.2.4)	
	Bank fee, GEF	40	40	40	50	170	GEF	74510 - bank charges		Bank charges. During the year	

	Bank fee, UNDP	0	0	0	0	0	UNDP	74510 - bank charges		Bank charges. During the year
	Outcome 3 total UNDP:	0	0	0	0	0	UNDP			
	Outcome 3 total GEF:	8,954	593,159	35,726	26,716	664,554	GEF			
	Outcome 3 total:	8,954	593,159	35,726	26,716	664,554				
Outcome 4: Documented, disseminated and institutionalized project results providing a basis for further replication										
4.1	Developed and published public awareness raising materials and completed nation-wide awareness and information campaign advocating the benefits of energy efficiency measures in new buildings, including economic, social, health, environmental and aesthetical aspect and also addressing the GEF/UNDP visibility requirements.								PIU PR Expert	At least 15 interviews with the project's personnel, experts and partners conducted and not less than 20 press-releases along with at least six printed information and promotion materials provided for specialists and tenants. At least two PR-campaigns on promoting energy efficient housing are launched and successfully completed.
4.1.1	Organize and carry out an ongoing information campaign (interviews, press-releases, etc.) about the Project activities.	4,150	4,150	4,150	4,150	16,600	GEF	71400 - service contr. individ.		At least 15 interviews and not less than 20 press-releases provided in order to inform a wider audience about the project's key achievements, progress and activities, as well 2 PR-campaigns are launched to change, to extent possible, people perception and behavior with regard to energy efficiency improvement measures. In Minsk, Hrodna and Mahilou, other PR activities initiated and conducted to support official completion of construction and putting in operation of the three pilot houses. Various visibility products and promo texts designed and produced to support the said PR-campaigns and ceremonies. During the year.
4.1.2	Prepare and publish articles, leaflets, brochures, etc. for professionals about the best practices and concerning peculiarities of construction of and equipment installation in energy efficient residential buildings.	50	50	50	50	200	GEF	71300 - local consultants		At least one printed material for professionals about the best practices related to construction of and equipment installation in energy efficient residential buildings prepared and issued. During the year.
		250	250	250	250	1,000	GEF	74200 - audio & video prod.		
4.1.3	In cooperation with the Ministry of Education and the EE Department, provide informational and expert supports to the "Energy Marathon" Republican Contests.	300	300			600	GEF	71300 - local consultants		The "Energy Marathon" Republican Contest supported through the expert and informational backing and conducted. During the year.
		500	500			1,000	GEF	74200 - audio & video prod.		
			330			330	GEF	71600 - travel		
4.1.4	Project information materials	500	500	500	500	2,000	UNDP	74200 - audio & video prod.		Project information materials prepared and published off-line and on-line as per activities 4.1.1-4.1.3 above. During the year.
4.2	Agreed methodology and sustainable institutional arrangements for annual market monitoring keeping track on buildings constructed each year as well as the sale of key building materials, accessories and appliances together with their energy performance characteristics.								Project Manager	The methodology and institutional arrangements elaborated in draft concerning a system for annual monitoring of the energy efficient buildings constructed as well as the sale of key building materials, accessories and appliances together with their energy performance characteristics. To be continued in 2017
4.2.1	Prepare and discuss a draft of the methodology and sustainable institutional arrangements for annual market monitoring keeping track on buildings constructed each year as well as the sale of key building materials, accessories and appliances together with their energy performance characteristics.			240	240	480	GEF	71300 - local consultants		The methodology and institutional arrangements elaborated in draft and discussed with Ministry of Architecture & Construction and EE Department concerning a system for annual monitoring of the energy efficient buildings constructed as well as the sale of key building materials, accessories and appliances together with their energy performance characteristics. Deadline - Dec 31, 2016
4.3	Fully mandated and capacitated state agency with a responsibility to monitor the energy savings and CO2 emission reductions in residential and other buildings, together with the agreed procedures and interagency agreements for compiling the required primary data.								Project Manager	State agency, which may assume responsibility to monitor the energy savings and GHG emissions in residential sector along with procedures for collecting the required primary data, reporting and accounting these parameters suggested. To be continued in 2017

3.1	Elaborate criteria for a state agency, which may assume responsibility to monitor the energy savings and GHG emissions in residential sector. Draft a procedures for collecting the required primary data, reporting and accounting these parameters.	240	240	480	GEF	71300 - local consultants	Analysis conducted and resulting report prepared along with necessary recommendations containing a set of criteria elaborated to select a state agency, which may assume coordination and responsibility for collection and filing of initial data and monitoring of energy savings and GHG emissions in residential sector. The recommendations discussed with stakeholders. A draft of procedures for collecting the required primary data, reporting and accounting these parameters elaborated and agreed upon by relevant state agencies. Deadline - Dec 31, 2016		
4.4	An approved national energy audit program (including the required funding for its implementation) for promoting larger number of energy audits of residential and other buildings and including a mechanism for using the audit results for elaboration of the energy efficiency strategies for the building sector at the national level.						Project Manager	A national energy audit program for promoting energy audits of residential buildings along with appropriate budget and mechanism for using the audit results for elaboration of further energy efficiency strategies drafted. To be continued in 2017	
4.4.1	Suggest a national energy audit program (including a draft of its required budget) for promoting larger number of energy audits of residential buildings along with a mechanism for using the audit results for elaboration of energy efficiency improvement strategies for the building sector.	240	240	480	GEF	71300 - local consultants	A national energy audit program for residential buildings along with appropriate budget and mechanism for using the audit results for elaboration of further energy efficiency improvement strategies drafted and presented to relevant state agencies for further consideration. Deadline - Dec 31, 2016		
4.5	Energy-efficiency aspects integrated into the regional and local plans for territorial development being developed by the Institute of Urban and Regional Planning (IRUP).						Project Manager	The energy efficiency housing development aspects elaborated by the Project suggested to be integrated by the Institute of Urban and Regional Planning into the regional and local plans for territorial development. To be continued in 2017	
4.5.1	Based on the project's experience and results received during architectural design of the three pilot buildings, elaborate recommendations as to the integration of energy efficiency aspects into regional and local plans for territorial developments.	240	240	480	GEF	71300 - local consultants	Report with recommendations prepared and submitted to the Institute of Urban and Regional Planning concerning approaches and architectural solutions, which address integration of energy efficiency improvement measures into regional and local plans for territorial development. Deadline - Dec 31, 2016		
4.6	An International conference on energy efficiency in residential sector held in Belarus, including a field visit to the pilot demonstration sites and coordination with other UNDP/GEF building energy-efficiency projects.						PIU PR Expert	International seminars on "Best Practice in Energy Efficiency Improvement in Residential Buildings" are organized and held annually with a larger International Conference by the end of the Project.	
4.6.1	Organize and hold International seminars (or separate conference sessions) on "Best Practice in Energy Efficiency Improvement in Residential Buildings" under the auspices of the Project and in cooperation with the EE Department, UNDP and other similar projects.		2,000	2,000	GEF	71200 - international consultants	At least 100 professionals and decision makers raised their knowledge and skills in conducting and implementing energy efficiency improvement projects, and shared experience, strategy and technical solutions while taking part in at least one International seminar on "Best Practice in Energy Efficiency Improvement in Residential Buildings" organized and held under auspices of the project. During the year		
			0		GEF	71300 - local consultants (budget 2015)			
			250	250	GEF	71600 - travel			
			9,220	9,220	UNDP	72100 - contract. serv. companies			
			210	210	UNDP	71300 - local consultants (translation)			
			500	500	GEF	74200 - audio & video prod.			
4.7	Regularly updated project website with a link to an Expanded Energy Platform.						PIU PR Expert	The Project's website regularly updated both in structure and information	
4.7.1	Further update and improve the Russian content of the website with posting the project reports and key publications in the corresponding sections and provide translation of the website current content and information materials into English language.	150	150	150	150	600	GEF	71400 - service contr. individ.	All Project reports and key publications of 2014-2015 posted. During the year
			210		210	420	UNDP	71300 - local consultants (translation)	

4.7.2	Regularly update the project reporting website content (project outcomes and achievements, reports, articles, etc.), specific content (methodologies, standards, recommendations, etc. produced by the project) and news content (announcements, news and press releases, reposted relevant mass-media publications, etc.) along with technically adapted and posted photo (video) content and assure promotion of the website through Internet search engines and social networks.	390	390	390	390	1,560	GEF	71400 - service contr. individ.		The Project Website content regularly updated along with project content in other networks (Facebook, Twitter). During the year
4.8	Annual market monitoring reports for new building construction with the emphasis on energy efficiency aspects.								Project Manager	The energy efficiency building construction market monitoring report for 2013-2016 prepared
4.8.1	Conduct a study on energy performances and respective GHG emissions of different residential buildings introduced in the housing construction market in 2013, 2014, 2015 and 2016, and, on this basis, draft reports containing the data on market monitoring for new residential building construction, results of analysis and respective recommendations with the emphasis on energy efficiency improvement and GHG emission reduction aspects.				0	0	UNDP	71300 - local consultants (budget 2015)		Report containing the data on the energy efficiency building construction market monitoring for 2013-2016 prepared along with results of analysis and respective recommendations as to further possibilities for energy efficiency improvement and GHG emission reduction, submitted stakeholders and published on-line. Deadline - Dec 31, 2016
4.9	Final project report consolidating the results and lesson learnt from the implementation of the proposed project components and recommendations for the required next steps.								Project Manager	The Output is to be implemented in 2017 pursuant to the action plans approved (see activity 3.2.5)
	Bank fee, GEF	25	25	25	25	100	GEF	74510 - bank charges		Bank charges. During the year
	Bank fee, UNDP	0	10	0	10	20	UNDP	74510 - bank charges		Bank charges. During the year
	Outcome 4 total UNDP:	500	720	500	10,150	11,870	UNDP			
	Outcome 4 total GEF:	5,815	6,145	5,975	8,725	26,660	GEF			
	Outcome 4 total:	6,315	6,865	6,475	18,875	38,530				
Effective project management and monitoring ensured										
PM1	Project monitoring and reporting.				150	150	UNDP	71600 - travel	Project Manager	At least one Project Steering Committee meetings held. Deadline - Dec 31, 2016. All project reports submitted and approved in due time. Deadline - July 15, 2016 (for GEF's annual PIR and Logs) and Dec 31, 2016 (for the annual report to the Ministry of Economy, APR and Logs)
PM2	Project management and project office functioning.	175	175	175	175	700	GEF	71300 - local consultants	Project Manager	Project office successfully operated. Project plan successfully fulfilled. Throughout the Project
		150	150	150	150	600	UNDP	71300 - local consultants (translation)		
		11,800	11,800	11,800	1,601	37,001	GEF	71400 - contract. serv. individ.		
		5,250	5,250	5,250	5,250	21,000	UNDP	71400 - contract. serv. individ.		
		200	200	200	250	850	UNDP	71600 - travel		
		500	500	500	500	2,000	UNDP	72100 - contract. serv. companies		
		375	375	375	375	1,500	GEF	72400 - communicat		
		400		305		705	GEF	72500 - Office Supplies		
		1,500	1,500	1,500	1,500	6,000	UNDP	73100 - utilities		

		375	375	375	375	1,500	UNDP	73400 - equipment services		
		375	375	375	375	1,500	UNDP	74500 - miscellan.		
		13	13	13	13	50	GEF	74500 - miscellan.		
	Project management total UNDP:	8,350	8,350	8,350	8,550	33,600	UNDP			
	Project management total GEF:	12,763	12,363	12,668	2,164	39,956	GEF			
	Project management total:	21,113	20,713	21,018	10,714	73,556				
	Total for UNDP	8,940	9,160	8,940	23,680	50,720				
	Total for GEF	28,441	613,477	60,878	55,984	758,780				
	Total 2016:	37,381	622,637	69,818	79,664	809,500				

Project Manger
A. Grebenkov

[Signature]
10/02/2016

Programme Analyst

[Signature]

I. Tchoulba

10 Feb 2016