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**LOCAL ALTERNATIVE ENERGY SOLUTIONS IN  
MYRHOROD (LAESM)**

**USAID FUNDED PROJECT**

**Performance Monitoring and Evaluation Plan**

**June 1, 2013 – November 30, 2015**

This document was produced for review by the United States Agency for International Development.  
It was prepared by the LAESM Project implemented by MDI in Ukraine.

## A. LAESM Approach to Performance Monitoring and Evaluation Plan

Implementation of a complex project requires a performance monitoring system that generates routine information from a variety of sources at local and regional levels using diverse methods that allow project management to monitor the implementation of the LAESM Project tasks (and related activities) and their effectiveness in achieving Project objectives. At each data collection point, the performance monitoring system attempts to get information on key performance indicators measuring the results of Project activities.

The Project Performance Monitoring and Evaluation Plan is based on the program objective and expected results that are described in the LAESM Technical Approach section and in LAESM Project LogFrame. The project performance monitoring system uses diverse data collection methods which complement and mutually reinforce each other and that enable the project management to triangulate responses to acquire a greater understanding of project effectiveness. The PMEP will serve as a critical management tool in the implementation of the LAESM Project. The Project team has developed an integrated approach that links the results framework, PMEP, and management structure. The PMEP will help inform management decision-making as well as measuring the impact of project activities.

The Project LogFrame identifies the links between the overall project objective, intermediate results and output of project activities. The overall project objective is to reduce CO2 emissions through increasing the effectiveness of the energy sector in Poltava region. It is directly linked to USAID Mission Strategy CDCS. Specifically, it contributes to IR2.4 Enhanced Energy Security, as well as to IR2.4.1 Improved Energy Policies and IR2.4.4 More Private Investment in Energy Sector. The Project is also contributing to the US Presidential Global Climate Change (GCC) Initiative and new EC-LEDS effort.

The critical links in the LogFrame constitute the basis for definition of “key performance indicators” that provide critical information about project effectiveness. A number of the proposed outcome performance indicators are based on FAF and GCC Standard Indicators. The proposed output performance indicators are based on results of project activities contributing to individual IRs. Specific attention is paid to factors such as gender and local capacity building (ensuring sustainability). For sustainability, we propose a number of indicators to monitor the following: cost-share from public-private partners (leverage of investments) and capacity building of both people and institutions.

The PMEP supports reliable data collection by documenting the frequency and schedule of data collection and assigning responsibilities. The LAESM Project management will have ultimate responsibility for performance monitoring and reporting to USAID. The Project Monitoring Specialist will be directly responsible for the PMEP preparation and collection of key data from technical experts and project partners (both public and private partners).

The PMEP (**Table 1**) presents a detailed description of key performance indicators to be used to track progress toward the overall objective of LAESM as defined in the LogFrame. The PMEP captures the broad range of indicators stated or implied by the Program Description. It captures the key performance indicators agreed-on by the project and project stakeholders via an iterative process of engagement, feedback, and revision. The frequency and schedule for data collection and reporting is tied to the project operating/decision making cycle and Mission reporting requirements based on a fiscal year calendar. Data will be collected on regular basis and reported to the Mission. The PMEP assumes the following:

- LAESM produces quarterly monitoring reports for the USAID/Ukraine Mission;
- Outputs are collected on an ongoing basis as they occur and reported in the quarterly LAESM monitoring report and in the annual USAID monitoring report;

- Milestones are defined in the Annual Work Plan and reported in the quarterly LAESM report;
- Outcomes and objectives are collected bi-annually and reported in the annual USAID report;
- LAESM reports are submitted in 15 days following the end of the relevant reporting period.

In addition to the tabular PMEP format shown in table 1, the project team prepared PMEP Data Table (**Table 2**) with appropriate baseline and expected annual targets. The project experts conducted thorough analysis of renewables in Poltava region for preparation of the proposal. The baseline for indicators is established for year 2013.

The project team prepared Performance Indicator Reference Sheets (**Table 3**) for each of the key performance indicators included in the PMEP. The PIRS is a permanent record of each indicator tracked in the project performance monitoring system that describes in detail how each indicator is operationalized. It covers more and goes into greater depth than is feasible in the kind of PMEP table and provides clarity about key performance indicators, ensures consistent interpretation and application over time, and maintains the continuity and consistency of the performance monitoring system.

## **B. Data Sources, Collection Methods, and Reporting**

The LAESM performance monitoring system will use a diverse range of quantitative and qualitative data collection methods. Data collection methods are defined in the PIRS and include formal questionnaires and assessments, key-informant interviews, focus group discussions, and secondary research. In addition to regular data collection activities, the project will conduct complementary data collection as needed to answer specific questions of interest to project management.

Several of the proposed indicators are aggregate indicators comprised of various data elements. These disaggregated data elements make up the lowest level of raw data entry of the PMEP system and come directly from the project, as well as project counterparts. The project counterparts include both public and private partners. In some cases, the project will collect data directly from government institutions on quarterly basis through discussions, surveys, interviews, and/or submission of data collection forms. Primary data will be collected on a monthly basis from the beneficiaries (i.e. oblast administration, city administration of Myrhorod, heating utility, local agriculture companies, private sector participants, communities and consumers' associations) that LAESM supports. In addition to explicit knowledge (knowledge disseminated through reports or presentations) captured in the performance monitoring system, the project performance monitoring system will be designed to capture tacit knowledge (knowledge held by an individual experts) through routine, planned interactions among project management, staff, implementing partners, and other sector actors.

LAESM will analyze, review, and report program results on a regular basis. This regular reporting will include a summary of activities implemented to control, verify, and validate the data being reported, any anomalies discovered, and corrective measures taken to resolve them. This will also include monitoring information that may not be encompassed fully by the indicators identified in the attached tables. Our reports will also provide contextual analysis when factors beyond the project's control affect monitoring information. Our monitoring specialist will ensure that all data and information from the project are easily accessible and readily convertible into USAID's own internal reporting systems. We will provide a variety of reporting including:

- ***Quarterly performance reports*** will summarize progress in each component— including data on performance indicators, an in-depth analysis of progress toward work plan objectives, obstacles and potential delays, accrued expenditure by project activity,

updated milestones and targets, and successes.

- **Annual reports.** Our quarterly reports will form the basis of an annual report, which will contain in-depth analysis of annual progress, an update of annual targets, discussions of progress and hurdles, and a presentation of success stories, lessons learned, and best practices. In addition to providing quantitative data, the technical staff will also provide written narratives covering major achievements during the reporting period and/or major obstacles that hampered progress. A certain amount of anecdotal information will also be provided where applicable.
- **Completion report.** The Completion report will be developed in accordance with contract requirements. It will summarize LAESM's accomplishments and impact in relation to the expected results and the PMEP, and provide recommendations for future and unfinished work. The report will discuss the project's impact, as compared to baseline conditions and data; analyze Ukraine's overall enabling environment for biomass from agricultural residues, discuss problems encountered, lessons learned, and suggest ways to resolve constraints.

The Project Monitoring Specialist will be responsible for organizing the processes surrounding data collection. S/he will ensure team members have the appropriate tools for data collection and that they collect data consistently and at the appropriate frequency. To provide data accuracy oversight and verification, the specialist will conduct site visits and interview technical experts, representatives from organizational partners to verify results and determine whether the results are attributable to the project. Specific attention will be paid to monitoring of gender issue (most of project indicators are disaggregated by gender) and sustainability of project efforts (i.e. cost-sharing from public and private partners).

The Project management will supervise the overall PMEP system to ensure its reliability for measuring LAESM's performance, as well as the general integrity and quality of data being reported to USAID. The project experts will contribute to ensure data collection, review of data reasonableness and quality, and provide input as to the appropriate indicators in those cases where changing circumstances surrounding the project warrant doing so in each of their corresponding field of expertise. In most cases, technical staff will be responsible for the primary data collection and review data reasonableness and quality for the indicators directly related to their work.

The Project Monitoring Specialist will provide assistance in data collection and entry, if the circumstances and the work load require it. In some cases, short-term consultants who work with specific counterparts on a regular basis may assist with data collection as instructed. The technical advisors, who work with our counterparts closely, are in the most suitable position to acquire necessary data. They will collect data at the appropriate frequency, using standardized methodology to ensure consistency.

**Table 1: PMEP - LAESM**

<b>PROJECT GOAL: Develop sustainable solutions for increased utilization of locally available alternative energy sources (biomass) in Myrhorod rayon of Poltava region in compliance with market and environmental requirements (All Project Tasks)</b>					
<b>Key Performance Indicator</b>	<b>Indicator Definition and Unit of Measurement</b>	<b>Data Source</b>	<b>Justification / Management Utility</b>	<b>Collection Frequency</b>	<b>Reporting Frequency</b>
<p>Number of people with increased access and use of modern energy services as a result of USG assistance</p> <p><b>(Outcome Performance Indicator)</b></p>	<p><b>Definition:</b> Number of people with new or improved service connections and use of modern fuels (from bio-mass alternative sources of energy).</p> <p><b>Unit:</b> Number of people  <b>Target:</b> 1500  <b>Disaggregated By:</b> Gender (men/women)</p>	<p>Municipal and oblast administrations                      Private sector participants                      Implementing partner (MDI) and its consultants</p>	<p>Indicator of how USG assistance contributes to sustainable use of local bio-mass energy resources</p>	<p>Annually</p>	<p>Annually</p>
<b>PROJECT OVERALL OBJECTIVE: Reduce CO2 emissions through increasing the effectiveness of the energy sector in Poltava region (All Project Tasks)</b>					
<p>Greenhouse gas (GHG) emissions, estimated in metric tons of CO2, reduced, sequestered, and/or avoided as a result of USG assistance  <b>[4.8-7 GCC Indicator]</b></p> <p><b>(Outcome Performance Indicator)</b></p>	<p><b>Definition:</b> Measures the amount of CO2 equivalent reduction resulting from substitution of fossil fired boiler by bio-mass installation with assistance of USG  <b>Unit:</b> tons of CO2 equivalent  <b>Target:</b> 2,200  <b>Disaggregated By:</b> n/a</p>	<p>Municipal and oblast administrations                      Private sector participants                      Implementing partner (MDI) and its consultants</p>	<p>Indicator of how USG assistance contributes to CO2 emissions reduction</p>	<p>Annually</p>	<p>Annually</p>
<b>Intermediate Result 1: Establish enabling infrastructure and regulatory environment for clean energy production from bio-mass local sources (Tasks 1 and 2)</b>					
<p>1.1 Number of institutions with improved capacity to address climate change issues as a result of USG assistance <b>[4.8.2-14b ‘Clean energy capabilities’]</b></p> <p><b>(Outcome Performance Indicator)</b></p>	<p><b>Definition:</b> Number of rural enterprises, rayon and oblast institutions, involved in development of bio-fuel projects with assistance of USG  <b>Unit:</b> Number of institutions  <b>Target:</b> 10 institutions</p>	<p>Municipal and oblast administrations                      Rural agriculture producers                      Private sector participants</p>	<p>Indicator of how USG assistance contributes in institutional capacity building and ability to improve CO2</p>	<p>Bi-annually</p>	<p>Bi-annually</p>

	<b>Disaggregated By:</b> Geographical units (rayons) and type of organizations	Implementing partner (MDI) and its consultants	emission reduction regulation		
1.2 Policy reforms/laws/regulations/ administrative procedures drafted and presented for public/ stakeholder consultations to enhance sector governance and/or facilitate private sector participation and competitive markets as a result of USG assistance <b>(FAF Standard Indicator 4.4.1-33)</b> <b>(Outcome Performance Indicator)</b>	<b>Definition:</b> Regulations and administrative procedures developed to enhance municipal sector governance and/or facilitate private sector participation and competitive markets as a result of USG assistance <b>Unit:</b> Number of regulations/administrative procedures <b>Target:</b> 5 regulatory procedures <b>Disaggregated By:</b> type of documents	Municipal and oblast administrations Implementing partner (MDI) and its consultants	Indicator of improving enabling environment for CE and GHG emission reduction	Bi-annually	B-annually
1.3 Local infrastructure established to support bio- mass clean energy projects as a result of USG assistance <b>(Output Indicator)</b>	<b>Definition:</b> Bio-mass infrastructure prepared and established to support implementation of clean energy production projects <b>Unit:</b> process indicator S1: Design documentation prepared for bio-mass storage facility S2: Bio-mass Resource Center established S3: Storage facility established S4: Long term agreements signed with local agriculture producers <b>Target:</b> S4 <b>Disaggregated By:</b> N/A	Municipal and oblast administrations Rural agriculture producers Private sector participants Implementing partner (MDI) and its consultants	Indicator of how local infrastructure supports clean energy production	Quarterly	Quarterly
<b>Intermediate Result 2: Public is well informed about local bio-mass solutions and supports them (Tasks 2, 3, 4, 6)</b>					
2.1 Public acceptance of clean energy production	<b>Definition:</b> Percentage of	Implementing	Indicator of how	Annually	Annually

as a result of USG assistance <b>(Outcome Performance Indicator)</b>	people surveyed who express support of a shift to clean energy production <b>Unit of Measure:</b> Percentage of people <b>Target:</b> 20% increase <b>Disaggregated By:</b> Gender (men/women)	partner (MDI) and its consultants Survey of municipal heat consumers	USG assistance improved public awareness and support to clean energy production		
2.2 Person hours of training completed in climate change supported by USG assistance <b>FAF Standard Indicator (Output Performance Indicator)</b>	<b>Definition:</b> Number of person hours of training on use of local bio-mass to substitute imported gas and decrease CO2 emissions with assistance of USG <b>Unit:</b> number of person hours <b>Target:</b> 1200 person hours <b>Disaggregated By:</b> Geographic units (rayons)/ Gender (men/women)	Municipal and oblast administrations Rural agriculture producers Private sector participants	Indicator of how USG assistance contributes to local capacity building on CO2 reduction activities and development of civil society	Annually	Annually
2.3 Number of events undertaken to promote CE (renewables) reforms and institutionalize a public participation process <b>(Output Performance Indicator)</b>	<b>Definition:</b> Number of public events undertaken to promote CE (renewables) reforms and institutionalize a public participation process. Includes public opinion surveys and focus groups, conferences, round tables, high-level discussions, public hearings, public city councils, public information campaigns <b>Unit:</b> Number of events, <b>Target:</b> 10 events <b>Disaggregated By:</b> Geographic unit; type of event, gender	Implementing partner (MDI) and its consultants Professional associations Municipalities	Official and public support for municipal energy reform is an important pre-requisite implementation of CE/EE plans, programs, and projects	Bi-annually	Bi-annually
<b>Intermediate Result 3: Clean energy practices are introduced in Poltava region (Tasks 3, 4, and 5)</b>					

<p>3.1 Amount of investment leveraged in US dollars, from public and private sources for climate change as a result of USG assistance <b>4.8.2 -10 GCC Indicator</b> <b>(Outcome Performance Indicator)</b></p>	<p><b>Definition:</b> Amount of dollars that were mobilized from the public, donors, and private sectors as a result of USG assistance programs <b>Unit:</b> millions of US dollars <b>Target:</b> 2.5m USD <b>Disaggregated By:</b> Geographic units (rayons)</p>	<p>Municipal and oblast administrations Private sector participants Implementing partner (MDI) and its consultants</p>	<p>Indicator of how USG assistance leverages state, municipal and private sector investments in CO2 reduction activities</p>	<p>Annually</p>	<p>Annually</p>
<p>3.2 Number of proposals, business plans and feasibility studies for financing Clean Energy municipal infrastructure projects <b>(Output Performance Indicator)</b></p>	<p><b>Definition:</b> Number of investment proposals for financing Clean Energy projects and support infrastructure for CE (renewables) projects <b>Unit:</b> Number of proposals. <b>Target:</b> 2 <b>Disaggregated By:</b> N/A</p>	<p>Implementing partner (MDI) and its consultants Energy companies / utilities Municipalities Private sector participants</p>	<p>Indicator that municipalities are moving forward productively in preparation of investment proposals and securing funding for making CE/EE improvements.</p>	<p>Bi-annually</p>	<p>Bi-annually</p>
<p><b>Environmental Compliance Indicator</b> Inclusion of environmental compliance issues within project documents, regulations, plans, and activities <b>(Mandatory Indicator)</b></p>	<p><b>Definition</b> Measures how project is complying with environmental requirements <b>Unit:</b> Process indicator S1: Environmental risks are assessed S2: EMMP developed S3: Risk mitigation measures incorporated in the project activities, documents, plans and regulations S4: Monitoring and reporting established <b>Target:</b> S4 <b>Disaggregated By:</b> N/A</p>	<p>Implementing partner (MDI) and its consultants Municipal and oblast administrations, Private sector participants</p>	<p>Indicator of how project is complying with environmental requirements</p>	<p>Annually</p>	<p>Annually</p>

**Table 2: PMEP Data Table - LAESM**

PERFORMANCE INDICATOR	INDICATOR DEFINITION	DATA SOURCE	BASELINE DATA		TARGETS AND ACTUALS								RESPONSIBLE FOR DATA COLLECTION
					FY 2013		FY 2014		FY2015		TOTAL OF PROJECT		
			Year	Value	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
<b>PROJECT GOAL: Develop sustainable solutions for increased utilization of locally available alternative energy sources (biomass) in Myrhorod rayon of Poltava region in compliance with market and environmental requirements</b>													
<b>Indicator Name:</b> Number of people with increased access and use of modern energy services as a result of USG assistance  <b>Unit of Measure:</b> Number of people	Number of people with new or improved service connections or receiving modern fuels (from bio-mass alternative sources of energy).	Municipal and oblast administration Private sector participants Implementing partner MDI and its consultants	2013	0	0	0	750	0	750	0	<b>1500</b>	<b>1518</b>	MDI Management and Monitoring Specialist
<b>PROJECT OVERALL OBJECTIVE: Reduce CO2 emissions through increasing the effectiveness of the energy sector in Poltava region</b>													
<b>Indicator Name:</b> Greenhouse gas (GHG) emissions, estimated in metric tons of CO2, reduced, sequestered, and/or avoided as a result of USG assistance  <b>Unit of Measure:</b> tons of CO2 equivalent	Measures the amount of CO2 equivalent reduction resulting from substitution of fossil fired boiler by bio-mass installation with assistance of USG	Municipal and oblast administration Private sector participants Implementing partner MDI and its consultants	2013	0	0	0	1,100	0	1,100	1360	<b>2,200</b>	<b>1360</b>	MDI Management and Monitoring Specialist
<b>Intermediate Result 1: Establish enabling infrastructure and regulatory environment for clean energy production from bio-mass local sources (Tasks 1 and 2)</b>													

PERFORMANCE INDICATOR	INDICATOR DEFINITION	DATA SOURCE	BASELINE DATA		TARGETS AND ACTUALS								RESPONSIBLE FOR DATA COLLECTION
					FY 2013		FY 2014		FY2015		TOTAL OF PROJECT		
			Year	Value	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
<b>1.1 Indicator Name:</b> Number of institutions with improved capacity to address climate change issues as a result of USG assistance  <b>Unit of Measure:</b> Number of institutions	Number of rural enterprises, rayon and oblast institutions, involved in development of bio-fuel projects with assistance of USG	Municipal and oblast administration Rural agriculture producers	2013	0	0	0	4	0	6	17	10	17	MDI Management and Monitoring Specialist
<b>1.2 Indicator Name:</b> Policy reforms/laws/regulations/administrative procedures drafted and presented for public/ stakeholder consultations to enhance sector governance and/or facilitate private sector participation and competitive markets as a result of USG assistance  <b>Unit of Measure:</b> Number of procedures	Regulations and administrative procedures developed to enhance municipal sector governance and/or facilitate private sector participation and competitive markets as a result of USG assistance	Municipal and oblast administration Implementing partner MDI and its consultants	2013	0	0	0	3	0	2	5	5	5	MDI Management and Monitoring Specialist

PERFORMANCE INDICATOR	INDICATOR DEFINITION	DATA SOURCE	BASELINE DATA		TARGETS AND ACTUALS								RESPONSIBLE FOR DATA COLLECTION
					FY 2013		FY 2014		FY2015		TOTAL OF PROJECT		
			Year	Value	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
<b>1.3 Indicator Name:</b> Local infrastructure established to support bio-mass clean energy projects as a result of USG assistance  <b>Unit of Measure:</b> Process indicator (S1-S4)	Bio-mass infrastructure prepared and established to support implementation of clean energy production projects	Municipal and oblast administration Rural agriculture producers Private sector participants Implementing partner MDI and its consultants	2013	0	S1	S1	S3	S3	S4	S4	S4	S4	MDI Management and Monitoring Specialist
<b>Intermediate Result 2: Public is well informed about local bio-mass solutions and supports them (Tasks 2, 3, 4, 6)</b>													
<b>2.1 Indicator Name:</b> Public acceptance of clean energy production as a result of USG assistance  <b>Unit of Measure:</b> Percentage of people	Increase in percentage of people surveyed who express support of a shift to clean energy production	Implementing partner MDI and its consultants  Survey of municipal heat consumer	2013	0	0	0	10	22	22	56	22	56	MDI Management and Monitoring Specialist

PERFORMANCE INDICATOR	INDICATOR DEFINITION	DATA SOURCE	BASELINE DATA		TARGETS AND ACTUALS								RESPONSIBLE FOR DATA COLLECTION
					FY 2013		FY 2014		FY2015		TOTAL OF PROJECT		
			Year	Value	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
<p><b>2.2 Indicator Name:</b> Person hours of training completed in climate change supported by USG assistance.</p> <p><b>Unit of Measure:</b> Number of people</p>	Number of person hours of training on use of local bio-mass to substitute imported gas and decrease CO2 emissions with assistance of USG	Municipal, oblast administration Rural agriculture producers Private sector participants Implementing partner MDI and its consultants	2013	0	100	0	580	0	520	3094	1200	3094	MDI Management and Monitoring Specialist
<p><b>2.3 Indicator name:</b> Number of events undertaken to promote CE (renewables) reforms and institutionalize a public participation process</p> <p><b>Unit of Measure:</b> Number of events</p>	Number of public events undertaken to promote CE (renewables) reforms and institutionalize a public participation process	Implementing partner MDI and its consultants Professional associations Municipalities	2013	0	1	1	5	5	4	16	10	16	MDI Management and Monitoring Specialist
<b>Intermediate Result 3: Clean energy practices are introduced in Poltava region (Tasks 3, 4, and 5)</b>													
<p><b>3.1 Indicator Name:</b> Amount of investment leveraged in US dollars, from public and private sources for climate change as a result of USG assistance.</p> <p><b>Unit of Measure:</b> millions of US dollars</p>	Amount of dollars that were mobilized from the public, donors, and private sectors as a result of USG assistance programs	Municipal and oblast administration Private sector participants Implementing partner MDI and its consultants	2013	0	0	0	0.3	0	2.2	385,2 13.45	2.5	385,2 13.45	MDI Management and Monitoring Specialist

PERFORMANCE INDICATOR	INDICATOR DEFINITION	DATA SOURCE	BASELINE DATA		TARGETS AND ACTUALS								RESPONSIBLE FOR DATA COLLECTION
					FY 2013		FY 2014		FY2015		TOTAL OF PROJECT		
			Year	Value	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
<b>3.2 Indicator Name:</b> Number of proposals, business plans and feasibility studies for financing of municipal infrastructure projects <b>Unit:</b> number of investment proposals	Number of proposals and /or loan applications for financing to make heating infrastructure and investments in CE (renewables)	Implementing partner MDI Energy companies / utilities Municipalities Private sector participants	2013	0	0	0	1	0	1	3	2	3	MDI Management and Monitoring Specialist
<b>Indicator Name:</b> <b>Environmental Compliance Indicator</b> Inclusion of environmental compliance issues within project documents, regulations, plans, and activities <b>Unit:</b> Process indicator (S1-S4)	Measures how project is complying with environmental requirements	Municipal and oblast administration Private sector participants Implementing partner MDI Surveys	2013	0	S1	S1	S3	S3	S4	S4	S4	S4	MDI Management and Monitoring Specialist

**Table 3. Performance Indicator Reference Sheets (PIRS)**

LAESM Performance Indicator Reference Sheet
<p><b>Name of Result Measured: Project Goal</b>  <b>Project Goal:</b> Develop sustainable solutions for increased utilization of locally available alternative energy sources (biomass) in Myrhorod rayon of Poltava region in compliance with market and environmental requirements (all Project Tasks)</p>
<p><b>Name of Key Performance Indicator:</b> Number of people with increased access and use of modern energy services as a result of USG assistance</p>
<p><b>Is this a Performance Plan and Report indicator?</b> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> for Reporting Year(s) <u>2013-2015</u>  <b>If yes, link to foreign assistance framework:</b></p>
DESCRIPTION
<p><b>Precise Definition(s):</b> Number of people with new or improved service connections or receiving modern fuels (bio-mass alternative sources of energy).</p>
<p><b>Unit of Measure:</b> Number of people</p>
<p><b>Disaggregated by:</b> Gender (men/women)</p>
<p><b>Rationale or Justification for Indicator (optional):</b> Indicator of how USG assistance contributes to sustainable use of local bio-mass energy resources. It describes sustainable utilization of heating services produced from alternative bio-mass sources of energy.</p>
PLAN FOR DATA COLLECTION BY LAESM
<p><b>Data Source:</b> Municipal and oblast administration, private sector participants, implementing partner MDI and its consultants, heating utility</p>
<p><b>Method of data collection and construction:</b> Experts reports, local and national government statistics, reports from heating utility</p>
<p><b>Reporting Frequency:</b> Annually</p>
<p><b>Individual(s) responsible at LAESM project:</b>            Ruslan Tormosov, MDI Executive Director; Lina Kozina, MDI Documentation &amp; Quality Control Specialist</p>
DATA QUALITY ISSUES
<p><b>Dates of Previous Data Quality Assessments and name of reviewer:</b> N/A</p>
<p><b>Date of Future Quality Assessment(s) (optional):</b> to be conducted in six months period from the project start-up</p>
<p><b>Known Data Limitations:</b> TBD</p>
TARGETS AND BASELINE
<p><b>Baseline timeframe (optional):</b> Baseline established in 2013.</p>
<p><b>Rationale for Targets (optional):</b> 1500 Targets are set in accordance with expected project results, including both pilot bio-fuel facility and investment project for network of bio-fuel facilities.</p>
CHANGES TO INDICATOR
<p><b>Changes to indicator:</b> N/A</p>
<p><b>Other Notes (optional):</b></p>
<p><b>THIS SHEET LAST UPDATED ON:</b> September 5, 2013</p>

LAESM Performance Indicator Reference Sheet

<p><b>Name of Result Measured: Project Objective</b>  <b>Project Objective:</b> Reduction of CO2 emissions through increasing the effectiveness of energy sector in Poltava oblast (all Project Tasks)</p>
<p><b>Name of Key Performance Indicator: Greenhouse gas (GHG) emissions, estimated in metric tons of CO2, reduced, sequestered, and/or avoided as a result of USG assistance</b></p>
<p><b>Is this a Performance Plan and Report indicator?</b> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>, for Reporting Year(s) <u>2013-2015</u>  <b>If yes, link to foreign assistance framework:</b>  GCC Indicator 4.8 -7  This indicator also contributes to USAID Mission IR 2.4 Enhanced Energy Security</p>
<p><b>DESCRIPTION</b></p>
<p><b>Precise Definition(s):</b>  Measures the amount of CO2 equivalent reduction resulting from substitution of fossil fired boiler by bio-mass installation with assistance of USG.</p>
<p><b>Unit of Measure:</b> tons of CO2 equivalent</p>
<p><b>Disaggregated by:</b> N/A</p>
<p><b>Rationale or Justification for Indicator (optional):</b>  Indicator of how USG assistance contributes to CO2 emissions reduction</p>
<p><b>PLAN FOR DATA COLLECTION BY LAESM</b></p>
<p><b>Data Source:</b> Municipal and oblast administrations, Private sector participants, Implementing partner MDI and its consultants, heating utility</p>
<p><b>Method of data collection and construction:</b> This is proxy indicator. Based on calculation method recommended by IPCC/UNFCCC. Calculation of GHG emission reduction under replacement of natural gas boiler with installed capacity 1 MW/per hour and efficiency nearly 80% to the biofuels. CO2 Emission factor from natural gas combustion is 56,1 tCO2/TJ in accordance to IPCC Guidelines. 1 MWh = 3,6 GJ. Duration of heating period – 180 days or 4320 hours  Energy produced by the boiler = 4320*1/0,8*3,6 = 19 440 GJ. Reductions of CO2 emissions = 19 440* 56,1/1000 = 1 100 tCO2. Exact calculations will be done in accordance with the UNFCCC consolidated baseline and monitoring methodology ACM0006 Consolidated methodology for electricity and heat generation from biomass residues.  <a href="http://unfccc.int/ghg_data/ghg_data_non_unfccc/items/3170.php">http://unfccc.int/ghg_data/ghg_data_non_unfccc/items/3170.php</a></p>

<b>Reporting Frequency:</b> Annually
<b>Individual(s) responsible at LAESM project:</b> Ruslan Tormosov, MDI Executive Director; Michael Brodsky, Technical Expert, Lina Kozina, MDI Documentation & Quality Control Specialist
<b>DATA QUALITY ISSUES</b>
<b>Dates of Previous Data Quality Assessments and name of reviewer:</b> N/A
<b>Date of Future Quality Assessment(s):</b> to be conducted within 60 days of PMEP approval.
<b>Known Data Limitations:</b> Integrity: The choices of possible values for emission factors, carbon sequestration rates, and other variables affect calculations. To ensure integrity, clearly and completely documented GHG calculation methods, data inputs, data sources, and assumptions will be reported. Precision: Using the standard GHG accounting methodologies in the AFOLU Tool and in the CLEER Protocol will enhance consistency and address variances in reporting from the use of diverse methodologies. Reliability: Consistent methodologies should be applied. Any revisions to standard USAID GHG estimation methods should be clearly documented to ensure time series consistency and comparability.
<b>TARGETS AND BASELINE</b>
<b>Baseline timeframe (optional):</b> Baseline established in 2013.
<b>Rationale for Targets (optional):</b> 2,200 Targets are set according to expected project results of implementation of biofuel project in Myrhorod rayon (substitution of natural gas by biomass/straw), considering installation of 1 MW bio-fuel boiler.
<b>CHANGES TO INDICATOR</b>
<b>Changes to indicator:</b> N/A
<b>Other Notes (optional):</b>
<b>THIS SHEET LAST UPDATED ON:</b> September 5, 2013

**LAESM Performance Indicator Reference Sheet**

**Name of Result Measured: Intermediate Result 1**

**IR1:** Establish enabling infrastructure and regulatory environment for clean energy production from bio-mass local sources (Tasks 1 and 2)

**Name of Indicator:**

1.1 Number of institutions with improved capacity to address climate change issues as a result of USG assistance

**Is this a Performance Plan and Report indicator?** No  Yes , for Reporting Year(s) 2013-2015

**If yes, link to foreign assistance framework:**

**DESCRIPTION**

**Precise Definition(s):**

Number of rural enterprises, rayon and oblast institutions, involved in development of bio-fuel projects with assistance on USG

**Unit of Measure:**

Number of institutions

**Disaggregated by:**

Geographical units (rayons) and type of organizations

**Rationale or Justification for Indicator (optional):**

Indicator of how USG assistance contributes in institutional capacity building and sustainability of developing and implementing CO2 emission reduction regulation. It measures number of institutions trained on new CE projects and participated in the development of bio-fuel projects: preparing local supply and infrastructure, developing norms and procedures, and tariffs.

**PLAN FOR DATA COLLECTION BY LAESM**

**Data Source:** Municipal and oblast administrations, Rural agriculture producers, Private sector participants, Implementing partner MDI and its consultants

**Method of data collection and construction:**

Training and capacity building reports of project experts; Government reports and statistics

**Reporting Frequency:** Bi-annually

**Individual(s) responsible at LAESM:**

Ruslan Tormosov, MDI Executive Director; Lina Kozina, MDI Documentation & Quality Control Specialist

**DATA QUALITY ISSUES**

**Dates of Previous Data Quality Assessments and name of reviewer:**

N/A

**Date of Future Quality Assessment(s) (optional):** to be conducted in six months from the project start-up

**Known Data Limitations:** TBD

**TARGETS AND BASELINE**

**Baseline timeframe (optional):**

Baseline established in 2013.

**Rationale for Targets (optional):**

10. Targets are set according to expected result and Work Plan. It takes into account rural suppliers, rayon, city and oblast administrations, utility and private sector participants that will receive new knowledge on CE projects

**CHANGES TO INDICATOR**

**Changes to indicator:** N/A

**Other Notes (optional):** none

**THIS SHEET LAST UPDATED ON:** September 5, 2013

LAESM Performance Indicator Reference Sheet

**Name of Result Measured: Intermediate Result 1**

**IR1:** Establish enabling infrastructure and regulatory environment for clean energy production from bio-mass local sources (Tasks 1 and 2)

**Name of Indicator:**

1.2 Policy reforms/laws/regulations/ administrative procedures drafted and presented for public/ stakeholder consultations to enhance sector governance and/or facilitate private sector participation and competitive markets as a result of USG assistance

**Is this a Performance Plan and Report indicator?** No  Yes  for Reporting Year(s) 2013-2015

**If yes, link to foreign assistance framework: FAF Indicator 4.4.1-33**

**DESCRIPTION**

**Precise Definition(s):**

Regulations and administrative procedures developed to enhance municipal sector governance and/or facilitate private sector participation as a result of USG assistance

**Unit of Measure:** Number of procedures

**Disaggregated by:** type of documents

**Rationale or Justification for Indicator (optional):**

Indicator of improving enabling environment for CE and GHG emission reduction. It measures number of improved local procedures to attract private sector investors in bio-mass production.

**PLAN FOR DATA COLLECTION BY LAESM**

**Data Source:** Municipal and oblast administrations, sub-award recipient reports, project partners, project reports

<b>Method of data collection and construction:</b> Draft regulatory documents; Reports of project experts; Local government regulatory acts
<b>Reporting Frequency:</b> Bi-annually
<b>Individual(s) responsible at LAESM:</b> Ruslan Tormosov, MDI Executive Director; Lina Kozina, MDI Documentation & Quality Control Specialist
<b>DATA QUALITY ISSUES</b>
<b>Dates of Previous Data Quality Assessments and name of reviewer:</b> N/A
<b>Date of Future Quality Assessment(s) (optional):</b> to be conducted in six months period from the Project start-up
<b>Known Data Limitations:</b> <ul style="list-style-type: none"> <li>• Data for this this indicator clearly represent the intended results of supporting policy reform.</li> <li>• Missions should closely assess reported values against indicator definitions of the five stages and periodically review data collection process to ensure accurate reporting.</li> <li>• Data are useful to track performance of implementing partners working on policy reform; however, the outcomes for this indicator are greatly dependent on host country will and processes. Decision-makers should look at country context when using data for performance decisions.</li> <li>• The definition for this indicator has been clearly operationalized, enabling implementing partners and missions to easily determine between stages. These definitions will remain consistent over collection periods.</li> <li>• Process for data collection is simple and not time consuming. Annual reporting allows missions and bureaus to use data for annual portfolio reviews.</li> </ul>
<b>TARGETS AND BASELINE</b>
<b>Baseline timeframe (optional):</b> Baseline is established in 2013.
<b>Rationale for Targets (optional):</b> 5. Targets are set according to expected results and Work Plan. It is expected that modification of key local procedures will be conducted in the first year and additional procedures will be adopted at the oblast level during second year.
<b>CHANGES TO INDICATOR</b>
<b>Changes to indicator:</b> N/A
<b>Other Notes (optional):</b>
<b>THIS SHEET LAST UPDATED ON: September 5, 2013</b>

**LAESM Performance Indicator Reference Sheet**

**Name of Result Measured: Intermediate Result 1**

**IR1:** Establish enabling infrastructure and regulatory environment for clean energy production from bio-mass local sources (Tasks 1 and 2)

**Name of Indicator:**

1.3 Local infrastructure established to support bio-mass clean energy projects as a result of USG assistance

**Is this a Performance Plan and Report indicator?** No \_X\_ Yes \_, for Reporting Year(s) 2013-2015

**If yes, link to foreign assistance framework:**

**DESCRIPTION**

**Precise Definition(s):**

Bio-mass infrastructure prepared and established to support implementation of clean energy production projects

**Unit of Measure:** process indicator

S1: Design documentation prepared for bio-mass storage facility

S2: Bio-mass Resource Center established

S3: Collection, Processing, and Storage facility established

S4: Long term agreements signed with local agriculture producers

**Disaggregated by:** N/A

**Rationale or Justification for Indicator (optional):**

Indicator of how local infrastructure supports clean energy production. It takes into account support (auxiliary) infrastructure (storage, logistic, resource center, and long term supply agreements). This auxiliary infrastructure will enable operation of newly constructed bio-mass boiler (measured by indicators 3.1 and 3.2)

**PLAN FOR DATA COLLECTION BY LAESM**

**Data Source:** Municipal and oblast administrations, Implementing partner MDI and its consultants

**Method of data collection and construction:**

Design documents; Reports of project experts; Draft agreements; Local government acts

**Reporting Frequency:**

Quarterly

**Individual(s) responsible at LAESM:**

Ruslan Tormosov, MDI Executive Director; Lina Kozina, MDI Documentation & Quality Control Specialist

**DATA QUALITY ISSUES**

**Dates of Previous Data Quality Assessments and name of reviewer:** N/A

**Date of Future Quality Assessment(s) (optional):** to be conducted in six months period

**Known Data Limitations:** TBD

**TARGETS AND BASELINE**

**Baseline timeframe (optional):**

Baseline is established in 2013.

**Rationale for Targets (optional):**

S4. Targets are set according to expected results and Work Plan. It is a process indicator. S4 ensures sustainable operation of local support infrastructure

**CHANGES TO INDICATOR**

**Changes to indicator:** N/A

**Other Notes (optional):**

**THIS SHEET LAST UPDATED ON: September 5, 2013**

LAESM Performance Indicator Reference Sheet
<b>Name of Result Measured: Intermediate Result 2</b> <b>IR 2:</b> Public is well informed about local bio-mass solutions and supports them (Tasks 2, 3, 4, 6)
<b>Name of Indicator:</b> 2.1 Public acceptance of clean energy production as a result of USG assistance
<b>Is this a Performance Plan and Report indicator?</b> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> , for Reporting Year(s) <u>2013-2015</u> <b>If yes, link to foreign assistance framework:</b>
DESCRIPTION
<b>Precise Definition(s):</b> Percentage of people surveyed who express support of a shift to clean energy production
<b>Unit of Measure:</b> Percentage of people
<b>Disaggregated by:</b> Gender (men/women)
<b>Rationale or Justification for Indicator (optional):</b> Indicator of how USG assistance improved public awareness and support to clean energy production. It is based on survey of public opinion through focus groups, questionnaires and other tools. Detailed survey methodology will be developed and presented to AOR within three months of PMEPP approval.
PLAN FOR DATA COLLECTION BY LAESM
<b>Data Source:</b> Implementing partners; Survey of municipal heat consumers
<b>Method of data collection and construction:</b> Survey, supplemented with focus group data and reports of public and private partners
<b>Reporting Frequency:</b> Annually
<b>Individual(s) responsible at LAESM:</b> Ruslan Tormosov, MDI Executive Director; Lina Kozina, MDI Documentation & Quality Control Specialist
DATA QUALITY ISSUES
<b>Dates of Previous Data Quality Assessments and name of reviewer:</b> N/A
<b>Date of Future Quality Assessment(s) (optional):</b> to be conducted in six months period from the Project start-up
<b>Known Data Limitations:</b> TBD
TARGETS AND BASELINE
<b>Baseline timeframe (optional):</b> Baseline is established in 2013 (to be confirmed by the results of focus group questionnaires – focus groups will be conducted in six months from the project start-up)
<b>Rationale for Targets (optional):</b> 20%. Targets are set according to expected results and Work Plan. It is based on expectation that every fifth family in Myrhorod will express positive attitudes towards CE projects after public information campaign, trainings, and publicized results of biomass demonstration project
CHANGES TO INDICATOR
<b>Changes to indicator:</b> N/A
<b>Other Notes (optional):</b>
THIS SHEET LAST UPDATED ON: September 5, 2013

LAESM Performance Indicator Reference Sheet
<b>Name of Result Measured: Intermediate Result 2</b> <b>IR 2:</b> Public is well informed about local bio-mass solutions and supports them (Tasks 2, 3, 4, 6)
<b>Name of Indicator:</b> 2.2 Person hours of training completed in climate change supported by USG assistance
<b>Is this a Performance Plan and Report indicator?</b> No _ Yes _ X, for Reporting Year(s) <u>2013-2015</u> <b>If yes, link to foreign assistance framework:</b> FAF Standard Indicator.4.8.2-6It contributes to project IR 2 and USAID Mission IR2.4.4 More private investment in energy sector
DESCRIPTION
<b>Precise Definition(s):</b> Number of person hours of training on use of local bio-mass to substitute imported gas and decrease CO2 emissions with assistance of USG
<b>Unit of Measure:</b> number of person hours
<b>Disaggregated by:</b> Geographic units (rayons)/ Gender (men/women)
<b>Rationale or Justification for Indicator (optional):</b> Indicator of how USG assistance contributes to local capacity building on CO2 reduction activities and development of civil society. It measures direct project effort on building local capacity of local stakeholders in Myrhorod and Poltava region.
PLAN FOR DATA COLLECTION BY LAESM
<b>Data Source:</b> Municipal and oblast administrations; Rural agriculture producers; Private sector participants, Implementing partner MDI and its consultants
<b>Method of data collection and construction:</b> Training reports of project experts; reports of public and private partners
<b>Reporting Frequency:</b> Annually
<b>Individual(s) responsible at LAESM:</b> Ruslan Tormosov, MDI Executive Director; Lina Kozina, MDI Documentation & Quality Control Specialist
DATA QUALITY ISSUES
<b>Dates of Previous Data Quality Assessments and name of reviewer:</b> N/A
<b>Date of Future Quality Assessment(s) (optional):</b> to be conducted within 60 days of PMEP approval.
<b>Known Data Limitations:</b> Validity: This indicator addresses only one of the limitations, necessary skills and knowledge that prevent people from taking certain actions to deal with climate change. It may not translate to action unless other issues are also addressed. Precision: Simply knowing the number of people does not reflect the depth of skills and knowledge conveyed, or capacity to act.
TARGETS AND BASELINE
<b>Baseline timeframe (optional):</b> Baseline is established in 2013.
<b>Rationale for Targets (optional):</b> 1200. Targets are set according to expected results and Work Plan. It is based on assumptions that training events are attended at minimum by 20 participants with training courses from 4 to 8 hours each.
CHANGES TO INDICATOR
<b>Changes to indicator:</b> N/A
<b>Other Notes (optional):</b>
<b>THIS SHEET LAST UPDATED ON: September 5, 2013</b>

LAESM Performance Indicator Reference Sheet
<b>Name of Result Measured: Intermediate Result 2</b> <b>IR2:</b> Public is well informed about local bio-mass solutions and supports them (Tasks 2, 3, 4, 6)
<b>Name of Indicator:</b> 2.3 Number of events undertaken to promote CE (renewables) reforms and institutionalize a public participation process
<b>Is this a Performance Plan and Report indicator?</b> No <input type="checkbox"/> X <input checked="" type="checkbox"/> Yes <input type="checkbox"/> <u>for Reporting Year(s) 2013-2015</u> <b>If yes, link to foreign assistance framework:</b>
DESCRIPTION
<b>Precise Definition(s):</b> Number of public events undertaken to promote CE (renewables) reforms and institutionalize a public participation process. Includes public opinion surveys and focus groups, conferences, round tables, high-level discussions, public hearings, public city councils, public information campaigns
<b>Unit of Measure:</b> Number of events
<b>Disaggregated by:</b> Geographic unit; type of event, gender
<b>Rationale or Justification for Indicator (optional):</b> Official and public support for municipal energy reform is an important pre-requisite implementation of CE/EE plans, programs, and project
PLAN FOR DATA COLLECTION BY LAESM
<b>Data Source:</b> Implementing partners; Professional associations; Municipalities
<b>Method of data collection and construction:</b> Training reports of project experts. Reports of public and private partners.
<b>Reporting Frequency:</b> Bi-annually
<b>Individual(s) responsible at LAESM:</b> Ruslan Tormosov, MDI Executive Director; Lina Kozina, MDI Documentation & Quality Control Specialist
DATA QUALITY ISSUES
<b>Dates of Previous Data Quality Assessments and name of reviewer:</b> N/A
<b>Date of Future Quality Assessment(s) (optional):</b> to be conducted in six months period from the Project start-up
<b>Known Data Limitations:</b> TBD
TARGETS AND BASELINE
<b>Baseline timeframe (optional):</b> Baseline is established in 2013.
<b>Rationale for Targets (optional):</b> 10. Targets are set according to expected results and Work Plan. The number of public events include training seminars, round tables, public discussions and other public events.
CHANGES TO INDICATOR
<b>Changes to indicator:</b> N/A
<b>Other Notes (optional):</b>
<b>THIS SHEET LAST UPDATED ON: September 5, 2013</b>

LAESM Performance Indicator Reference Sheet
<b>Name of Result Measured: Intermediate Result 3</b> <b>IR 3:</b> Clean energy practices are introduced in Poltava region (Tasks 3, 4, and 5)
<b>Name of Indicator:</b> 3.1 Amount of investment leveraged in US dollars, from public and private sources for climate change as a result of USG assistance
<b>Is this a Performance Plan and Report indicator?</b> No <input type="checkbox"/> X <input checked="" type="checkbox"/> Yes <input type="checkbox"/> , for Reporting Year(s) <u>2013-2015</u> <b>If yes, link to foreign assistance framework:</b> <u>GCC 4.8.2-10</u>
DESCRIPTION
<b>Precise Definition(s):</b> Amount of dollars that were mobilized from the public, donors, and private sectors as a result of USG assistance programs
<b>Unit of Measure:</b> millions of US dollars
<b>Disaggregated by:</b> Geographic units (rayons), public and private sector
<b>Rationale or Justification for Indicator (optional):</b> Indicator of how USG assistance leverages state, municipal and private sector investments in CO2 reduction activities. It measures co-financing of public and private sector participants of USG assistance.
PLAN FOR DATA COLLECTION BY LAESM
<b>Data Source:</b> Municipal and oblast administrations; Private sector participants; Implementing partners
<b>Method of data collection and construction:</b> Reports of project experts, data from local government and oblast; investment memorandum or negotiation memo
<b>Reporting Frequency:</b> Annually
<b>Individual(s) responsible at LAESM:</b> Ruslan Tormosov, MDI Executive Director; Lina Kozina, MDI Documentation & Quality Control Specialist
DATA QUALITY ISSUES
<b>Dates of Previous Data Quality Assessments and name of reviewer:</b> N/A
<b>Date of Future Quality Assessment(s) (optional):</b> to be conducted in six months period from the Project start-up
<b>Known Data Limitations:</b> Accuracy: Accurate data on known leveraged investment may be considered confidential by the resource provider and not be available to report. Validity: Measuring investment leveraged does not necessarily indicate the effectiveness of the intervention(s) financed or the magnitude of the results achieved
TARGETS AND BASELINE
<b>Baseline timeframe (optional):</b> Baseline is established in 2013.
<b>Rationale for Targets (optional):</b> 2.5 mln USD. Targets are set according to expected results and Work Plan. It is taking into account commitment of public administrations to co-finance pilot project. And private sector participants to invest in project of network of bio-fuel boilers (based on business plans developed with the assistance of MDI experts)
CHANGES TO INDICATOR
<b>Changes to indicator:</b> N/A
<b>Other Notes (optional):</b>
<b>THIS SHEET LAST UPDATED ON: September 5, 2013</b>

LAESM Performance Indicator Reference Sheet
<b>Name of Result Measured: Intermediate Result 3</b> <b>IR 3:</b> Clean energy practices are introduced in Poltava region (Tasks 3, 4, and 5)
<b>Name of Indicator:</b> 3.2 Number of proposals, business plans and feasibility studies for financing of municipal infrastructure projects
<b>Is this a Performance Plan and Report indicator?</b> No <input type="checkbox"/> Yes, for Reporting Year(s) <u>2013-2015</u> <b>If yes, link to foreign assistance framework:</b>
DESCRIPTION
<b>Precise Definition(s):</b> Number of investment proposals for financing clean energy projects and support infrastructure for CE (renewables) projects
<b>Unit of Measure:</b> Number of proposals
<b>Disaggregated by:</b> N/A
<b>Rationale or Justification for Indicator (optional):</b> Indicator that municipalities are moving forward productively in preparation of investment proposals and securing funding for making CE/EE improvements. It measures direct project effort in developing investment proposals and business plans for bio-mass storage and network of bio-fuel boilers to be invested, constructed and operated by private sector participants.
PLAN FOR DATA COLLECTION BY LAESM
<b>Data Source:</b> Implementing partner MDI and its consultants; Energy companies / utilities; Municipalities; Private sector participants
<b>Method of data collection and construction:</b> draft business plans, investment programs, and feasibility studies
<b>Reporting Frequency:</b> Bi-annually
<b>Individual(s) responsible at LAESM:</b> Ruslan Tormosov, MDI Executive Director; Lina Kozina, MDI Documentation & Quality Control Specialist
DATA QUALITY ISSUES
<b>Dates of Previous Data Quality Assessments and name of reviewer:</b> N/A
<b>Date of Future Quality Assessment(s) (optional):</b> to be conducted in six months period from the Project start-up
<b>Known Data Limitations:</b> TBD
TARGETS AND BASELINE
<b>Baseline timeframe (optional):</b> Baseline is established in 2013.
<b>Rationale for Targets (optional):</b> 2. Targets are set according to expected results and Work Plan. Targets include investment proposals for bio-mass storage and network of bio-fuel boilers developed by project experts for private sector investors
CHANGES TO INDICATOR
<b>Changes to indicator:</b> N/A
<b>Other Notes (optional):</b>
<b>THIS SHEET LAST UPDATED ON: September 5, 2013</b>

LAESM Performance Indicator Reference Sheet
<b>Name of Result Measured: Mandatory Environmental Compliance</b>
<b>Name of Indicator:</b> Environmental Compliance <b>Inclusion of environmental compliance issues within project documents, regulations, plans, and activities</b>
<b>Is this a Performance Plan and Report indicator?</b> No <input type="checkbox"/> X <input checked="" type="checkbox"/> Yes <input type="checkbox"/> , for Reporting Year(s) <u>2013-2015</u> <b>If yes, link to foreign assistance framework:</b>
DESCRIPTION
<b>Precise Definition(s):</b> Measures how project is complying with environmental requirements
<b>Unit:</b> Process indicator S1: Environmental risks are assessed S2: EMMP developed S3: Risk mitigation measures incorporated in the project activities, documents, plans and regulations S4: Monitoring and reporting established
<b>Disaggregated by:</b> N/A
<b>Rationale or Justification for Indicator (optional):</b> Indicator of how project is complying with environmental requirements
PLAN FOR DATA COLLECTION BY LAESM
<b>Data Source:</b> Implementing partners; Municipal and oblast administrations; Private sector participants
<b>Method of data collection and construction:</b> Assessments and Reports of project experts, draft documents with environmental compliance clauses, monitoring reports and reports of public/private partners
<b>Reporting Frequency:</b> Annually
<b>Individual(s) responsible at LAESM:</b> Ruslan Tormosov, MDI Executive Director; Lina Kozina, MDI Documentation & Quality Control Specialist; MDI Environmental Specialist
DATA QUALITY ISSUES
<b>Dates of Previous Data Quality Assessments and name of reviewer:</b> N/A
<b>Date of Future Quality Assessment(s) (optional):</b>
<b>Known Data Limitations:</b> TBD
TARGETS AND BASELINE
<b>Baseline timeframe (optional):</b>
<b>Rationale for Targets (optional):</b> S4. Targets are set according to expected results and Work Plan. It takes measures critical steps in the implementation of environmental compliance requirements by the project and key local stakeholders.
CHANGES TO INDICATOR
<b>Changes to indicator:</b> N/A
<b>Other Notes (optional):</b>
<b>THIS SHEET LAST UPDATED ON: September 5, 2013</b>