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ENERGY AND CLEAN AIR PROJECT
FIFTH ANNUAL REPORT
(OCTOBER 2008 - DECEMBER 2009)



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The author's views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development (USAID) of the United States Government

**TABLE OF CONTENTS****ACRONYMS****EXECUTIVE SUMMARY**

	Page No.
I. Overview	1
About ECAP	1
Expected Results	2
Work Plan Strategies	3
Performance Indicators	4
II. Accomplishment Highlights	8
III. Project Accomplishments	11
Summary of Accomplishments	11
Accomplishment per Strategy: Energy	12
<i>Strategy 1: Strengthening Energy Sector Competency</i>	
<i>Strategy 2: Promoting Transparency and Participation in Energy Policy Making</i>	
<i>Strategy 3: Promoting Efficient Utilization of Indigenous Energy Sources</i>	
<i>Strategy 4: Sustaining Constituency Support for Energy Reforms</i>	
Accomplishment per Strategy: Clean Air	17
<i>Strategy 1: Strengthening the Country's National Motor Vehicle Inspection and Maintenance Program</i>	
<i>Strategy 2: Strengthening Local Governance Capacity of LGUs for Clean Air Reforms</i>	
<i>Strategy 3: Enabling the Public Utility Transport Sector to Comply with Motor Vehicle Emission Standards of the Clean Air Act (CAA)</i>	
<i>Strategy 4: Sustaining Constituency Support for Clean Air Reforms</i>	
IV. Lessons Learned and Moving Forward	23
V. Financial Report	26
VI. Attachments	27
Snapshot of Energy & Clean Air Accomplishments vis-à-vis Expected Results	
Progress on Expected Results	
Detailed Description of FY 2009 Activities	
2009 Project Implementation Review: Challenges & Recommendations	



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LIST OF ACRONYMS

AdDU	Ateneo de Davao University
ADB-CAI	Asian Development Bank – Clean Air Initiative
AED	Academy for Educational Development
AMMA	Association of Metro Manila Anti-smoke Belching Units
AMORE	Alliance for Off-Grid Renewable Energy
ANEC	Affiliated Non-conventional Energy Center
ASB	Anti-Smoke Belching
ASBU	Anti-Smoke Belching Unit
ASEAN	Association of Southeast Asian Nations
ASG	Ateneo School of Government
BKTF	Baguio Bantay Kalinisan Task Force
BRT	Bus Rapid Transit
CAA	Clean Air Act
CAAP	Clean Air Action Plan
CAEA	Center for Environmental Awareness and Education
CAPEX	Capital Expenditure
CAYA	Clean Air Youth Alliance
CBRED	Capacity Building to Remove Barriers to Renewable Energy Development
CENRO	City Environment and Natural Resources Office
CEPALCO	Cagayan Electric Light and Power Company
CFC	Couples for Christ
CITOM	Cebu City Traffic Operations Management
CITRASCO	Cebu City Transport Services Cooperative
CLEP	Continuing Local Legislative Education Program
COA	Commission on Audit
C&O	Communication and Outreach
CRAVE	Champions for Reduction of Air Pollution from Vehicle Emissions
CREED	Coalition of Renewable Energy for Economic Development
CRV	Customized Road Vehicle
CSB	College of St. Benilde
CSR	Corporate Social Responsibility
CWD	Consumer Welfare Desk
CWDP	Consumer Welfare Development Program
DENR	Department of Environment and Natural Resources
DILG	Department of Interior and Local Government
DLSU	De La Salle University
DOE	Department of Energy
DOJ	Department of Justice
DOST	Department of Science and Technology
DOTC	Department of Transportation and Communications
DPRDDI	Davao Province Rural Development Institute
DPWH	Department of Public Works and Highways
DTI	Department of Trade and Industry
DUs	Distribution Utilities
DWRG	Distribution Wheeling Rates Guidelines
ECADEME-BB	Energy and Clean Air Network of Academic Institutions- Baguio and Benguet
ECAP	Energy and Clean Air Project
EE/C	Energy Efficiency and Conservation



EETP	Energy Environment Training Program
EMB	Environmental Management Bureau
EPIMB	Electric Power Industry Management Bureau
EPIRA	Electric Power Industry Reform Act
EPPB	Energy Planning and Policy Bureau
ER 1-94	Energy Regulation 1-94
ER	Expected Result
ERC	Energy Regulatory Commission
ERDB	Energy Resource Development Bureau
ERDA	Educational Research and Development Assistance Tech Foundation, Inc.
ERTLS	Energy Research and Testing Laboratory Services
FEJODAP	Federation of Jeepney Operators and Drivers Associations of the Philippines
FEU	Far Eastern University
FGD	Focus Group Discussion
GRP	Government of the Republic of the Philippines
HLCP	High-level Consultative Panel
IBP	Integrated Bar of the Philippines
ICB	Institutional Capacity Building
IIEE	Institute of Integrated Electrical Engineers
IPFI	Infinite Progressions Foundation, Inc.
IPO	Investment Promotions Office
IPP	Independent Power Producers
JICA	Japan International Cooperation Agency
LCF	League of Corporate Foundations
LCP	League of Cities of the Philippines
LCP	Lung Center of the Philippines
LFA	Logical Framework Approach
LGC	Local Government Code
LGU	Local Government Unit
LTFRB	Land Transportation Franchising and Regulatory Board
LTO	Land Transportation Office
LVGP	League of Vice-Governors of the Philippines
MERALCO	Manila Electric Company
MMDA	Metro Manila Development Authority
MMASBA	Metro Manila Anti-Smoke Belching Association
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
MVIS	Motor Vehicle Inspection System
NASA	National Aeronautics and Space Administration
NAECTAF	National Anti- Environmental Crime Task Force
NCR	National Capital Region
NCTS	National Center for Transport Studies
NEA	National Electrification Administration
NEDA	National Economic and Development Authority
NEECP	National Energy Efficiency and Conservation Program
NEMS	National Electricity Market of Singapore
NGO	Natural Gas Office
NGO	Non-Governmental Organizations
NPC	National Power Corporation
OD	Organizational Development
OEE	Office of Energy and Environment (of USAID)
OFWs	Overseas Filipino Workers



OIMB	Oil Industry Management Bureau
PAO	Project Area Office
PAPPI	Philippine Association of Pediatric Pulmunologists, Inc.
PATLEPAM	Philippine Association of Tertiary Level Educational Institutions in Environmental Protection and Management
PBR	Performance-based Ratemaking
PEP	Philippine Energy Plan
PES	Philippine Economic Society
PCCI	Philippine Chamber of Commerce and Industry
PCCMP	Philippine Climate Change Mitigation Program
PCL	Philippine Councilors League
PDI	Policy Development and Implementation
PELMATP	Philippine Efficient Lighting Market Transformation Project
PEMC	Philippine Electricity Market Corporation
PEP	Philippine Energy Plan
PETC	Private Emission Testing Center
PHA	Philippine Heart Association
PHC	Philippine Heart Center
PHILRECA	Philippine Rural Electric Cooperatives Association
PICHE	Private – Philippine Institute of Chemical Engineers
PM	Preventive Maintenance
PNP	Philippine National Police
PT	Power Tracker
PUV	Public Utility Vehicle
RE	Renewable Energy
REAMD	Rural Electrification Administration and Management Division
RTD	Roundtable Discussion
SD	Service Director
SEDP	Sustainable Energy Development Program
SO4	Strategic Objective No. 4
SWOT	Strengths, Weaknesses, Opportunities, and Threats
TA	Technical Assistance
TESDA	Technical Education and Skills Development Authority
TOR	Terms of Reference
TOU	Time-of-Use
Transco	National Transmission Corporation
TWG	Technical Working Group
UAP	University of Asia and the Pacific
UC	University of the Cordilleras
UNDP	United Nations Development Programme
UP	University of the Philippines
UPNEC	UP National Engineering Center
USAEP	United States-Asia Environmental Partnership
USAID	United States Agency for International Development
USC	University of San Carlos
VUDTRASCO	Visayas United Drivers and Transport Services Cooperative
WESM	Wholesale Electricity Spot Market
WWF	World Wildlife Fund
YFC	Youth for Christ



EXECUTIVE SUMMARY

The Energy & Clean Air Project (ECAP) was originally a 4-year (October 2004 – September 2008) project of the US Agency for International Development (USAID) that provided continuing support to government agencies in the energy and clean air (transport) sectors through various forms of technical assistance (TA) to the key and primary stakeholders of the two sectors. After four years of significant contributions to the reform initiatives in the two sectors, the USAID granted the Project three no-cost extensions; a) Oct 2008-Sep 2009, b) October 2009 to November 2009, and c) December 2009.

The Project performed three (3) tasks: (a) Strengthening Sector Governance, (b) Improving Policy Frameworks, and (c) Increasing Public Understanding and Support. ECAP performed these tasks through the strategic implementation of 3 types of TA activities namely a) policy development and implementation, b) institutional capacity building, and c) communication and outreach.

This report covers ECAP's accomplishments during the 15-month extension period from October 2008 up to December 31, 2009, the strategies, the challenges encountered in developing and implementing project activities, the lessons the Project Management Team has learned in managing the project, and the insights for moving the reform initiatives forward beyond ECAP.

First Quarter

The first quarter of FY 2009 was spent in preparatory activities that led to succeeding periods of milestone activities and ground breaking initiatives over the next three quarters in both the energy and clean air sectors. These include the following: 1) Development of the Implementing Rules and Regulations of the Renewable Energy Act of 2008, 2) Conduct of the DOE Strategic Planning Workshop, 3) Solar Power Demo Project in Baguio City, 4) Full implementation of the Baguio City Anti-Smoke Belching Ordinance, and 5) Sustained CAYA initiatives in the Regions.

Second Quarter

The 2nd Quarter served as a transition period from final delivery and implementation of planned activities for 2009 to the implementation of plans of our counterparts and partners to sustain the reform initiatives for the energy and clean air sectors. It focused on increasing stakeholders' ownership of and participation in the ECAP activities. TAs to the energy sector in the 2nd quarter contributed to strengthening the energy sector competencies. ECAP assisted the Strategic Planning Workshop of DOE and conducted the series of RTDs for the adoption of Energy Sector Governance Toolkit by DOE and ERC.

Clean air initiatives in the 2nd quarter were focused on putting in place the sustainability mechanism for on-going advocacies and existing programs. ECAP provided technical assistance to LGUs in convening the Air Shed Governing Board and assisted some LGUs in drafting their Air Quality Management Program. ECAP also continued its support to the development of the NMVIS by extending TA to the DOTC.

Third Quarter

The accomplishments of ECAP in the third quarter of FY 2009 contributed to creating and strengthening mechanisms to ensure sustainability of programs and partnerships created by the project. ECAP and its partners worked together to put in place processes that increased the ownership of energy and clean air partners in Manila, Davao, Cebu, and Baguio on activities initiated by the Project. Collectively, the 2nd and 3rd quarters served as transition periods for ECAP to maintain the momentum created by reforms, advocacy, and public-private collaborations in the energy and clean air sectors. The third quarter especially prepared ECAP partners for the turnover of responsibility signaling increased ownership of initiatives for sustained pursuance of reforms in the energy and clean air sectors.

Fourth Quarter

The fourth quarter of ECAP is a period of implementing culminating activities such as: 1) Launching of the Solar Power Demo Project in Baguio City, 2) Continuing support to the write shops and public consultations leading to the signing of the IRR of RA 9513 (Renewable Energy Act of 2008), 3) Facilitation of the development of a partnership Energy Efficiency/Conservation On-Air Campaign, 4) Public presentations of the DOE Power Summit Policy Papers, 5) Turnover of the EGI Toolkits to ERC and DOE, 6) Launching and MOU signing of the DOE-AIM Strategic Partnership, 7) Pursuing the promotion of clean transport technology through Bus Rapid Transit in Davao and Cebu, 8) Continued monitoring of MVs compliance through emission testing advocacy initiatives of partner LGUs, 9) Enhance partnership with LGUs for ECA initiatives, and 10) Official opening of Clean Air 10 Celebration commemorating the 10th year anniversary of the passage of the Clean Air Act.

The 4th quarter of FY 2009 saw the adoption of a number of initiatives to prepare ECAP partners to assume full ownership of these projects. It marked a steady continuation of support by ECAP to partner government agencies both at the national and local levels.

The addition of certain activities that built on accomplishments in the fourth quarter overflowed into the two extension periods (October to November and December 2009) and was a response to opportune developments in the energy and clean air sector. Since ECAP has sufficiently carried out the strategies outlined for energy and clean air advocacy, the project saw a fitting opportunity to seize the opportunities presented by the passing of the RE Law in December 2008 and the commemoration of the 10th year anniversary of the Clean Air Act.

Highlights

Accomplishment Highlights: This section highlights the following accomplishments in the performance of the three major tasks in the energy and environment sectors over the last five quarters of ECAP from October 2008 – December 2009.

Strengthening Sector Governance. ECAP expanded its reach to the key and primary stakeholders of the energy and transport sectors and scaled-up the levels of stakeholder participation in policy development and policy implementation, monitoring & evaluation activities to instill and promote coordination and



collaboration between and among the government agencies and the private sector in responding to the need for policy reforms in the two sectors.

Improving Policy Frameworks. ECAP scaled-up the scientific and technical content of reform initiatives and at the same time continued to improve the application and adoption of methodologies for policy development thru expanded use of scientists and engineers in the series of FGDs, RTDs, Policy Write-shops, and National Conferences.

Increasing Public Understanding and Support. ECAP provided the stakeholders thru the conduct of FGDs, RTD,s Workshops and Special Events the opportunities to increase their understanding of sector issues and of reform initiatives, to actively participate in and to contribute individually and collectively to policy development and policy implementation in the energy and transport sectors. Increasing their sense of being part of the solution increased their ownership and support for the reform initiatives in the energy and transport sectors.

Project Expected Results and Strategies: In its fifth and final year, ECAP has accomplished all of its activities in the energy and transport sectors that were designed to contribute directly or indirectly to the USAID’s expected results as indicated in the approved ECAP work plan.

Expected Results

By the end of the project’s life in December 2009, ECAP’s TA is designed to contribute to the attainment of the following USAID expected results (ERs):

Energy Component	#	Clean Air Component
Strategic plans developed and implemented to strengthen institutional and staff competency of DOE, ERC and other agencies involved in the energy sector to formulate and implement various energy reforms.	1	No. of diesel-powered vehicles compliant with emission standards prior to registration increased by 80% in four (4) project sites;
Key energy policies formulated to promote privatization of transmission and generation assets; to increase use of natural gas, renewable energy and geothermal in augmenting power supply; and to correct deficiencies in the implementing rules and regulations of the EPIRA.	2	Level of fine Particulate Matter (PM ₁₀) contribution from mobile sources reduced to 27,300 metric tons from 39,000, a 30% reduction to mitigate health and productivity related problems.
Supply of indigenous cleaner sources (natural gas, geothermal and other renewable sources) increased by at least 15% for power generation to improve self sufficiency.	3	Cleaner vehicle fuels such as compressed natural gas, coco-methyl ester (CME) and Liquefied Petroleum Gas (LPG) used by national government agencies and 50 top corporation fleets and at least 50% of public vehicles in project sites to reduce harmful emissions.
At least one (1) coalition with academic, research, and NGOs established in Luzon, Visayas, and Mindanao.	4	At least one (1) coalition with academic, research, and NGOs established in Luzon, Visayas, and Mindanao.

Work Plan Strategies

To achieve the Project's expected results; ECAP has developed a set of strategies and has implemented these in its USAID-approved Work Plans for the extensions in 2009. ECAP designed these strategies as a framework for developing and implementing activities that contribute directly or indirectly to specific ERs. The correspondence between the strategy and the ERs that will be met is shown below.

#	WORK PLAN STRATEGIES	CORRESPONDING EXPECTED RESULTS (ER)
Energy Component		
1	Strengthening Energy Sector Competency	ER 1 - 3
2	Promoting Transparency and Participation in Energy Policy-Making	ER 2- 3
3	Promoting Development and Efficient Utilization of Indigenous Energy	ER 3
4	Sustaining Initiatives of Constituency for Energy Reforms	ER 4
Clean Air Component		
1	Strengthening the Country's National Motor Vehicle Inspection and Maintenance Program	ER 1- 3
2	Strengthening Local Governance Capacity for Clean Air Reforms	ER 1- 3
3	Enabling Public Utility Transport Sector to Comply with CAA Emission Standards	ER 1- 3
4	Sustaining Constituency Support for Clean Air Reforms	ER 1- 4

Challenges and Lessons Learned: The development and the delivery of TA activities are always faced with challenges in terms of; a) barriers to the initiatives being promoted and to the investments being encouraged, b) barriers to technology transfer and adaptation – appropriate technology may not be available or may not be readily accessible or affordable, and the available technology may not be acceptable, and c) barriers to the development of organizational and institutional competencies to increase the capacity to absorb and to increase the skills to apply technologies that will facilitate policy reform initiatives.

In the process of implementing project activities, ECAP always responded positively to opportunities that offered lessons in development work. The following are five (5) lessons that we have learned which we believe are useful in moving forward the reforms in the energy and environment sectors:

1. Encourage out-of-the-box thinking to remove and/or to overcome barriers to reform initiatives and to breakthrough bottlenecks in policy development and implementation.

USAID-ECAP has worked with local and national partners for more than a half a decade. In several occasions, progress and development in policy planning and implementation have been hampered by bureaucratic procedures and protocols that kept new ideas and innovative solutions from being explored and considered.

For reforms to move forward significantly, out-of-the ordinary ideas and innovative solutions should be heard and explored. Exploration, development, and implementation of alternative policy instruments within the existing policy framework as means to address implementation bottlenecks should be facilitated. This is particularly true in the areas of planning and execution in the power, biofuels, and renewable energy sectors.

2. Support the expanded and increased participation of academic institutions and NGOs in public consultations for policy development and implementation.

The holding of public consultations is a standard and regular procedure that is followed by government agencies in developing, formulating and promulgating policies. However, traditional practices in implementing these standardized procedures encourage particular practices to become a fixed set of ways rather than a set of responsive and creative practices that continuously lead to higher levels of performance and participation of stakeholders.

Public Consultations can be improved by jointly undertaking them with the academia, in terms of a) bringing together a more diverse and complete set of stakeholders, b) more open discussions with participants, c) a more structured process of reaching agreements and d) more complete documentation of proceedings. Academic institutions/facilities are ideal as venues for public consultations – faculty and students can serve as effective facilitators and documenters respectively.

Using the Technology of Participation (ToP) in public consultations has been observed to strengthen the process for gathering issues and recommendations from stakeholders. This is particularly true if the list of stakeholders is expanded to include non-traditional sources. Not only does ToP present equal opportunity for all participants to be heard, but more importantly it empowers the participants to share their ideas freely and own the outputs of their discussion and recommendations.

3. Pave the way for LGUs to play an even stronger role in Clean Air Act (CAA) implementation.

While devolution of national government functions has long been in place, capacity building at the LGU level remains necessary and urgent particularly for implementing technical areas mandated by the CAA. With their powers to issue and enforce ordinances, LGUs have a crucial role in improving air quality.

The holding of two national conferences on Clean Air focusing on the role and responsibilities of LGUs has brought to light this palpable observation. Supporters of reforms in the clean air sector should see to it that the conferences are followed by activities that would give leverage to the right and responsibility of local governments in the country to plot their own local agenda for air quality management.

4. Help Institutionalize in Government Agencies the Practice of Documentation of Proceedings of National Conferences and Strategic Meetings and Forums.

Conferences and workshops are venues to thresh-out issues, draw fresh insights from the participants and reach and find solutions to shared and common problems that are acceptable to everyone. However, experience from the activities organized by the Project this year has revealed the low appreciation by government agencies of event documentation. ECAP-affiliated academic partners regularly performed the traditional role as event organizers/documenters for events ECAP helped organized. .

For partners to fully benefit from the exchanges during workshops and conferences, future projects must guide and if needed, capacitate government agencies towards making event documentation a fundamental requisite of event management. The process of documenting the proceedings in meetings, FGDs, RTDs, workshops, and conferences increase the awareness of the documenters on the issues, different/opposing views and alternative solutions. Another benefit is increased coordination with the stakeholders.

This practice should lead the agencies towards processing the information contained in the documentation for developing follow-on activities that are needed in sustaining the reform initiatives.

5. Pursue Constituency Building to Support Policy-making and Implementation.

Constituency Building serves as an effective tool for integrating and unifying the efforts of various cause-oriented groups and organizations, many of which are dispersed, fragmented and their potential remaining untapped. If their efforts successfully converge, these can significantly support government's initiatives to set and implement policies. For this year, ECAP continued to demonstrate the



importance of efforts in coalition and network building. Once coalitions are established and partnerships are created, doing advocacy, policy, and research work becomes a much easier – and more community-based - undertaking.

USAID-ECAP used the extension periods for completing ongoing activities, implementing planned ones, and more importantly, delivering additional results to its contracted expected results. The Project's primary concern in its last year was to ensure the sustainability of the TA it has extended to its partners in the past. Ensuring sustainability was pursued using the following specific approaches: (1) Maximizing opportunities for leveraging and counterparting, (b) Focusing on processes in addition to outputs, (c) Creating and strengthening Government-Academia Partnerships, and (d) Forging public-private partnerships.

With these tools, ECAP successfully continued to build the sustainability factor into the design and development of its TA activities for the reform initiatives in the energy and clean air sectors. This factor guaranteed that the government agencies and its constituents, especially the academia and peoples' organizations, would have built the necessary frameworks, infrastructure, and have developed the operating system and mechanisms to for sustained introduction and implementation of policy reforms in their respective sector.

Moving Forward

Whilst the ECAP has closed, the stakeholders in the energy and transport sectors expect ECAP's counterparts in the government and its partner institutions in the private sector to continue to develop and implement, monitor, and evaluate the results of the reform initiatives in these two sectors.

Our counterparts and partners continue to make use of the technologies for strengthening good governance, for improving policy frameworks, and for increasing public understanding and support to reform initiatives that the USAID has transferred to the two sectors thru ECAP. They also continue to build on the reform initiatives and accomplishments with their own respective follow-on activities for plans and programs that they have undertaken jointly with ECAP over the last five years.

The two sectors continue to face challenges to reform initiatives as new global, regional, and national economic, energy, environment, and socio-political developments and opportunities emerge. Development work, in terms of strengthening policy frameworks, building institutional capability, and increasing public awareness and support must continue and will increasingly demand innovative and creative approaches.

The stakeholders from both sectors can respond to these demands by working together in implementing policies, plans and programs and in monitoring & evaluating the outputs and results. This will complete the cycle of policy development and policy implementation work.

Scaling-up of the reform efforts and of the scientific and technical content of information, education, and communication campaigns coupled with the continuous expansion of the stakeholder base supporting reform initiatives will help sustain and extend reform initiatives over and beyond project lifetimes



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I. OVERVIEW

About ECAP

The Energy & Clean Air Project (ECAP) was originally a four-year (October 2004 – September 2008) technical assistance (TA) project of the US Agency for International Development (USAID). It was granted three no-cost extensions; a) October 2008 to September 2009, b) October 2009 – November 2009, and c) December 2009.

Its main government counterparts are the Philippine Department of Energy (DOE) and the Department of Environment and Natural Resources (DENR). PA Consulting Group is the primary contractor of USAID Manila's Office of Energy and Environment (OEE). USAID's other key government partners in the ECAP are the Energy Regulatory Commission (ERC), Department of Transportation and Communication (DOTC), and the Department of Trade and Industry (DTI).

ECAP is USAID's response to the Philippines' need for sustainable energy development and improved environmental performance. The project designs, implements, and monitors TA activities with USAID's Strategic Objective No. 4 (SO4), *Management of Productive, Life-Sustaining Natural Resources Strengthened*, as the overall guiding framework. It seeks to address challenges facing two (2) parallel and complementary components: energy and clean air.

For both components, the ECAP pursues a comprehensive approach to achieve the following tasks:

- ❖ **Strengthen Sector Governance.** ECAP promotes good governance in the energy and transport sectors. It shall endeavor to instill good governance practices in transparency, accountability, and participation among government agencies and their constituents so they can become more responsive, collaborative, responsible, and efficient in providing for the social and environmental needs of the country





- ❖ **Improve Policy Frameworks.** ECAP assists its GRP partners in ensuring that the energy and transport sectors are guided by policy frameworks that are sound, effective, and focused on achieving results that redound to public welfare.
- ❖ **Increase Public Understanding and Support.** ECAP promotes and facilitates coalition-building and formation of public-private partnerships to increase the involvement of multi-stakeholders in implementing sector reforms. By providing private partners with venues and opportunities to actively participate and bring in their own expertise in the energy and transport sectors, ECAP encourages and strengthens ownership of both the reform processes and their results among the stakeholders.

Expected Results

The aforementioned tasks are being implemented through strategic combinations of three (3) types of TA activities: (a) policy development and implementation, (b) institutional capacity building, and (c) communication and outreach.

By the end of the project's life in December 2009, ECAP's TA is designed to contribute to the attainment of the following USAID expected results (ERs):

Energy Component	#	Clean Air Component
Strategic plans developed and implemented to strengthen institutional and staff competency of DOE, ERC and other agencies involved in the energy sector to formulate and implement various energy reforms.	1	No. of diesel-powered vehicles compliant with emission standards prior to registration increased by 80% in four (4) project sites;
Key energy policies formulated to promote privatization of transmission and generation assets; to increase use of natural gas, renewable energy and geothermal in augmenting power supply; and to correct deficiencies in the implementing rules and regulations of the EPIRA.	2	Level of fine Particulate Matter (PM ₁₀) contribution from mobile sources reduced to 27,300 metric tons from 39,000, a 30% reduction to mitigate health and productivity related problems.
Supply of indigenous cleaner sources (natural gas, geothermal and other renewable sources) increased by at least 15% for power generation to improve self sufficiency.	3	Cleaner vehicle fuels such as compressed natural gas, coco-methyl ester (CME) and Liquefied Petroleum Gas (LPG) used by national government agencies and 50 top corporation fleets and at least 50% of public vehicles in project sites to reduce harmful emissions.
At least one (1) coalition with academic, research, and NGOs established in Luzon, Visayas, and Mindanao.	4	At least one (1) coalition with academic, research, and NGOs established in Luzon, Visayas, and Mindanao.

Work Plan Strategies

To achieve the Project's expected results; ECAP has developed a set of strategies and is implementing these in its USAID-approved Revised Work Plan of 2008. ECAP designed these strategies as a framework for developing and implementing activities that contribute directly or indirectly to specific ERs. The correspondence between the strategy and the ERs that will be met is shown below.

#	WORK PLAN STRATEGIES	CORRESPONDING EXPECTED RESULTS (ER)
Energy Component		
1	Strengthening Energy Sector Competency	ER 1 - 3
2	Promoting Transparency and Participation in Energy Policy-Making	ER 2- 3
3	Promoting Development and Efficient Utilization of Indigenous Energy	ER 3
4	Sustaining Initiatives of Constituency for Energy Reforms	ER 4
Clean Air Component		
1	Strengthening the Country's National Motor Vehicle Inspection and Maintenance Program	ER 1- 3
2	Strengthening Local Governance Capacity for Clean Air Reforms	ER 1- 3
3	Enabling Public Utility Transport Sector to Comply with CAA Emission Standards	ER 1- 3
4	Sustaining Constituency Support for Clean Air Reforms	ER 1- 4

Performance Indicators

The succeeding tables present summaries of both the E & CA performance indicators and targets.

Table: Summary of ECA Performance Indicators - ENERGY COMPONENT

Expected Results	Primary Indicators	Secondary/Sustainability Indicators
1. Strategic plans of energy agencies developed and implemented & an institutional development index developed to track progress;	<ol style="list-style-type: none"> 1. Number of strategic and other plans developed by partner government units, industry representatives, people's organizations, and academia 2. Number of strategic and other plans implemented by partner government units, industry representatives, people's organizations, and academia 	<ol style="list-style-type: none"> 1. Number of competency areas strengthened 2. Number of capacity building initiatives conducted 3. Number of energy agencies/units and/or stakeholders whose institutional & staff competency for formulating reforms strengthened
2. Key energy policies formulated to promote privatization of generation and transmission assets;	Progress of policy/legislative instrument targeted: <ol style="list-style-type: none"> a. Stage 1 – Policy Preparation b. Stage 2 – Consensus Building & Public Consultation c. Stage 3 – Policy Adoption 	<ol style="list-style-type: none"> 1. No. of energy agencies and/or organizations/units assisted 2. No. of capacity building initiatives conducted 3. No. of public consultations conducted
3. Access to indigenous energy resources increased by at least 15% from 2003 levels; and	<ol style="list-style-type: none"> 1. Percentage share of indigenous cleaner energy sources in power generation (downstream) 2. Increased exploration and development of indigenous cleaner energy sources through the Philippine Energy Contracting Round (PECR)^b <ol style="list-style-type: none"> a. Stage 1 – DOE Offer b. Stage 2 – Expressions of Interest c. Stage 3 – Bids/proposal submissions d. Stage 4 – Awarding of Service Contracts (SC) 	<ol style="list-style-type: none"> 1. Number of investment promotion activities conducted 2. Number of collateral materials developed and produced 3. Number of technical studies/assessment activities conducted 4. Number of capacity-building activities conducted
4. At least one (1) coalition with academic, research, and NGOs established in Luzon, Visayas, and Mindanao.	<ol style="list-style-type: none"> 1. Number of existing coalitions strengthened through IEC and outreach assistance 2. Number of coalitions established as a result of stakeholder consultations and IEC activities 	<ol style="list-style-type: none"> 1. No. of IEC and outreach activities jointly conducted with partners that can eventually lead to the creation of coalitions 2. No. of coalition-initiated IEC and outreach activities supported



Table: Summary of ECA Performance Indicators - CLEAN AIR COMPONENT

Expected Results	Performance Indicators	Sustainability Indicators
<p>1. No. of diesel-powered vehicles compliant with emission standards prior to registration increased by 80% in four (4) project sites</p> <p>2. Level of fine particulate matter (PM₁₀) contribution from mobile sources reduced by to 27,300 metric tons from 39,000 metric tons, a 30% reduction, to mitigate health and productivity-related problems.</p> <p>3. Cleaner vehicle fuels such as CNG, coco-bio-diesel, and LPG used by national government agencies, 50 top corporation fleets, and at least 50% of public vehicles in project sites to reduce harmful emissions.</p>	<p>Percentage (%) of diesel-powered motor vehicles compliant with emissions standards during roadside/terminal inspection improved by 80% in 2009 in four (4) project sites</p> <ul style="list-style-type: none"> • Level of total suspended particulate matter (TSP) in micrograms per standard cubic meter (ug/Ncm) reduced in order to gradually meet the national 1-year guideline value of 90 ug/Ncm in all target sites. <p><u>Or, where available:</u></p> <ul style="list-style-type: none"> • Level of particulate matter (PM₁₀) in microns, reduced in all target sites in order to meet the national standards of 150 microns (24-hr) and 60 microns (annual). <p>Enabling policies and standards developed and implemented to promote cleaner vehicle fuels.</p>	<p>1) Percentage (%) of diesel-powered motor vehicles flagged down for smoke belching, that are actually apprehended for failing the emission standards.</p> <p>2) Level of Anti-Smoke Belching (ASB) Enforcement Efforts</p> <ul style="list-style-type: none"> (a) Level of ASB Operations (b) No. of operational ASBUs (c) No. of operational ASBU equipment (d) Revenue collection from ASB efforts <p>3) Cities assisted on the development of Anti-Smoke belching Ordinances</p> <p>4) National agencies, LGUs, and NGOs provided with ASB tools, safety gears, & uniforms; assisted in the repair/rehab of their defective/damaged ASB equipment; and provided with brand new opacimeters & training</p> <p>5) Seminars/trainings on preventive maintenance for MVs & number of trainees</p> <p>6) Enabling policies and plans developed and implemented in support of MV emission standards enforcement:</p> <ul style="list-style-type: none"> (a) No. of ASB ordinances (b) No. of national policies, plans & programs <p>Enabling policies and standards developed and implemented to promote cleaner vehicle fuels</p>

Table: Summary of E & CA Annual Targets - ENERGY COMPONENT

Performance Indicator	Base 2004	2005	2006	2007	2008	2009 Total
1. Number of strategic and other plans developed by partner government units, industry representatives, people's organizations, and academia	1 DOE SP 0 ERC SP	5	7	0	1	1
2. Number of strategic and other plans implemented by partner government units, industry representatives, people's organizations, and academia		0	4	7	2	1
3. Progress of policy/legislative instrument assisted:	a. Stage 1 – Policy Preparation (1) b. Stage 2 – Consensus Building & Public Consultation (2) c. Stage 3 – Policy Adoption (3)					
a. Renewable Energy (RE)	1	1	2	3	2	3
b. Natural Gas (Nat Gas)	1	1	2	1	1	1
c. Electric Power Industry Reform Act (EPIRA)	1	1	2	1	1	1
d. Bio-fuels	0	0	0	2	3	0
4. Percentage (%) share of indigenous cleaner energy sources in power generation (downstream)	55.9		62.2 (LOP Target)		70.9	
5. Increased exploration and development of indigenous cleaner energy sources through the Philippine Energy Contracting Round (PECR)	a. Stage 1 – DOE Offer (1) b. Stage 2 – Expressions of Interest (EOIs) (2) c. Stage 3 – Bids/proposal submissions (3) d. Stage 4 – Awarding of Service Contracts (SC) (4)					
a. Oil & Gas	4	1	2	2	1	1
b. Geothermal	0	1	2	2	1	1
6. Number of existing coalitions strengthened through IEC and outreach assistance	0	1	1	1	1	1
7. Number of coalitions established as a result of stakeholder consultations and IEC activities	0	1	1	1	1	1

Table: Summary of E & CA Annual Targets - CLEAN AIR COMPONENT

1. Percentage (%) of diesel-powered motor vehicles compliant with emissions standards during roadside inspection improved by 80% in 2009 in four (4) project sites.							
Project Site	Base 2004	2005	2006	2007	2008	2009	Total or End-of - Project
▪ Metro Manila *	30	30	40	45	50	54	54
▪ Baguio	na.	30	40	45	50	54	54
▪ Cebu	na.	30	40	45	50	54	54
▪ Davao	na.	30	40	45	50	54	54
* Metro Manila's 2004 data is used as basis for target setting in all cities, due to absence of baseline figure in Baguio, Cebu, and Davao.							
2. Level of total suspended particulate matter (TSP) in micrograms per standard cubic meter ($\mu\text{g}/\text{Ncm}$) reduced in order to gradually meet the national 1-year guideline value of 90 $\mu\text{g}/\text{Ncm}$ in all target sites.							
Project Site	Base 2004	2005	2006	2007	2008	2009	Total or End-of - Project
▪ Metro Manila *	157-236	150-230	140-220	130-210	120-200	110-190	110-190
▪ Baguio	204	190	180	170	160	150	150
▪ Cebu	185	150	120	90	90	90	90
▪ Davao	117	100	90	90	90	90	90
* Metro Manila data is a min-max range for all AQM stations of the DENR.							
3. Enabling policies & standards developed & implemented to promote cleaner vehicle fuels.							
Policy Area Assisted	Base 2004	2005	2006	2007	2008	2009	
A. CNG	2004 - Nat Gas Bill, under review by Congress. - DOE Circular on IRRs for Nat Gas Distribution & Utilization – Funded under USAID-EETP (2002-2004) 2009 - Nat Gas Law enacted by Congress						
B. Auto-LPG	2004 - No integrated/consolidated government regulations & standards. - Auto-LPG taxis were largely concentrated in Cebu, largely a private sector initiative. No targets were set - This was not originally specified in ECAP's LOP work plan						
Bio-fuel	2004 - No national policy on bio-fuels - Presidential MC 55 mandating bio-diesel use by all Govt agencies 2005-2007 - Initially no targets were set - ECAP's role was to support IEC efforts of the USDOE's SEDP/Clean Cities Project. 2008 - Passage of the Bio-fuels Law IRRs & Adoption of National Bio-fuels Program						

II. ACCOMPLISHMENT HIGHLIGHTS OF THE YEAR



DOE Secretary Angelo Reyes signing the RE Law IRR in May 2009



USAID Representative Ms. Lily Gutierrez turns over the Electricity Governance Toolkit to DOE Usec. Ramon Santos



A CAYA Member face-paints one of the kids during the 2009 Earth Day Celebration at the SM Mall of Asia and making use of existing collaboration with NGOs and experts in the academe working for the clean and renewable energy industry. This led to a more participatory and balanced consultation for the updating of DOE Strategic Plan and the next Philippine Energy Plan (PEP).

ECAP's final year is defined by the Project's sustained momentum in institutionalizing the partnerships created as well as overcoming the development and implementation challenges encountered by the Project Management Team and its Counterparts in the government and private sectors.

In both the energy and transport sectors, significant progress were made as a result of the Project's efforts to (a) ensure that continuous follow-through activities were done to support project-assisted initiatives and accomplishments of its partners, and (b) respond to the dynamic developments in energy and environmental sectors, both at the national and local levels.

The two most important achievements highlighting the year 2009 for Energy and Clean Air Project are: (1) Passage of the Renewable Energy Law and (2) the drafting and adoption of the Clean Air 10 Declaration and Action-Plans. Activities and technical assistance organized and provided for by the Project to complete these feats define the annual accomplishment report for 2009.

❖ Passage of Philippine Renewable Energy Law and Adoption of its Implementing Rules and Regulations (IRR)

The signing of the Renewable Energy Act is a landmark achievement for all stakeholders in the energy sector. The Project played a strategic role in the drafting of the law and more importantly, extended technical and organizational assistance to the Department of Energy as they conduct the nation-wide consultation with various energy stakeholders for the writing and approval of the Implementing Rules and Regulations.

❖ Increased Stakeholder Participation in Policy Making and Strategic Planning

The year 2009 also produced an even stronger working relationship between DOE and ECAP. The closing-out year of ECAP saw the firming up of the participatory processes initiated by DOE with ECAP support as they update their plans and policies. By introducing the Technology of Participation (ToP), ECAP was able to give DOE not only a systematic tool for receiving stakeholder feedback but also a strategic procedure for expanding participation. This led to a more participatory and balanced consultation for the updating of DOE Strategic Plan and the next Philippine Energy Plan (PEP).

❖ **Maximized Opportunities to Strengthen Government-Private-NGO Coalitions**

By jointly organizing activities, the Project strengthened its relationship with NGO and academic partners like the Clean Air Youth Alliance (CAYA), League of Cities of the Philippines (LCP), Renewable Energy (RE) Coalition, Asian Institute of Management (AIM) Policy Center, and the Partnership for Clean Air (PCA).



For CAYA, the Project provided organizational and logistical support as the young leaders look ahead and plan beyond the ECAP. The partnership with the League of Cities meanwhile was consummated when the League, together with other signatories from the academe and the private sector, became a partner of the Baguio City Government in implementing the solar energy demonstration project in the city.

The Project also teamed up with a long-time ally in the clean air sector as ECAP and PCA joined hands in assisting the DENR and DOTC organize two nation-wide activities to commemorate the 10th year anniversary of the Clean Air Act. By planning and holding these activities together with partners, the Project has maximized opportunities for government agencies to strengthen their collaboration with non-governmental organizations.

In June of 2009, USAID-ECAP helped cement the sustainability of organizational and strategic reforms being undertaken by the DOE with the signing of the Memorandum of Agreement between the agency and the Asian Institute of Management. The MOA, among other things led to the creation of the DOE-AIM Program Planning and Implementation Team (PPIT) that would plan and strategize on the implementation of joint projects.

❖ **Increased the Capacity for Governance and Regulation of Government Partners in the Energy Sector**

During the early years of the Project, ECAP actively engaged ERC in organizing activities and building its capacity to develop and implement its strategic plan. The TA to the ERC in the past five years included the design, development and conduct of the strategic planning workshops as well as individual and team coaching and mentoring sessions. For the terminal year, the Project worked with the Commission in rolling out its IEC plan in preparation for Open Access in 2010 and improving its regulatory capacity by designing a program for fostering stronger partnership with the media and local distribution utilities.

ECAP also worked with the ERC and DOE in establishing an energy governance framework that is more responsive to the market. The Project assisted the two agencies in developing the Electricity Governance Toolkit. The Project also lent support to holding of the first-ever energy users-producers forum that would ultimately meet the goal of publishing the first Philippine Energy Statistical Handbook.

❖ **Sustained Partnerships at the Local Level**

From the onset, the Project has always maintained that the best way to sustain programs and initiatives is by involving local communities and stakeholders. USAID-ECAP, in partnership with Ateneo de Davao and the City Government of Davao organized the writeshop for the city's energy plan in April this year. Expected to be approved by the city council and signed into an ordinance by the Mayor soon, it is going to be the first local energy plan adopted in the country.

Aside from the local governments, the youth are also taking charge at the local level. In Cebu and Davao, the CAYA has expanded to include high school and elementary school students in the city. With this expansion, the sustenance of Clean Air initiatives launched by CAYA is ever more guaranteed.

❖ **Assisted Cebu in Fulfilling the Institutional Promise of the Clean Air Act: The Cebu Air-Shed Governing Board**

In February 2009, the first Air-Shed Governing Board in the country was finally convened by the law's mandated principals composed of local government executives of Metro Cebu. Relying on the technical assistance provided by the ECAP, Metro Cebu is the first air-shed area identified in the Clean Air Act to have drafted their air quality management action-plans.

With USAID-ECAP serving as co-organizer and planning advisor, the local governments of Metro Cebu has taken the first step to accessing the Air Quality Management Fund (AQMF) which has remained untapped by local governments because of the difficulty of convening the local air-shed governing boards as specified by the law.

According to World Bank 2009 Philippine Country Environmental Analysis, 1.5 million Filipinos are afflicted with respiratory sickness annually due to outdoor air pollution (OAP) that is costing the economy some P950 million. annually.



❖ **Applied the Technology Management and Systems Approach for Cleaner Air: The Bus Rapid Transit System and Motor Vehicle Inspection Centers**

The Department of Transportation and Communications (DOTC) has embarked on two major technology-driven initiatives that would help reduce vehicle emission in major urban areas in the country. Providing technical assistance, the USAID-ECAP helped DOTC in the planning and ultimately, the establishment of the four motor vehicle inspection centers in the country. All are expected to be fully operational by early 2010 in time for the annual motor vehicle registration.

In Cebu, the ECAP helped the Cebu City Government establish and sustain linkages for national, regional, and ground support for the plan to unveil the Bus Rapid Transit system in the metropolis. Once implemented, the system is expected to ease the meet the city's growing needs for an efficient metro-wide transport system with the least gas emission possible.



III. PROJECT ACCOMPLISHMENTS

This section summarizes ECAP's accomplishments from October 2008 to September 2009. Aside from listing the accomplishments for the year, the following supplemental and detailed information are found in the Attachments Section of this Annual Report:

- ❖ Snapshot of Energy & Clean Air Accomplishments vis-à-vis Expected Results (First to Fourth Quarters of 2008-2009)
- ❖ Progress on Expected Results
- ❖ Detailed Description of FY 2009 Activities

Summary of Accomplishments

For its final year, ECAP has accomplished all its work plan activities under its energy, clean air, and under the shared energy and clean air components. All these activities were designed and undertaken in coordination and collaboration with ECAP's counterparts and partners in the government and in civil society.

These activities contributed directly or indirectly to the USAID's expected results for the energy and clean air project. On top of the activities outlined below, the Project also pursued various program management activities that include coordination meetings with partners in the government both at the national and local levels, the academe, and NGOs. At varying dates, the project management team also spent time and effort in the development of the 2009 Option Year Work Plan and spearheading strategic meetings with academic partners to ensure sustainability of local initiatives by ECAP's Project Area Offices (PAOs).

The breakdown of project accomplishments is presented below:

Component	Strategies				Total
	1	2	3	4	
Energy	13	12	8	7	40
Clean Air	30	11	13	12	66
Shared	2	3	2	2	9
Total					115

**ACCOMPLISHMENTS PER STRATEGY:
ENERGY COMPONENT**

❖ Strategy 1: Strengthening Energy Sector Competency

The ERC and the DOE are the lead partners of the Project. The former benefited in the TA provided for the implementation of their strategic and communication plans and organizing their Continuing Regulatory Education for Stakeholders (CREST) for members of the mass media, the judiciary, and distribution utilities regulatory officers.

Meanwhile, assistance was provided to DOE in relation to: (1) energy and power sectors planning and (2) improving participatory mechanism in writing the Philippine Energy Plan (PEP).

Implementation of the ERC Strategic and Communication Plans and Continuing Regulatory Education for Stakeholders (CREST)

The first quarter of the year saw ECAP facilitate the signing of the Memorandum of Understanding between the ERC and the AIM Policy Center. Together with its new academic partner, the Project helped the Commission implement its strategic and communication plans by holding three CREST workshops and crafting IEC collaterals for the implementation of the Electricity Open Access and Retail Competition in 2010.

Journalists, justices and officers of the, and Regulatory Compliance Officers (RCO) of distribution utilities received up-to-date information from the ERC to improve transparency, procedures, and collaborations between the ERC and the courts, media, and distribution utilities.

Concentrating on the need to strengthen the energy and electricity regulation sector competency, the Project also assisted the ERC in organizing two national events for the distribution utilities focusing on improving the knowledge and increasing the capacity of their organizations and officers to effectively implement Open Access and Retail Competition in 2010.



Workshop for
ERC's CREST



Signing of MOU between the
DOE and the Asian Institute of

Expanded Consultation on Philippine Energy and Power Planning

USAID-ECAP provided advisory support to the Office of DOE Undersecretary Mel Ocampo and the Electric Power Industry Management Bureau (EPIMB) in the series of Power Planning Mini-Workshops the Bureau organized. The workshops served as venues to (a) provide directions to the DOE-attached agencies for the implementation of the EPIRA; identify and accelerate the work plan priorities of the different attached agencies; (c) establish the structures and systems that will keep EPIRA implementation on course, and (d) provide impetus for the institutionalization of a more consultative and expansive process of writing the Philippine Energy Plan.

The meetings and mini-workshops were conducted with attached agencies namely: NPC, Power Sector Assets & Liabilities Management Corp. (PSALM), National Electrification Administration (NEA), National Transmission Company (Transco), and the Philippine Electricity Market Corporation (PEMC). For a period of more than 12 months, periodic meetings by representatives from these agencies generated tremendous amount of knowledge and inputs, which were deemed crucial in improving the planning process in the energy and power sectors.

During the early years of the Project, assistance was steadily given to the DOE to further improve the consultation process for the drafting of the Philippine Energy Plan. Since their partnership in 2004 started, USAID-ECAP and the DOE have always made an effort to introduce something new in the process.

A critical component of the process of developing the yearly PEP and/or PEP updates however that remains crucially missing is the independent output and analysis from national, sectoral, and regional experts. This was addressed by the Project when it invited outside experts to lend analytical viewpoints during the last consultation for the PEP in November 2009.

Turn-Over of Electricity Governance Toolkit

The Electricity Governance Indicator Self Assessment Toolkit for both DOE and ERC were presented to the two ECAP partners in May 2009 where DOE Undersecretary Ramon Santos recognized the importance of the toolkit in three ways: 1) evaluating the performance of DOE, 2) assessing its contribution to the economy and 3) improving the agency's service delivery. He viewed the self-assessment exercise as the act of looking in the mirror that gave DOE a reflection of its performance in accomplishing its mandates.

In the same vein, stakeholders in the energy and electricity sectors also expect the toolkit to be of maximum used in assessing the oil sector and energy sector towards the goal of solving conflicts and issues and in industry. As a way forward, ECAP academic partner, the Ateneo School of Government assured continued support to improving energy governance in the country by integrating the issue to the broader theme of Global Climate Change Program.

“The Electricity Governance Toolkit is expected to play an instrumental role in the overall re-evaluation of DOE’s contribution to the electric sector...”

~ DOE Undersecretary Ramon Santos

❖ **Strategy 2: Promoting Transparency and Public Participation in Energy Policy-Making**

Strategy 2 had a full and meaningful menu of activities and events for 2008-2009. The FY started with the passage of the Renewable Energy Law in December 2008. It was followed by the public consultations that led to the adoption of the law's



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While we can say it took us about 20 years to finally pass and implement the Renewable Energy Law. We can say with utmost confidence that it will not take us half that long to fully enjoy the benefits of finally having this law.

~ Secretary Angelo T. Reyes, DOE, in his speech during the adoption of the Renewable Energy Law Implementing Rules and Regulations, May 2009.

Implementing Rules and Regulations. Strategic technical assistance was also given to the National Fuels Board to help draft the final guidelines for the phase-out of harmful fuel additives. Finally, the year ended with the inauguration of the Baguio City Solar Energy Demonstration Project.

Passage of the Renewable Energy Act and the Implementing Rules & Regulations (IRR)

After almost two-decades of languishing in the agenda of Philippine Congress, the country finally led the region in passing the most comprehensive and most forward-looking Renewable Energy Law in Southeast Asia. While everybody in the energy sector celebrated the passage of the landmark legislation, the development of the RE Act Implementing Rules and Regulations (IRR) poses a great challenge to a sector that has yet to fully grasp the promise of the law. Henceforth, the biggest challenge in the second and third quarters for ECAP was how to assist energy stakeholders, led by the DOE and RE Coalition in drafting an IRR responsive to the needs and calls of the renewable energy sector.

To strategically get the issues and concerns of various stakeholders nationwide, the DOE held the public consultations in four regional areas: North Luzon, South Luzon, Visayas, and Mindanao. All four ECAP PAOs contributed significantly in organizing these public consultations by serving as events coordinators,

documenters, and facilitators. As facilitators, they introduced the approach of Technology of Participation (ToP) to systematically gather inputs from participants.

In May 2009 the RE Law in the Philippines was finally implemented with the adoption of its IRR at the DOE Office in Taguig City. The event was witnessed by the stakeholders in the energy sector including the RE Coalition and the private sector.

National Bio-Fuels Board Technical Assistance for the Phasing Out of Harmful Additives

Assistance to the DOE in the area of Biofuels has always been extensive. The TA for the biofuels sector has a full spectrum of activities that included the conduct of a writeshop for the implementing rules and regulations (IRR), conduct of public consultations in support of the IRR promulgation and the development of the National

Biofuels Program (NBP). In a nutshell however, the TA for this strategy for FY 2008-09 was focused on phasing-out harmful gasoline additives.

After providing support to DOE in the development of the Biofuels Implementing Rules and Regulation (IRR), the Project helped convened for the first time since 2007 the National Biofuels Board and offer the National Biofuels Program (NBP) technical assistance in policy and program implementation. A vital component of implementing the NBP is the formulation of guidelines phasing out harmful additives.

In providing support, ECAP helped organized several meetings and public consultations leading to the holding of a *Writershop* on the Guidelines in phasing out harmful additives in December 2008. Corollary to this, the Project also helped initiate the drafting of the NBP Communications Plan during the first quarter of FY 2008-09.



The Baguio City Solar Power Demonstration Project

USAID-ECAP successfully expanded public participation in energy policy-making when it successfully organized an alliance of partners to implement the Baguio Solar Power Demonstration Project.

The alliance made possible the installation of six solar panels at Baguio City's famed Burnham Park to power the electricity needs of the park's view deck using eight solar batteries from Motolite Philippines.

The project was a result of collaboration amongst, the Baguio City Government, SunPower, Motolite, Benguet State University, University of the Cordilleras, DOE, JVO Foundation, and the League of Cities of the Philippines.

❖ **Strategy 3: Promoting Efficient Utilization of Indigenous Energy Sources**

The promotion of efficient utilization of indigenous energy sources in the Philippines got a big boost with the enactment of the Biofuels Law and Renewable Energy Law in 2006 and 2008, respectively. The passage of these laws is the culmination of decades-long of advocacy for those in the energy sector.

Outside of the technical assistance given to promote the passage and implementation of the RE Law, activities under this strategy for FY 2008-2009 were few and far in between. ECAP also needed to prioritize the series of nationwide public consultations on the Renewable Energy Law and the PEP updates, which were identified by DOE as more urgent concerns.

However, this did not stop the Project from promoting the use of alternative and indigenous energy with new partners. USAID-ECAP met with GMA Network



representatives to explore the possibility of the television company using more bio-fuel enhanced gasoline for their vehicle fleet. USAID-ECAP also partnered with Manila Observatory in exploring the opportunity of creating a nationwide Remote Sensing GIS-based Analysis of Renewable Energy Resources.

In addition, USAID-ECAP contributed in jumpstarting anew the discussion on energy efficiency and conservation program as it also took the opportunity to strengthen existing partnership and expand possible collaboration work towards the eventual passage of the Energy Conservation Law. These partners include: (a) the Philippine Green Building Council (PGBC) for a holistic approach on energy efficiency; (b) the League of Cities of the Philippines for localization of energy planning practices; and (c) the Renewable Energy Coalition.

❖ **Strategy 4: Sustaining Constituency Support for Energy Reforms**

For five years, ECAP has crossed paths with different professional organizations, private companies, and grassroots organizations that share the same passion in advocating reforms in the energy sector. The Project has successfully cultivated and nurtured a constituency of partners with initiatives and ideas aimed at moving the energy sector forward.

In 2009, the Project co-organized activities with the RE Coalition, the DENR-EMB, the CAYA, the League of Cities, the League of Municipalities (LMP), and the DOE-EUMB. Among the activities are the nation-wide consultations for the RE Law organized and co-sponsored with the DOE and RE Coalition, the Tiwi, Albay Race Against Climate Change with Chevron and RE Coalition, a photo exhibit during the LMP national convention, and the adoption of the RE Law Implementing Rules and Regulations managed with RE Coalition and DOE.

By sustaining the partnerships created by the ECAP through the years, the Project has made sure the constituency or base of support for energy reforms in the country shall not only remain active but focused and determined as well.

ACCOMPLISHMENTS PER STRATEGY: CLEAN AIR COMPONENT

❖ Strategy 1: Strengthening the Country’s National Motor Vehicle Inspection and Maintenance Program

The Project’s strategy of strengthening the country’s national motor vehicle inspection maintenance program resulted in the inauguration of four Motor Vehicle Inspection Centers (MVIC).

Outside of the goal of establishing a system for motor vehicle inspection in the country, USAID-ECAP also supported the DOTC in organizing the national transport summit in 2008 and 2009 that both focused on setting up Environmentally Sustainable Transport system in Cebu and Metro Manila.

The pursuit of programs for Special Vehicle Pollution Control and Safety and capacity building for Private Emission Testing Centers (PETC) complete the major activities done by the Project under strategy 1 for Clean Air.

Collectively, ECAP’s TA for Clean Air Strategy 1 for 2009 was focused on three areas: (1) promoting environmentally sustainable transport systems (EST), (2) ensuring that the schedule for the opening of the four MVIC in 2009 is met, and (3) improving the governance and transparency system for private emission testing centers.

The Philippine Motor Vehicle Inspection Centers

After years of providing guidance and support, the Project takes pride in having fulfilled its mission of establishing the motor vehicle inspection system in the country. Through its partner, the DOTC, USAID-ECAP sees the creation of the four inspection centers (2 in Metro Manila, 1 in Pampanga, and 1 in Cebu) as the initial big step needed in towards institutionalizing and standardizing inspection procedures on the country.

With the four MVIC expected to fully-function by 2010, the DOTC and the Project expects cleaner vehicle emission and better road safety records in the country. For ECAP’s final year, the Project provided technical guidance to the DOTC in ensuring that the country’s first national motor vehicle inspection and maintenance program is up

“Providing affordable, efficient, and convenient transport to commuters in Manila is priority [of] the DOTC, and I am very supportive of a full feasibility study to make a BRT system in Metro Manila a reality.”

~ *DOCT Undersecretary Anneli Lontoc*



Bogota Mayor Enrique Peñalosa presented the BRT project in his city to senior government officials of Cebu, Lapu-lapu, Talisay, and Mandaue cities last Nov.10, 2008 at Casino Español de Cebu, Cebu City



DILG Usec. Austere Panadero turns over the USAID-ECAP AQM Toolkit to ULAP Exe. Dir. Monina Camacho as DENR Usec. Tesam Castillo and Mr. Jose Dulce of USAID look on.

and running in 2009.

Environmentally Sustainable Transport Systems

About 70% of air pollution in urban areas is mobile-sourced. Henceforth, the adoption of transport schemes that emphasize efficient mass transit, fuel savings, clean fuels and/or, non-use of motorized engines, is sure to reduce overall carbon emission. EST options like the bus rapid transit and non-motorized transit options (e.g. pedestrianization, biking) are important supplemental transport policies for mitigating mobile emissions reduction.

This year ECAP, in collaboration with the DOTC, the Clean Air Initiative (CAI) – Asia, UP-NCTS, and the Partnership for Clean Air, helped organized two national conferences on EST focusing on the feasibility of an integrated and multi-sectoral approach. During the last EST National Forum on November 12, 2009, the DOTC made a series of announcements intended for 2010 onwards intended to jumpstart the policy direction in support of EST.

These include the full-capacity operations of the agency’s four Motor Vehicle Inspection Centers, the use of CNG buses along EDSA, improved monitoring of the BRT system and rationalization of the public transport system in Metro Manila. Likewise, ECAP-partner Cebu City announced that it had just approved a City Council Resolution favoring the BRT over the Metro Rail Transit system in the city.

In promoting EST, USAID-ECAP also went international. Towards the goal of spreading the BRT virus amongst urban planners and governors, the Project helped organized a discussion forum on BRT in Metro Cebu with no less than the Mayor of Bogota, Colombia serving as the resource speaker.

It also spearheaded the Philippine delegation’s participation in the Better Air Quality

Conference in Bangkok, the ultimate result of which was the convening of the first Air Shed Governing Board in the country.



BAQ 2008 Philippine Delegates, November

Improving Governance and Transparency of Private Emission Testing Centers

With the unveiling of the country’s motor vehicle inspection system (MVIS), monitoring the performance of the PETCs has remained more critical than ever if only to ensure that the regulatory loop in emission control is effectively working. This year, ECAP worked closely with the PETC Committee composed of the DOTC, DTI, and DENR to formulate ways to improve the role of PETC in monitoring motor vehicle emission standards.



City Baguio City Vice Mayor Daniel T. Fariñas led the launching ceremony of the Clean Air Ordinance

Under the previous TA of USAID-ECAP, the Revised Monitoring Guidelines for Emission Testing Centers was approved and an improved motor vehicle emission standard was subsequently adopted.



In approving these new guidelines and adopting the new standards, the Inter-Agency committee working for Clean Air has further enhanced the policy for monitoring the PETCs and strengthened the integrity of their operations. ECAP continues this steady support to the committee in the hope of improving private sector participation in vehicle emission control.

For this year, the Project sponsored the orientation-seminar for regional monitoring leaders on emission testing standards. The activity complements the new policy guidelines mentioned above deemed as important supplements to the Joint Administrative Order (JAO) #2 issued in 2007 that provides for the Regional Monitoring System of Emission Testing Centers, which was also adopted through the guidance of USAID-ECAP.

❖ **Strategy 2: Strengthening Local Governance Capacity of LGUs for Clean Air Reforms**

While the problem of polluted air knows no boundaries, the solution to curbing it has always required the support and participation of local communities and leaders. This is the rationale behind USAID-ECAP's strategy 2 for Clean Air. At the heart of ECAP's Strategy 2 for Clean Air is strengthening local institutional capacity for air quality management.

For FY 2008-09, the Project helped organized two national conferences on Clean Air for LGUs, and on various occasions has worked with the local governments of Baguio, Cebu, Marikina, and Davao City to look for ways to improve local air quality monitoring and management. The Project also came out with the Air Quality Management Toolkit aimed at providing local government units the critical information to initiate their own local projects on air quality management.

Clean Air 10 Declaration and Five-Year Action-Planning

Working with its partners in the Clean Air sector, the Project successfully organized two national conferences aimed at finding an integrated approach to move forward the successes gained through the ten year implementation of the Philippine Clean Air Act (PCCA). The first conference in June 2009 saw more than 400 delegates from all over the country affix their signature to support the commitments outlined in the Clean Air 10 Declaration.

During the second conference in November, a smaller group of key players from the Clean Air sector sat down and put into realizable targets the commitments outlined in the Clean Air 10 Declaration with particular emphasis on the role of LGUs headed by their umbrella leagues: Union of Local Authorities of the Philippines (ULAP), League of Provinces of the Philippines (LPP), League of Cities of the Philippines (LCP) and the League of Municipalities of the Philippines (LMP).

In both events, the Project provided logistical support and technical inputs in the program design. The Project also hosted cluster meetings to ensure that initial targets are achieved.

The Cebu Air Shed Governing Board

Almost ten years after the passage of the PCCA, one of its fundamental provisions remain unfulfilled. Until, USAID-ECAP assisted the Cebu City Government in convening the first Air Shed Governing Board in the country.

A simple discussion in Bangkok during the Better Air Quality conference was enough for Cebu Vice-Mayor Michael Rama to take the initiative in convening the first ever Air Shed Governing Board in the country. Less than four months after the BAQ conference, action-plans of the Cebu Air Shed Governing Board were drafted and agreed by all stakeholders in another USAID-ECAP organized event in Cebu City.

Achieving what others have failed to achieve, the Cebu Air Shed Governing Board stands true to the dictum that nothing is impossible and that everything is within reach if people start working towards a common goal. The convening of the Cebu Air Shed Governing Board is considered by many as one of the highlights during the 10th Anniversary Celebration of the PCCA.

Paving the Way for Effective Local Air Quality Management: The USAID-ECAP AQM Toolkit

With the aim of increasing the number of LGUs pursuing their own local initiatives to clean the air, the Project spearheaded the writing and publishing of the first Air Quality Management Toolkit for Local Government Units.

The Toolkit, which contains among other things, a template for Anti-Smoke Belching Ordinance and specific guidelines for drafting a local clean air action-plan, is expected to provide impetus to local governments around the country to undertake their own clean air initiative. With the support of the local government leagues around the country, the toolkit shall also serve as the overall guide of local governments around the country insofar as interpreting the role and responsibilities of LGUs in relation to the PCCA is concerned.



Bringing Solutions Closer to the People: Working with Local Government Partners Baguio City Anti-Smoke Belching Ordinance

Nothing significant can be accomplished in the clean air sector without the cooperation and support of local governments. The Philippine Clean Air Act has prescribed a supporting, yet equally critical role for the Local Government Units (LGUs). They are mandated to enforce standards, imposed regulatory policies, and adhere to national programs in their respective jurisdictions.



Since its inception, the Project has worked with local governments in pursuing reforms in the clean air sector. USAID-ECAP has always regarded local governments its partners in localizing initiatives at the national level. This year, USAID-ECAP concentrated its TA to local government partners in the effective implementation of Anti-Smoke Belching ordinances.

The Project provided technical support to local governments of Davao, Baguio, and Marikina in capacitating their local ASB teams. The Project successfully assisted Baguio City in passing its ASB ordinance and subsequently helped the city draft the Implementing Rules and Regulations.

Finally, the Project provided technical assistance to Marikina City for its Clean Air Management initiative. The TA included a stakeholders' forum on ASB Ordinance and a seminar on sustainable and integrated clean air management.

❖ **Strategy 3: Enabling the Public Utility Transport Sector to Comply with MV Emission Standards in the Clean Air Act (CAA)**

Under the strategy of enabling the public transport sector to comply with motor vehicle emission standards, USAID-ECAP helped organized the November 2008 Transport Summit on energy efficiency and environmental sustainability as it also joined hands with the DOTC and Makati City to plan and strategize on the latter's plan to phase-out two-stroke tricycles.

With Baguio City having just passed its own ASB ordinance, the Project also assisted the city in organizing a trainor's training for public utility vehicle drivers. Transport group representatives and designated trainors from the City Government learned from ECAP resource speakers what they need to know on preventive maintenance, use of clean fuels, and proper driving habits.

❖ **Strategy 4: Sustaining Constituency Support for Clean Air Reforms**



An overarching theme that has emerged for the duration of the Project is that of undertaking projects focusing on volunteerism and empowerment of local coalitions. Looking back to previous 14 months, this theme has continuously emerged for FY 2009 as exemplified by the numerous programs completed through the efforts of volunteers and initiatives of local partners.

As always, involving the youth and schools remains the central strategy and advocacy of the Project in terms of sustaining constituency for reforms. These include support for DENR-EMB national search for greenest schools, support for Cebu SK (youth) Council federation meeting on youth response to climate change, launching of e-academe, partnership with Davao Jaycees, and expansion of CAYA to include elementary and high school students in Cebu and Davao.



Two premiere activities that the Project completed for the year with the assistance of CAYA and other school and youth-based organizations are the Earth Day 2009 Celebration and the 2009 Panagbenga Festival in Baguio City.

Outside of schools and the young, the Project also fostered stronger partnerships with the League of Cities, Union of Local Authorities in the Philippines, and League of Municipalities in the Philippines. Finally, the multi-sectoral approach in organizing the two national conferences on Clean Air also enabled USAID-ECAP to expand and deepen constituency and support for clean air reforms in the country.

IV. LESSONS LEARNED AND MOVING FORWARD

1. Encourage out-of-the-box thinking to address policy bottlenecks.

USAID-ECAP has worked with local and national partners for more than a half a decade. In many occasions, progress and development in policy planning and implementation have been hampered by bureaucratic procedures that prevents new ideas and innovative solutions to be explored and debated and considered for adoption.

For things to move forward, out-of-the-system and extra-ordinary ideas and solutions should be heard and explored in an academic setting. Exploration, development, and implementation of alternative policy instruments within the existing policy framework as means to address implementation bottlenecks should not be considered as threats to existing practices. This is particularly true in the areas of planning and execution of programs in the power, biofuels, and renewable energy sectors.

2. Support the expanded and increased participation of academic institutions and NGOs in policy development and implementation.

The holding of public consultations is a standard and regular procedure that is followed by government agencies in developing, formulating and promulgating policies. However, traditional practices in implementing these standardized procedures encourage particular practices to become a fixed set of ways rather than a set of responsive and creative practices that continuously lead to higher levels of performance and participation of stakeholders.

Public Consultations can be improved by jointly undertaking them with the academia, in terms of a) bringing together a more diverse and complete set of stakeholders, b) more open discussions with participants, c) a more structured process of reaching agreements and d) more complete documentation of proceedings. Academic institutions/facilities are ideal as venues for public consultations – faculty and students can serve as effective facilitators and documenters respectively.

Using the Technology of Participation (ToP) in public consultations has been observed to strengthen the process for gathering issues and recommendations from stakeholders. This is particularly true if the list of stakeholders is expanded to include non-traditional sources. Not only does ToP present equal opportunity for all participants to be heard, but more importantly it empowers the participants to share their ideas freely and own the outputs of their discussion and recommendations.

Expansion of academic and NGO participation in policy planning and consultation should thus be encouraged and supported.

3. Pave the way for LGUs to play an even stronger role in Clean Air Act (CAA) implementation.

While devolution of national government functions has long been in place, capacity building at the LGU level remains necessary and urgent particularly for implementing technical areas mandated by the CAA. With their powers to issue and enforce ordinances, LGUs have a crucial role in improving air quality.

The holding of two national conferences on Clean Air focusing on the role and responsibilities of LGUs has brought to light this palpable observation. Supporters of reforms in the clean air sector should see to it that the conferences are followed by activities that would give leverage to the right and responsibility of local governments in the country to plot their own local agenda for air quality management.

4. Help Institutionalize in government agencies the Practice of Documenting the proceedings of National Conferences and Strategic Meetings and Forums.

Conferences and workshops are venues to thresh-out issues, draw fresh insights from the participants and reach and find solutions to shared and common problems that are acceptable to everyone. However, experience from the activities organized by the Project this year has revealed the low appreciation by government agencies of event documentation. ECAP-affiliated academic partners regularly performed the traditional role as event organizers/documenters for events ECAP helped organized. .

For partners to fully benefit from the exchanges during workshops and conferences, future projects must guide and if needed, capacitate government agencies towards making event documentation a fundamental requisite of event management. The process of documenting the proceedings in meetings, FGDs, RTDs, workshops, and conferences increase the awareness of the documenters on the issues, different/opposing views and alternative solutions. Another benefit is increased coordination with the stakeholders.

This practice should lead the agencies towards processing the information contained in the documentation for developing follow-on activities that are needed in sustaining the reform initiatives.

5. Pursue constituency building in policy-making and implementation.

Constituency Building serves as an effective tool for integrating and unifying the efforts of various cause-oriented groups and organizations, many of which are fragmented, dispersed and their potential to support reform initiatives largely untapped. If their efforts successfully converge, these can significantly support government's initiatives to set and implement policies.

For this year, ECAP continued to demonstrate the importance of activities that lead to coalition and network building. Once coalitions are established and partnerships are created, doing advocacy, policy development, and research work becomes a much easier – and a more community-based - undertaking.



Moving Forward

Whilst the ECAP has closed, the stakeholders in the energy and transport sectors can expect ECAP's counterparts in the government and its partner institutions in the private sector to continue to develop and implement, monitor, and evaluate the reform initiatives in these two sectors.

Our counterparts and partners continue to make use of the technologies for strengthening good governance, for improving policy frameworks, and for increasing public understanding and support to reform initiatives that the USAID has transferred to the two sectors thru ECAP. They also continue to build on the reform initiatives and accomplishments with their own respective follow-on activities for plans and programs that they have undertaken jointly with ECAP over the last five years.

The two sectors continue to face challenges to reform initiatives as new global, regional, and national economic, energy, environment, and socio-political developments emerge. Development work, in terms of strengthening policy frameworks, building institutional capability, and increasing public awareness and support must continue and will increasingly demand innovative and creative approaches.

Scaling-up of the reform efforts and of the scientific and technical content of information, education, and communication campaigns coupled with the continuous expansion of the stakeholder base supporting reform initiatives will help sustain and extend reform initiatives over and beyond project lifetimes.



IV. FINANCIAL REPORT
(File to be send together with Terminal Report)



ATTACHMENTS

1. Snapshots of Energy and Clean Air Accomplishments
2. Progress on Expected Results
3. Detailed Description of FY2009 Activities

**ATTACHMENT 1:
Snapshot of Energy & Clean Air Accomplishments vis-à-vis Expected Results
(First – Fourth Quarter of 2009)**

FIRST QUARTER

ACCOMPLISHMENTS DURING THE QUARTER	EXPECTED RESULTS			
	1	2	3	4
Energy Strategies & Activities	Strategic plans of energy agencies developed and implemented.	Key energy policies formulated	Access to indigenous energy resources increased	Coalition established
<i>1: Strengthening Energy Sector Competency</i>				
Implementation Support for ERC 's 2007 Strategic Communications Plan - Updates	√			
Energy Sector Planning – DOE Philippine Energy Plan Public Consultation in Davao City	√			
DU Capacity Building on Open Access and Retail Competition – IFC TA to Mindanao ECs on Power Supply Contracting	√			
Energy Sector Planning: Development of an Energy Sector Institutional Development Toolkit – Adoption of the Toolkit by ERC	√			
Coordination Meetings with Mindanao Distribution Utilities – COLIGHT and MAGELCO	√			
ERC and AIM MOU Signing	√			
<i>2: Promoting Transparency & Participation in Energy Policy-Making</i>				
Support for the Implementation of the Biofuels Act: Meeting of the Technical Committee on Petroleum Products and Additives on the Draft Program to Phase-out Harmful Gasoline Additives		√		
Passage of the Renewable Energy Act		√	√	
Presentation of the Discussion Paper on Renewable Portfolio Standards to DOE		√	√	

ACCOMPLISHMENTS DURING THE QUARTER	EXPECTED RESULTS			
	1	2	3	4
Meeting with ECO-Asia re: Regional Biofuels Study		√		
3. Promoting the Efficient Utilization of Indigenous Energy				
Meeting with Philbio on Community-level Biogas Digesters			√	
Meeting to Assess the Geographical Information System for RE Resources			√	
Technical Session on Biofuels with GMA Network Administrative Services			√	
Meeting with the Camera Club of the Philippines on a Photo Exhibit for RE			√	√
Energy Investment Forum			√	√
4: Sustaining Constituencies for Energy Reforms				
League of Municipalities of the Philippines Exhibit				√
Harvard Business School Study Visit to Baguio & Benguet				√
Clean Air Strategies & Activities	Diesel-powered vehicles compliant with emission standards	Level of PM10 contribution from mobile sources reduced	Cleaner vehicle fuels used	Coalition established
1: Strengthening the NMVIM System				
Finalization of the Budget for the Implementation of the Country's National Motor Vehicle Inspection and Maintenance Program	√	√	√	
5 th PETC National Execom Meeting	√	√	√	
DOTC-LTO-ECAP Coordination Meeting	√	√	√	
Formulation of a National Environmentally-Sustainable Transport (EST) Strategy	√	√	√	
A Discussion Forum with Mayor Enrique Peñalosa of Bogota on Bus Rapid Transit (BRT)	√	√	√	
USAID-ECAP Participation in Better Air Quality 2008	√	√	√	
2: Strengthening Local Governance Capacity for CA Reforms				
Coordination and Collaboration Meetings with Local Clean Air Partners In Pursuing Clean Air Reforms	√	√	√	



ACCOMPLISHMENTS DURING THE QUARTER	EXPECTED RESULTS			
	1	2	3	4
Mini-Roundtable Discussion with Cebu City Government Partners in Pursuing Air Quality Management and Climate Change Programs	√	√	√	
LTO Davao Kicks-off Anti-Smoke Belching Operations	√	√	√	
Baguio City Clean Air Ordinance Launching Ceremony	√	√	√	
Series of Free Emission Testing Activities in ECAP Sites	√	√	√	
<i>3: Enabling the Public Utility Transport Sector to Comply with CAA Emission Standards</i>				
Trainors' Training on Preventive Maintenance, Use of Clean Fuels, and Proper Driving Habits in Baguio City	√	√	√	

SECOND QUARTER

ACCOMPLISHMENTS DURING THE QUARTER	EXPECTED RESULTS			
	1	2	3	4
Energy Strategies & Activities	Strategic plans of energy agencies developed and implemented.	Key energy policies formulated	Access to indigenous energy resources increased	Coalition established
<i>1: Strengthening Energy Sector Competency</i>				
Energy Sector Planning: Pre-Planning Workshops with DOE Bureaus and Services	√			
Energy Sector Planning: Planning Workshop for the Formulation of the Integrated Information Communication Technology (ICT) Development Program of the Energy Sector	√			
Support to ERC's Strategic Plan Implementation: ERC 2 nd Level Planning Workshop	√			
Energy Sector Planning: Pre- Energy Summit Workshops	√			
Energy Sector Planning: Post-Energy Summit Synthesis and Integration	√			
Energy Sector Planning: DOE Strategic Planning Workshop	√			
DU Capacity Building: Training Workshop on Risk Management in a Competitive Electricity Market	√			
Development & Implementation of Power Tracker II: Training on Power Tracker Retail Rates Extension	√			
Energy Sector Planning: Planning Workshop with Energy Attached Agencies	√			
Support to the Implementation of ERC 's 2007 Communication Plan: Continuing Regulatory Education for Stakeholders (CREST) Program	√			
<i>2: Promoting Transparency & Participation in Energy Policy-Making</i>				

ACCOMPLISHMENTS DURING THE QUARTER	EXPECTED RESULTS			
	1	2	3	4
Advisory Support to the Passage of the RE Bill		√	√	
Support to the Passage of the Natural Gas Bill: Natural Gas Coalition Building through DOE-PUP Partnership		√		√
Clean Air Strategies & Activities	Diesel-powered vehicles compliant with emission standards	Level of PM10 contribution from mobile sources reduced	Cleaner vehicle fuels used	Coalition established
<i>1: Strengthening the NMVIM System</i>				
Strengthening the National MV Inspection and Maintenance Program Initiatives	√	√	√	
Transport Summit 2008: Energy Efficiency and Environmental Sustainability in the Transport Sector	√	√	√	
Introduction to Public Transport Planning and Industry Reform Workshop	√	√	√	
Field Visits to MVIS Facilities for the MVIS Institutional Study	√	√	√	
Orientation-Seminar of Regional Monitoring Leaders on the Emission Testing Center Monitoring Guidelines	√	√	√	
<i>2: Strengthening Local Governance Capacity for CA Reforms</i>				
Improving Local Governance for Clean Air Reforms Initiatives	√	√	√	
Marikina City's Seminar on "Environmental Awareness and Sustainable Integrated Clean Air Management"	√	√	√	
<i>4: Sustaining Constituency Support for Clean Air Reforms</i>				
Selection of Philippine Youth Delegates to the 9 th Hitachi International Young Leaders' Initiative				√
Preparations for Earth Day 2008 Celebration				

THIRD QUARTER

ACCOMPLISHMENTS DURING THE QUARTER	EXPECTED RESULTS			
	1	2	3	4
Energy Strategies & Activities	Strategic plans of energy agencies developed and implemented.	Key energy policies formulated	Access to indigenous energy resources increased	Coalition established
1: Strengthening Energy Sector Competency				
Turn-over of Electricity Governance Toolkit	√			
DOE Post-Strategic Planning Workshop Assessment	√			
DOE-AIM Partnership for Project Planning and Implementation	√			√
Support to the Implementation of ERC 's 2007 Communication Plan: Continuing Regulatory Education for Stakeholders (CREST) Program	√			
2: Promoting Transparency & Participation in Energy Policy-Making				
Adoption the RE Law Implementation Rules and Regulations	√	√	√	
Launching of the Baguio Solar Power Demo Project	√			√
3. Promoting Efficient Utilization of Indigenous Energy Sources				
Partnership meetings with LCP and TA for the establishment of the National Fuels Board				√
4. Sustaining Initiatives of Constituencies for Energy Reforms				
Support for DENR-EMB On-the-Spot Painting Contest on Climate Change				√
Clean Air Strategies & Activities	Diesel-powered vehicles compliant with emission standards	Level of PM10 contribution from mobile sources reduced	Cleaner vehicle fuels used	Coalition established
1: Strengthening the NMVIM System				

ACCOMPLISHMENTS DURING THE QUARTER	EXPECTED RESULTS			
	1	2	3	4
Strengthening the National MV Inspection and Maintenance Program Initiatives	√	√	√	
PETC National Executive Committee Meeting	√	√	√	
Field Visits to MVIS Facilities for the MVIS Institutional Study	√	√	√	
MVIS Public Consultation Meetings	√	√	√	
2: Strengthening Local Governance Capacity for CA Reforms				
Capacity Building for Project Planning, Development, and Monitoring				√
Marikina Stakeholders Forum on ASB Ordinance	√	√	√	√
Monitoring of Motor Vehicles Emission Compliance	√	√	√	
Training on Roadside Inspection for Cebu City Enforcers	√	√	√	
National Conference on Empowering LGUs to Clean the Air and Address Climate Change	√	√	√	√
3. Enabling the Public Utility Transport Sector to Comply with Emission Standards in the CAA				
Transport Summit 2009: Energy Efficiency and Environmental Sustainability in the Transport Sector	√	√	√	
4: Sustaining Constituency Support for Clean Air Reforms				
Regional Monitoring Team Performance Assessment Rating Writeshop	√	√	√	√
Support to the Cebu Youth Council (SK) Federation Meeting on Youth Response to Climate Change				√
Participation in the Earth Day 2009 Celebration				√

FOURTH QUARTER

ACCOMPLISHMENTS DURING THE QUARTER	EXPECTED RESULTS			
	1	2	3	4
Energy Strategies & Activities	Strategic plans of energy agencies developed and implemented.	Key energy policies formulated	Access to indigenous energy resources increased	Coalition established
<i>1: Strengthening Energy Sector Competency</i>				
ERC CREST for Distribution Utilities' Regulatory Compliance Officers	√			
ERC Internal-CREST for Department Heads and Bureau Chiefs	√			
Power Summit Cluster Meetings	√			
DOE-AIM Program and Project Implementation Team Meetings	√			
DOE-AIM-ECAP Meetings for Users-Producers Forum	√			
DOE Internal Workshop for Users-Producers Forum	√			
DOE-Energy Stakeholders Workshop on Users-Producers Forum	√			
Roundtable Discussion on DOE Sector Targets, Strategies, and Action-Plans 2010-2030	√			
	√			
	√			
<i>2: Promoting Transparency & Participation in Energy Policy-Making</i>				
Inauguration of the Baguio City Solar Energy Demonstration Project		√ (Local)	√	
		√		
		√		
		√		
<i>3: Promoting Development & Efficient Utilization of Indigenous Energy</i>				
			√	



ACCOMPLISHMENTS DURING THE QUARTER	EXPECTED RESULTS			
	1	2	3	4
			√	
			√	
			√	
4: Sustaining Initiatives of Constituency for Energy Reforms				
RE Coalition on RE Adventure Race				√
				√
				√
				√
				√
				√
				√
Clean Air Strategies & Activities	Diesel-powered vehicles compliant with emission standards	Level of PM10 contribution from mobile sources reduced	Cleaner vehicle fuels used	Coalition established
1: Strengthening the NMVIM System				
Strategic Planning Workshop for LTO Regional officers on Special Vehicle Pollution Control Program (SVPCP)	√	√	√	
Workshop on the MVIS Procedural Guidelines	√	√	√	
8th PETC NEC Meeting	√	√	√	
DOTC-USAID Consultation Meeting on the DOTC MV Emission Reduction Initiatives	√	√	√	
Action Planning Workshop for the Special Vehicle Pollution Control Program of the LTO Regional Offices	√	√	√	
				√
	√	√	√	
2: Strengthen Local Governance Capacity for CA Reforms				

ACCOMPLISHMENTS DURING THE QUARTER	EXPECTED RESULTS			
	1	2	3	4
Clean Air 10 National Conference 2: Stakeholders' Action Planning	√	√	√	√
Turn over of AQM Toolkit for Local Government Units	√	√	√	
	√	√		
	√	√	√	
	√	√	√	√
	√	√		
	√	√		
	√	√	√	√
3: Enabling the Public Utility Transport Sector to Comply with CAA Emission Standards				
National Forum-Consultation on Green Transport	√	√	√	
	√	√	√	
4: Sustaining Constituency Support for Clean Air Reforms				
Planning and Coordination Meeting for the 2010 Earth Day Celebration	√ (Indirect)	√ (Indirect)	√ (Indirect)	√
				√
				√
				√
				√
	√	√		
Shared Energy and Clean Air Activities				
National Search for Cleanest and Greenest Schools				√
				√



ACCOMPLISHMENTS DURING THE QUARTER	EXPECTED RESULTS			
	1	2	3	4
				√

ATTACHMENT 2: Progress on the Expected Results (ERs)

ENERGY

EXPTECTED RESULTS	PROGRESS (October 2004 to December 2009)
<p>1 Strategic plans developed and implemented to strengthen institutional and staff competency of DOE, ERC and other agencies involved in the energy sector to formulate and implement various energy reforms.</p>	<ul style="list-style-type: none"> ▪ 2 strategic plans and 1 communication plan developed and implemented by ERC. The TA began in 2005 per request of ERC. This has resulted in the following: <ol style="list-style-type: none"> (1) Development and Implementation of ERC's 2005 Strategic Plan (2) Development and Implementation of 8 action plans supporting the 2005 SP (3) Development of Criteria for ERC's Top Performers and High Potentials (4) Development and Implementation of ERC's 2007 Strategic Plan, which is yet to be supported by 8 action plans after ERC conducts action planning workshop in the succeeding quarter ▪ 4 major capacity building activities on Planning conducted for DOE and ERC designed to strengthen capacity of staff to develop, implement, and monitor plans. These activities include: <ol style="list-style-type: none"> (1) Training on Logical Framework Analysis for the DOE designed to enhance skills in improving the development and preparation of the Philippine Energy Plan. Said training involved preparatory workshops with PEP-TWG members. (2) Improvement of the DOE Philippine Energy Planning process (3) Organizational Planning Workshop of EPIMB (4) Two (2) Strategic Planning Workshops for ERC that followed systematic and strategic processes of: Institutional Assessment, SWOT Analysis, Commission-level workshops, Director-level workshops, and Staff-level action planning workshops. ▪ 2 major capacity building programs conducted for the distribution utilities: <ol style="list-style-type: none"> (1) Consumer Welfare Development Program initiated by the ERC for the consumer welfare desk (CWD) officers to enhance their skills on handling consumer complaints. The program was designed to prepare the distribution sector for market competition that will emerge upon implementation of open access and retail competition. The Program involved the following activities: (a) Three (3) Regional Training on Basic Skills for Customer Service, (b) Teaching Experts and Advocates for Change (TEACH) Trainor's Training Program, (c) CWD Trainers' Action Planning

	EXPTECTED RESULTS	PROGRESS (October 2004 to December 2009)
		<p>Workshop, and (d) First National Convention of Consumer Welfare Desk Officers held last July 2006.</p> <p>(2) Development of a Philippine Time-of-Use (TOU) Program which involved two extensive assessment studies: (1) Assessment of existing TOU Programs in the Philippines and (2) Study on the Potential of Large Consumers to adopt TOU Programs. This Program was parked in 2006 due to change in technical directions from USAID.</p>
2	<p>Key energy policies formulated to promote privatization of transmission and generation assets; to increase use of natural gas, renewable energy and geothermal in augmenting power supply; and to correct deficiencies in the implementing rules and regulations of the EPIRA.</p>	<ul style="list-style-type: none"> ▪ Four (4) major policy instrument formulation assisted: <ol style="list-style-type: none"> (1) Natural Gas Industry Development through technical advice in the formulation of three (3) policy instruments: DOE Circular on NGVPPT, DOE Circular on LNG, and NG Industry Roadmap as attachment to the NG Bill. (2) Development of one (1) Manual of Procedures for the implementation of ER 1-94 <i>Benefits to Host Communities</i> through technical advice and conduct of one (1) seminar-workshop (3) Promulgation of the Biofuels Act IRR after assisting DOE in the conduct of one (1) writeshop and four (4) public consultations held in the cities of Baguio, Bacolod, Cagayan de Oro and Manila (4) EPIRA IRR Amendments through the conduct of one (1) public consultation in Manila on Sections 4(e) and (s) and Section 7, Rule 18 and technical advice on drafting the DOE DAO Instituting Amendments to Sec. 1 of Rule 29 (5) Development of the National Biofuels Program in consultation with the technical working group of the National Biofuels Board. ▪ One (1) major policy implementation assisted through expert advisory services provided by ECAP to DOE-EPIMB on the privatization of NPC.
3	<p>Supply of indigenous cleaner sources (natural gas, geothermal and other renewable sources) increased by at least 15% for power generation to improve self sufficiency.</p>	<ul style="list-style-type: none"> ▪ 11 expressions of interest (EOIs) submitted to DOE by investors as a result of ECAP's assistance in the DOE-hosted Philippine Energy Contracting Round (PECR). These EOIs can turn into potential investments in the country's energy sources thereby increasing the country's energy supply. ECAP's assistance came in the form of the following: <ol style="list-style-type: none"> (1) Four (4) investment collateral materials (2) Three (3) investment collateral CDs (3) One (1) investment forum ▪ Twelve (12) capacity-building activities (i.e. RTDs and fora) designed to promote indigenous energy sources particularly RE and natural gas

EXPTECTED RESULTS		PROGRESS (October 2004 to December 2009)
4	At least one (1) coalition with academic, research, and NGOs established in Luzon, Visayas, and Mindanao.	<ul style="list-style-type: none"> ▪ 2 coalitions formed: <ol style="list-style-type: none"> 1. ECADEME, a network of academic institutions in Baguio and Benguet which pursues and advocates for environmental causes 2. Coalition of RE for Economic Development (CREED), based in Davao, which pursues the cause of promoting the use of RE systems in electrification. ▪ Strengthened partnerships with the following private sector organizations and coalitions: <ol style="list-style-type: none"> (1) Philippine Chamber of Commerce and Industry (PCCI) (2) Institute of Integrated Electrical Engineers (IIEE) (3) Philippine Economic Society (4) Renewable Energy (RE) Coalition

CLEAN AIR

EXPECTED RESULTS		PROGRESS (October 2004 to December 2009)
1	No. of diesel-powered vehicles compliant with emission standards prior to registration increased by 80% in four (4) project sites;	<p>Overall Status – ECAP’s technical assistance appears to be positively correlated with improved compliance rates in all cities.</p> <ul style="list-style-type: none"> • In Metro Manila - <u>The compliance rate has increased during the 2006-2007 timeframe</u> when ECAP’s TA efforts were in full swing, <u>although the level is still below ECAP’s targeted rate for these years.</u> Main reasons for the low performance are largely related to the inadequacy of enforcement personnel and emissions testing equipment in the LTO, DENR and the LGUs; and the stoppage of ABS-CBN’s Bantay Usok Campaign and of MMDA’s roadside operations, which were instrumental in 2004’s high compliance rate. • In Baguio - <u>The compliance rate is higher than the targeted rate in 2006.</u> ECAP’s initial TA in the City started in mid 2006, with organizational development support for the multi-sector coalition Baguio Bantay Kalinisan Task Force (BBKTF). It was the BBKTF that conducted regular ASB campaigns throughout the city. • In Cebu – <u>The compliance rate is higher than the targeted rate in 2006.</u> ECAP’s initial TA in the City started in November 2005, with the convening of a multi-sector technical working group. The TWG partnership with ECAP paved the way for joint IEC efforts, including the conduct of “no-apprehension roadside emission testing. • In Davao – <u>The compliance rate was initially higher than the targeted rate in 2006; but has gone down in 2007, although it still meets the target.</u> ECAP’s initial TA in the City started in mid 2006, with the convening of a multi-sector technical working group. ECAP’s partnership with the TWG paved the way for joint IEC efforts, including the conduct of “no-apprehension” roadside emission testing.

	EXPECTED RESULTS	PROGRESS (October 2004 to December 2009)																																																				
		<p>Specific accomplishments per target site are presented in the succeeding table, along with some explanatory notes.</p> <p>Percentage (%) of Diesel Motor Vehicles in the Target ECAP Sites that were Compliant with Emission Standards During Roadside Inspections (2003 - 2nd Qtr 2007)</p> <table border="1"> <thead> <tr> <th rowspan="2">Year</th> <th rowspan="2">Targets /1</th> <th colspan="4">Actual Compliance Rates</th> </tr> <tr> <th>MM /2</th> <th>Baguio</th> <th>Cebu</th> <th>Davao</th> </tr> </thead> <tbody> <tr> <td>2009 (option)</td> <td>54%</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>2008</td> <td>50%</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>2007</td> <td>45%</td> <td>36.2%</td> <td>TBD</td> <td>TBD^{/5}</td> <td>45%^{/5}</td> </tr> <tr> <td>2006</td> <td>40%</td> <td>21%</td> <td>42%</td> <td>67%^{/4}</td> <td>56%^{/4}</td> </tr> <tr> <td>2005</td> <td>30%</td> <td>31%</td> <td>n.a.^{/3}</td> <td>n.a.^{/3}</td> <td>n.a.^{/3}</td> </tr> <tr> <td>2004</td> <td>--</td> <td>42</td> <td>--</td> <td>--</td> <td>--</td> </tr> <tr> <td>2003</td> <td>--</td> <td>30</td> <td>--</td> <td>--</td> <td>--</td> </tr> </tbody> </table> <p>NOTES:</p> <ol style="list-style-type: none"> ECAP began its efforts on anti-smoke belching (ASB) in the target sites in mid 2005. So, 2005 was used as baseline year in the target-setting. That year, based on data collected from the DENR and the LGUs in Metro Manila, the average compliance rate in roadside operations was 31%. ECAP decided to use 30% as the starting point for all the target sites. Per USAID contract, the target until 2009 (the option year) is "increase by 80%" the MV compliance rate. Therefore, using 2005 as base year, with a 30% average compliance rate, then, an 80% increase means, reaching 54% by 2009. ECAP adopted the 54% as target compliance rate in all target sites for 2009. If the option is not exercised by USAID in 2009, ECAP's targets for 2008 in all cities is to reach a 50% compliance rate or "5-out-of-10 visually suspected Metro Manila data come from roadside inspection reports of anti-smoke belching units (ASBUs) of the DENR-EMB, LTO and selected LGU with active ASBUs. Before ECAP, i.e., in 2003-2004, there was a program called Bantay Usok, which vigorously implemented ASB efforts in the metropolis, thus explaining the high compliance rate in 2004. The reports from this program were used by ECAP to set the baseline. ECAP tried but was unable to obtain officially reported data for 2003-2005 on roadside inspections in the three other target sites – Baguio, Cebu & Davao. It was either: (1) there was no accurate recording of the operations or, (2) there were no roadside inspections. <ul style="list-style-type: none"> In the case of Baguio, only the LTO was conducting roadside inspections but no official data were available. In the case of Cebu, the LTO & City Government were independently apprehending smoke belchers but were not properly recording the magnitude of the operations. Data available was only for the "number of failing vehicles" but not the "total number of vehicles flagged down". So there was no way to properly determine the "compliance rate". In the case of Davao, there were no roadside operations 	Year	Targets /1	Actual Compliance Rates				MM /2	Baguio	Cebu	Davao	2009 (option)	54%	-	-	-	-	2008	50%	-	-	-	-	2007	45%	36.2%	TBD	TBD ^{/5}	45% ^{/5}	2006	40%	21%	42%	67% ^{/4}	56% ^{/4}	2005	30%	31%	n.a. ^{/3}	n.a. ^{/3}	n.a. ^{/3}	2004	--	42	--	--	--	2003	--	30	--	--	--
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	EXPECTED RESULTS	PROGRESS (October 2004 to December 2009)																																																	
		<p>either by LTO or the City Government. LTO had no testing equipment and the City Government had no legal basis to do it.</p> <p>4. By early 2006, Baguio City had started a citywide ASB roadside operations with ECAP assistance. So we were able to gather for the 1st time, actual data. In the cases of Cebu and Davao, ECAP had to conduct “no apprehension roadside & terminal inspections” to establish baseline statistics. These were conducted in coordination with the LTOs, LGUs, and selected partner transport organizations. The initial numbers show high compliance because the sampling approach was a combination of targeted sampling (w/ transport organization PUVs at their terminals) and random (roadside).</p>																																																	
2	<p>Level of fine Particulate Matter (PM₁₀) contribution from mobile sources reduced to 27,300 metric tons from 39,000, a 30% reduction to mitigate health and productivity related problems</p>	<p>TARGETS (measured as micrograms per normal cubic meter, <i>ugc/Ncm</i>)</p> <ul style="list-style-type: none"> • 2004 <u>Baseline</u> in all 4 sites – Levels all exceeding the 90ugc/Ncm standard • 2008 <u>Targets</u> in all 4 sites – “Improved levels”, with lower deviation from the standard or equal to the standard <p style="text-align: center;">ECAP Targets for TSP Level, per Site/Year (Using 2004 as base year - In ug/Ncm)</p> <table border="1"> <thead> <tr> <th>Year</th> <th>MM</th> <th>Baguio</th> <th>Cebu</th> <th>Davao</th> </tr> </thead> <tbody> <tr> <td>2004 - Base</td> <td>157-236</td> <td>204</td> <td>117</td> <td>185</td> </tr> <tr> <td>2005</td> <td>150-230</td> <td>190</td> <td>100</td> <td>150</td> </tr> <tr> <td>2006</td> <td>140-220</td> <td>180</td> <td>90</td> <td>120</td> </tr> <tr> <td>2007</td> <td>130-210</td> <td>170</td> <td>90</td> <td>90</td> </tr> <tr> <td>2008 - End</td> <td>120-200</td> <td>160</td> <td>90</td> <td>90</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Short-term (24 hr) Guideline Value = 230ug/Ncm • Long-term (1-year) Guideline Value = 90 ug/Ncm <p>OVERALL STATUS: ECAP's technical assistance appears to be positively correlated with improved TSP levels in all target sites. Air quality in two of the target sites have remained “FAIR” or within the acceptable ambient standard. These are Cebu and Davao; while the two others still breached the acceptable level, i.e., Baguio and Metro Manila. In Metro Manila, the Pasig City station air quality status appears to have worsened. The actual levels of TSP are summarized below:</p> <table border="1"> <thead> <tr> <th>Period</th> <th>MM (Roadside)</th> <th>Baguio (Roadside) P. Garden Park</th> <th>Cebu (Ambient) Banalad, Sta.</th> <th>Davao (Roadside) JPLaurel & u.Ave.-sta7*</th> </tr> </thead> <tbody> <tr> <td rowspan="3">2008</td> <td>MRT = --</td> <td rowspan="3">--</td> <td rowspan="3">--</td> <td rowspan="3">--</td> </tr> <tr> <td>NPO = --</td> </tr> <tr> <td>E.Ave = --</td> </tr> <tr> <td rowspan="3">2007-Q4 (July only)</td> <td>MRT = 343</td> <td rowspan="3">n/a</td> <td rowspan="3">n/a</td> <td rowspan="3">--</td> </tr> <tr> <td>NPO = 149.4</td> </tr> <tr> <td>E.Ave</td> </tr> </tbody> </table>	Year	MM	Baguio	Cebu	Davao	2004 - Base	157-236	204	117	185	2005	150-230	190	100	150	2006	140-220	180	90	120	2007	130-210	170	90	90	2008 - End	120-200	160	90	90	Period	MM (Roadside)	Baguio (Roadside) P. Garden Park	Cebu (Ambient) Banalad, Sta.	Davao (Roadside) JPLaurel & u.Ave.-sta7*	2008	MRT = --	--	--	--	NPO = --	E.Ave = --	2007-Q4 (July only)	MRT = 343	n/a	n/a	--	NPO = 149.4	E.Ave
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EXPECTED RESULTS		PROGRESS (October 2004 to December 2009)			
		=81.25			
2007-Q3 (June only)	MRT = 306.5	n/a	n/a	No longer monitored (within DENR standard from 2004 – Q1 of 2007)	
	NPO = 179				
	E.Ave =92.67				
2007-Q1 & Q2 (Ave)	MRT = 259	208	55.37	No longer monitored (within DENR standard from 2004 – Q1 of 2007)	
	NPO = 148				
	E.Ave =115				
2006	MRT = 314	163	92.59	59	
	NPO = 144				
	E.Ave= 105				
2005	MRT = 342	170	94.77	63	
	NPO = 163				
	E.Ave= 132				
2004	MRT = 236 (2003)	204	117	185	
	NPO = 157				
	E.Ave= 179				

Short-term (24 hr) Guideline Value = 230ug/Ncm
 Long-term (1-year) Guideline Value = 90 ug/Ncm

3 Cleaner vehicle fuels such as compressed natural gas, coco-methyl ester (CME) and Liquefied Petroleum Gas (LPG) used by national government agencies and 50 top corporation fleets and at least 50% of public vehicles in project sites to reduce harmful emissions.

2004 BASELINE:

- Biofuels – Lack of national policy on mandatory use of biofuels
- Auto LPG – Lack of standards & regulations on the use of auto-LPG for 4-wheel vehicles

2008 TARGETS (in all 4 sites)

- Biofuels – Enforcement of national policy (Biofuels Act & its IRRs) that mandates biofuels use of 1% pre-blended coco-biodiesel and 5% bio-ethanol by volume in the country
- Auto-LPG – Implementation of national standards & regulations that will increase the number of auto-LPG vehicles in the country.

STATUS

- **Overall.** Policy targets in both biofuels and auto-LPG have been met. This is expected to pave the way for expanded use of cleaner fuels in all sectors.
- **Biofuels.** The passage of the Biofuels Act of 2007 paved the way for the country-wide utilization of biofuels for transport. Pursuant to the law, all pumps and tanks must contain 1% blend of CME while leaving the use of bio-ethanol in a voluntary basis at 5% by volume. Monitoring oil companies' compliance with this mandate rests on DOE and LGUs, including our PAOs.

On the use of biofuels, ECAP, in partnership with the League of Corporation Foundations (LCF) started a survey of over 200 companies belonging to the Top 500 companies in the Philippines (according to Business World Magazine) of their involvement in energy and clean air initiatives. As of 2nd quarter of FY 2007, there are already 31 responses. Out of the 31 initial submissions, seven

	EXPECTED RESULTS	PROGRESS (October 2004 to December 2009)
		<p>(7) companies are already using clean vehicle or alternative transport fuels (i.e. biodiesel, ethanol, and LPG). They are the following:</p> <ol style="list-style-type: none"> 1. Chemrez 2. Phelts Philippines Energy Products Corporation 3. Del Monte Philippines 4. PNOC-Energy Devt Corp 5. PAL 6. Pilipinas Shell 7. Total Philippines <p>▪ Auto-LPG. With the Department of Trade and Industry - Bureau of Product Standards's (DTI-BPS) promulgation of auto-LPG technical standards on fuel quality and fuel dispensing in the first quarter of 2007, more four-wheel vehicles especially taxis are expected to switch to auto-LPG. Public awareness must be raised to ensure safety of users/commuters and the integrity of the auto-LPG industry.</p> <p>On the use of Auto-LPG by PUV-taxis, ECAP's assistance to the DTI-DOTC-DOE in promulgating the Auto-LPG technical standards and regulations in the last quarter of 2006, has facilitated the growth of auto-LPG taxi use in Metro Manila and Cebu.</p> <p>Note: Before Dec 2006: data still to be obtained from LTO; Currently: data still to be obtained from LTO</p>
4	<p>At least one (1) coalition with academic, research, and NGOs established in Luzon, Visayas, and Mindanao..</p>	<p>The fourth ER is originally not in the contract deliverables of the project for the clean air component. However, coalition-building is a key approach of the project to communicate the goal of reducing vehicle emissions.</p> <p>In the past three years, ECAP has played a very significant role in the creation of the following coalitions:</p> <ul style="list-style-type: none"> ▪ Metro Manila Anti-Smoke Belching Association (MMASBA) ▪ Clean Air Youth Alliance (CAYA) Manila and Baguio-Benguet Chapters ▪ Green Forum in Cebu City ▪ Energy & Clean Air Network of the Academe (ECADEME) in Baguio & Benguet ▪ Community-based Air Care Proponents along the Katipunan corridor <p>ECAP has also established strong partnerships with the following organizations in the conduct of our technical assistance activities:</p> <ul style="list-style-type: none"> ▪ League of Corporate Foundations ▪ Victor P. Ramos Medical Center (Formerly Polymedic Hospital) ▪ Suzuki, Kawasaki, and Yamaha (SKY) ▪ Chemrez Technologies Inc.



FY 2009: Executive Summaries of Quarterly Reports

First Quarter Report

The first quarter of FY 2009 witnessed the successful delivery of USAID's technical assistance thru the Energy and Clean Air Project. The quarter's preparatory efforts led to a succeeding period of milestone activities and ground breaking initiatives in both the energy and clean air sectors. These include the following activities: 1) Development of the Implementing Rules and Regulations of the Renewable Energy Act of 2008, 2) Conduct of the DOE Strategic Planning Workshop, 3) Solar Power Demo Project in Baguio City, 4) Full implementation of the Baguio City Anti-Smoke Belching Ordinance, and 5) Sustained CAYA initiatives in the Regions.

From October to December 2008, ECAP delivered technical assistance focused on preparing the network of agency partners, institutions, and stakeholders towards a series of activities responsive to the priority concerns of the advocacy on energy and clean air. Introduction of sustainability mechanism of the ECAP initiatives is also targeted as a main activity of the next quarter in preparation for the end of the project.

ECAP has facilitated delivery of timely response to scenarios that confronted the sectors. Specifically, efforts were focused on laying the ground work for major areas of technical assistance for the energy sector which include 1) Support for the Passage of the RE Bill and Drafting of its IRR, 2) DOE Strategic and Corporate Planning Workshop, and 3) Development of an Electricity Governance Toolkit. The passage of the RE Act in December 2008 is one of the most significant accomplishments of ECAP TA in the first quarter.

ECAP's support for the DOE focused on the development of its long-term Philippine Energy Plan for 2008-2030. ERC, on the other hand, is assisted in its implementation of activities identified in the organization's strategic and communication plan, and linked with a strategic partner from the academe specifically the Asian Institute of Management (AIM). Introduction of the academia into the project and to specific partnership endeavors surfaced as the quarter's initial efforts in transferring best practices of TA delivery to the academia for development purposes.

Delivery of TA to the clean air sector continued specifically in the following areas: 1) strengthening the anti-smoke belching (ASB) programs in ECAP's project sites, 2) improving the National Motor Vehicle Inspection and Maintenance Program, and 3) convening Air Shed Governing Boards and developing their own Air Quality Action Plans. USAID thru ECAP has maintained strong coordination with the DOTC, LTO and Office of Transport Cooperatives in improving motor vehicle inspection system and other priority initiatives.

ECAP has also provided an opportunity for local partners to learn pragmatic schemes used by international communities in adapting to the impacts of climate change by participating in the Better Air Quality 2008 Conference in Bangkok, Thailand. Overall efforts for clean air reforms contributed to better ambient air quality, as indicated by TSP readings gathered from ECAP's four project sites. First quarter showed that ambient air quality generally approached the nationally-set "safe-limit".

TA for the clean air component led to the development of ASB local ordinance in Baguio City and jumpstarted ASB operation in Davao City. Local mobilizations for the clean air initiatives add effectiveness to the overall TA delivered for the quarter.

Implementation of the activities in the first quarter considered the preconditions of the sector, such as increasing oil prices and requests for specific assistance from partner agencies which necessitate the optimization of the design of the TA. The first quarter basically falls on a season when these partners are optimizing their annual



plans and re-aligning their strategies. ECAP's role became more challenging as it focused its efforts on effectively facilitating the network of sectors, with the aim of consolidating availability of resources and flexibility of schedule of every partner.

The energy and clean air sector, in general, are faced with challenges that require the following: 1) mobilization of multi-sectoral support for major energy legislative agenda and programs, 2) building the capacity of the PUVs to improve compliance with emission standards, 3) strengthening the capability of DOTC/LTO in managing the MVIS and Special Vehicle Pollution Control Programs, and 4) sustaining the implementation of clean air reforms thru Local Government Unit's Air Quality Management. These are target strategies that should be responded with well-designed activities for implementation in the next two quarters.

Second Quarter Report

The 2nd Quarter, together with the 3rd Quarter serve as a transition period from final delivery and implementation of planned activities for 2009 to the implementation of plans of our counterparts and partners to sustain the reform initiatives for the energy and clean air sectors. The scenario is one where an increase of stakeholders' ownership of and participation in the ECAP activities is demonstrated..

USAID-ECAP's TA to the energy sector in the 2nd quarter were developed and delivered to implement ECAP's strategy of strengthening the energy sector competency by assisting the Strategic Planning Workshop of DOE and conducting the series of RTDs for the adoption of Energy Sector Governance Toolkit by DOE and ERC. ECAP used this quarter to prepare for its technical assistance to the DOE's in organizing a Power Summit this year geared towards developing the road map for the implementation of EPIRA, and used the period also for TA to the ERC in implementing its Strategic and Communication Plan.

Major activities were focused on supporting initiatives for the recently passed Renewable Energy Act of 2008. Technical and Legal Advisory support were provided to the DOE for the drafting of the IRR of the RE Act. The TA included activities that supported the development of the Renewable Portfolio Standards policy options and the conduct of write shops and regional public consultations. ECAP also firmed up the preparations for the launching of the public-private sector partnership on the promotion of RE in the city in this quarter .

Clean air initiatives in the 2nd quarter were focused on putting in place the sustainability mechanism for on-going advocacies and existing programs. ECAP provided technical assistance to LGUs in convening the Air Shed Governing Board and assisted some LGUs in drafting their Air Quality Management program that would help them tap the AQM Fund. ECAP also continued its support to the development of the NMVIS by extending TA to the DOTC's transport sector strategic planning workshops and planning conferences.

ECAP continued delivering Technical Assistance to its local partners in the clean air sector which led to the passing of two local Anti-Smoke Belching Ordinances (Quezon City and Manila City), and institutionalization of Local Air Quality Management Action Plan in Cebu City. ECAP successfully facilitated the convening of the first Air Shed Governing Board meeting in Cebu which now becomes a model initiative to be replicated in other air sheds. The League of Cities of the Philippines was also tapped by the ECAP team to join the efforts to strengthen local governance capacity for CA reforms.

ECAP also actively assisted the Clean Air Youth Alliance (CAYA) in the second quarter. ECAP assisted in widening the youth's role in advocacy for cleaner air and in increasing the level of participation in relevant CA initiatives of youth-based organizations...

The main implementation challenge faced by ECAP and its counterparts and partners in the energy and clean air sector during this quarter is strengthening the structures and improving the processes by which they can maximize the use of available resources to produce greater impact and promote the sustainability of reform initiatives. Activities were redesigned several times to respond to changes in stakeholders' availability and shifts in the priorities of our counterparts in the GRP, to take advantage of the increasing readiness of sector for institutionalization of reform initiatives, and to take advantage of opportunities created by external developments in the sector. These contributed significantly to ECAP's implementing more than what has been initially identified as its major activities work plan for 2009.

Looking towards the 3rd quarter we see a period of implementation of culminating activities which include the following: 1) Launching of the Solar Power Demo Project in Baguio City, 2) Continuing support to the write shops and public consultation on the IRR of RA 9513 or the Renewable Energy Act of 2008, 3) Facilitation of the partnership for the Energy Efficiency/Conservation On-Air Campaign, 4) Turnover of the Power Summit Policy Papers to DOE, 5) Turnover of the EGI Toolkits to DOE and ERC, 6) Launching of the DOE-AIM Partnership and MOU Signing, 7) Pursuing the promotion of clean transport technology through the Bus Rapid Transit in Davao City, 8) Continued monitoring of MVs compliance through emission testing advocacy initiatives of partner LGUs, and 9) Enhancement of the role of LGUs.

Third Quarter Report

The accomplishments of ECAP in the third quarter of FY 2009 were mainly about creating and strengthening mechanisms to ensure sustainability of programs and partnerships created by the project in the past five years. Henceforth, the months of April, May, and June, saw ECAP and its partners work together to put in place processes increasing the ownership of energy and clean air partners in Manila, Davao, Cebu, and Baguio on activities initiated by The Project.

Collectively, the 2nd and 3rd quarters served as transition periods for ECAP to maintain the momentum created by reforms, advocacy, and public-private collaborations in the energy and clean air sectors. This quarter especially prepared ECAP partners for the turnover of responsibility signaling increased ownership of initiatives for sustained pursuance of reforms in the energy and clean air sectors. Towards this end, ECAP spearheaded follow-thru activities on important projects seen to stimulate and encourage implementation of related initiatives by partners beyond ECAP.

Fourth Quarter Report

The penultimate quarter of ECAP's option year is thus seen as a period of implementation of culminating activities such as: 1) Launching of the Solar Power Demo Project in Baguio City, 2) Continuing support to the write shops and public consultations leading to the signing of the IRR of RA 9513 (Renewable Energy Act of 2008), 3) Facilitation of the development of a partnership Energy Efficiency/Conservation On-Air Campaign, 4) Public presentations of the DOE Power Summit Policy Papers, 5) Turnover of the EGI Toolkits to ERC and DOE, 6) Launching and MOU signing of the DOE-AIM Strategic Partnership, 7) Pursuing the promotion of clean transport technology through Bus Rapid Transit in Davao and Cebu, 8) Continued monitoring of MVs compliance through emission testing advocacy initiatives of partner LGUs, 9) Enhance partnership with LGUs for ECA initiatives, and 10) Official opening of Clean Air 10 Celebration commemorating the 10th year anniversary of the passage of the Clean Air Act.

For the energy cluster, ECAP's technical assistance for this quarter were proactive responses to outlined strategies strengthening the competency, participation, and transparency apparatuses of the DOE and ERC. The signing of the MOU between the DOE and AIM, the turn over of the Electricity Governance Toolkit, strategic assistance to



the drafting and implementation of the ERC Communications Plan, and the implementation of the RE Law are the milestones achieved by ECAP's technical assistance for this quarter.

The 3rd quarter also firmed up the preparations for the launching of the public-private sector partnership on the promotion of RE in the city. New partners were recruited for the Baguio Solar Power Demo Project and two additional RE in the city projects are in the pipeline: Solarization of the Miriam College Environmental Study Institute research laboratory and Mandaluyong City *Lingap Karunungan* Education and Training Center for Special Children.

Clean air initiatives in the 3rd quarter by ECAP were likewise focused on putting in place sustainability mechanism for advocacies and improved policy program implementation. ECAP worked primarily with DOTC and local government units in supporting the NMVIS and BRT and drawing up air quality management plans, respectively.

ECAP extended TAs to DOTC covering their strategic planning work shops and planning conferences. Technical assistance for their regional and local offices also resulted in sustained anti-smoke belching campaigns in ECAP project areas. Exploratory meetings with the League of the Cities of the Philippines (LCP) also produced commitments from the federation of local government units for steady CA reforms by LGUs. Finally, ECAP played a pivotal role in the convening of LGUs and CA partners around the country to commemorate the 10th year anniversary of the passage of the Clean Air Act and more importantly, to draft a CA national roadmap and plan of actions for the next ten years.

Despite these accomplishments in the third quarter, various challenges in the energy and clean air sectors kept ECAP guardedly optimistic about the future. Maximization of the remaining resources in the option year somehow limited the administrative capacity of ECAP to implement projects outlined in the work plan. Instead of being discouraged however, the project saw this as an opportunity to improve on strategies and optimize engagements with counterparts and partners.

As a result, several activities were redesigned to accommodate and take advantage of the timely developments in the energy and clean air sectors. The first of these developments was the passage of the RE Law and the subsequent need to draft and implement the corresponding IRR. The second is the tenth anniversary celebration of the passage of the Clean Air Act. With these twin developments, ECAP was able to work with ECA partners during the third quarter and achieve more and beyond the activities outlined for completion in the extension year.

Looking beyond the third quarter, ECAP looks back at the option year and the five year project and assess what have been achieved and what have been missed. It will ponder about targets met and expectations exceeded while reflecting on opportunities lost and ways on moving further and farther.

For the fourth quarter, ECAP shall make possible the: 1) Launching of the Solar Power Demo Projects in Baguio City and jumpstart discussions for its replication in Mandaluyong City and Miriam College; 2) Continuing support to the ERC for the implementation of its strategic and communications plans, 3) Facilitation and development of clean air action-plans, 4) Establishment of mechanisms for enhanced role of LGUs in undertaking ECA initiatives, 5) Publishing and distribution of AQM Toolkits, and 5) Steady support to the DOE through the DOE-AIM Program Planning and Implementation Team (PPIT).

Collectively, these culminating activities accentuate the results of the synergy from partnerships and alliances, which are expected to continue the work on energy and clean air beyond ECAP's project life.



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Detailed Descriptions of Activities per Quarter

First Quarter Activities - Energy

Implementation Support for ERC's 2007 Strategic Communications Plan - Updates October & November 2008

Description

For this quarter, ECAP continued to support ERC's implementation of its Strategic Communications Plan. In two (2) separate meetings, ERC and ECAP discussed priority activities that will be implemented and will form part of the Project's communications support for ERC. The following activities were identified, that requires ECAP assistance:

Manualize the ERC brand and develop the content for the ERC fact sheet on open access and retail competition. ERC's Public Information Division proposed to reconvene the Communicators' Network that was created during the development of the ERC Communication Plan. The Network's task is to provide inputs to enhance the ERC brand and develop ERC's communication materials. It was agreed that ERC will develop the project design outlining and scheduling the major tasks to be undertaken.

Enhance collateral materials on open access and retail competition. ERC's Market Operations Service discussed how ECAP can assist in promoting open access and retail competition, a forthcoming major milestone reform under the EPIRA. ECAP committed to assist MOS through design enhancement and copy editing of the existing collateral materials on the topic.

Energy Sector Planning - DOE Philippine Energy Plan Public Consultation in Davao City 9-10 October 2008

Description

The Consultation was formally opened by Mr. Vicente Lao, Chair of the Mindanao Business Council and DOE Undersecretary Zamzamin Ampatuan. Several local government executives from Regions 11 and 13 were in attendance with around 250 participants. There were plenary presentations on the planning framework; sectoral plans and programs related to upstream energy sources, downstream oil and gas, renewable energy, alternative fuels & energy efficiency and conservation; and the regional development prospects and demand for energy. I was requested by DOE to facilitate Workshop Group 4 on Power, Rural Electrification and ER 1-94.

Among the major issues raised during the Plenary Session were as follows:

Looming power shortage in South Mindanao considering the 2007 Grid Capacity and Demand. As a major load center, South Mindanao has peak demand of 541MW but with dependable capacity of only 325MW since the biggest power plants are located in the North. It therefore has a reserve of -216MW compared to -63MW in West Mindanao and

720MW in Northern Mindanao where the Agus Hydro Complex is.

Continued overdependence of the Mindanao Grid on hydro which accounts for 50.9% of its generation mix. This is followed by coal 20%, oil-based 17%, and geothermal 11%.

Bringing PEP on the ground so local stakeholders can take part in market and resource assessment as well as planning for energy supply expansion. This was the challenge posed by Undersecretary Ampatuan.

DU Capacity Building on Open Access and Retail Competition – IFC TA to Mindanao ECs on Power Supply Contracting October 2008

Description

ECAP met with IFC technical advisors, Julinette Bayking and Jed Sevilla last 22 October 2008 to learn more about IFC’s TA to Mindanao ECs on Power Supply Contracting and explore possible areas of collaboration. IFC has an on-going training on Power Supply Contracting in Mindanao and intends to replicate this in other regions. With this information, ECAP will review its original plan to do similar training in Panay as it may be covered by future IFC projects. IFC suggested that ECAP may consider bringing the training to ARMM ECs not covered by their current program. Possible areas of collaboration include:

1. ECAP can handle capacity building for ECs in off-grid, especially SPUG, areas to prepare them for eventual private sector investment and participation. IFC will focus on transactions.
2. Renewable energy development including pilot projects in off-grid areas, where ECAP can handle capacity building for ECs, power resource assessment.
3. Continued assistance to PEZA on its power supply sourcing, contracting and regulation. ECAP will update IFC on USAID, specifically TAF, plans for PEZA.

**Adoption of an Energy Sector Governance Toolkit - ERC
23 October 2008, ERC Boardroom, Pasig City**

Description

During this quarter, ECAP, through its consultant Mr. Alan Cajes and ASOG – ECAP PAO Coordinator Amihan Perez, facilitated the last step towards the finalization of ERC’s electricity governance toolkit. Last 23 October 2008, a meeting was conducted with key ERC Directors Baldo, Tomas, and Villa to validate and clarify ERC’s responses as reflected in the toolkit.

As a background, the institutional development index (IDI) is a contractual requirement of ECAP to USAID. To deliver this output, ECAP has tasked ASOG to spearhead the adoption of an energy sector governance toolkit from the Energy Governance Initiative (EGI) of the World Resources Institute. A series of RTDs has been conducted for purposes of jointly developing with ERC the long-list of indicators, shortlist, and assisting said agencies in self-assessment using applicable indicators.



**Coordination Meetings with Mindanao Distribution Utilities - COLIGHT and MAGELCO
6 November 2008, Cotabato City**

Description

ECAP together with USAID separately met with the general managers of COLIGHT and MAGELCO to conduct a quick assessment of the impact of the CWD program on the customer service operations of said distribution utilities. As a background, ECAP and ERC launched the Consumer Welfare Development (CWD) Program in 2006 through a series of nationwide customer service trainings for Consumer Welfare Desk officers of DUs. This Program trained almost 90 officers and produced 15 customer service trainers.

During the meetings, the GMs of COLIGHT and MAGELCO indicated that the basic training on customer service benefited them and their customers. The feedback provided by the DUs will serve as ECAP's bases for refining ECAP's follow on assistance to the CWD Program implemented by ERC.

**ERC-AIM MOU Signing
24 November 2008, Discovery Suites, Pasig City**

Description

After a series of collaborative activities on strategic planning, ERC and AIM formally sealed their partnership on 24 November 2008 through the signing of a Memorandum of Understanding (MOU). The two organizations' top officials, ERC Chairperson Zenaida Cruz-Ducut and AIM President Francis Estrada signed the MOU, witnessed by commissioners and officials from ERC and its other partners.

ERC shared the momentous occasion with invited officials from prestigious universities and academic institutions that can potentially serve as ERC's partners in the future. ERC's Executive Director, Atty Nino Juan, shared with the participants the Commission's accomplishments and its major plans in the coming years. USAID, represented by Ms. Aurelia Micko, congratulated both ERC and AIM and highlighted the importance of strong and independent regulation in light of the trend to re-regulate due to the global financial crisis. As a background, the joint activities of ERC and AIM were all supported and facilitated by ECAP.

After the MOU Signing, the participants proceeded with a roundtable discussion to explore what trends in power regulation the government and the academic sector should jointly address and to identify what activities can be pursued cooperatively.

**Meeting of the Technical Committee on Petroleum Products and Additives (TCPPA)
30 October 2008, DOE**

Description

As part of ECAP's continuing support for the implementation of the Biofuels Act, ECAP attended the TCPPA meeting that was convened to discuss the draft report on the phase-out program for harmful additives in gasoline. During the meeting, the DOE Oil Industry Management Bureau (OIMB) presented the draft report, in particular, the definitions of harmful additives. ECAP, through its consultant, Ms. Nenet Graza and in partnership with the Technological University of the Philippines (TUP), provided advisory support to OIMB in this undertaking.

It was agreed that the next steps would be as follows a) harmonization of this definition with respect to environment, health and vehicle engine; b) development of the phase-out scheme; and c) design of the public consultation on the draft program and DOE circular that will implement it.

**Passage of the Renewable Energy Act
16 December 2008, Malacañang Palace**

Description

The Renewable Energy (RE) Act was finally signed into law by President Gloria Macapagal-Arroyo in the presence of its authors from the Senate and House of Representatives and key stakeholders last 16 December 2008. The short signing ceremony in Malacañang, which was conducted as an Energy Month activity, signified the culmination of 19 year's worth of work towards the passage of a legislation that would increase the utilization of RE in the country and create a local market for its applications.

This is also a success story for the DOE and the RE Coalition, which have both been supported by ECAP in various efforts towards the passage of the RE Law. Prior to the enactment, ECAP continued to work with these two organizations this quarter and specifically discussed the game plan and timeline for the drafting of the RE Act IRR. ECAP has committed to provide legal and technical advisory support as well as implementation support for the public consultations. ECAP will also support the production of different collateral materials on the Act.

**Presentation of the Discussion Paper on Renewable Portfolio Standards to DOE
14 November 2008, DOE**

Description

ECAP, through its RE Advisory Team composed of consultants, Ms. Arlene Lafrades and Dr. Peter Lee U, presented the findings/results of the assessment on renewable portfolio standards (RPS) to Director Mario Marasigan of the Energy Utilization Management Bureau (EUMB). This assessment is ECAP's response to DOE's need to strengthen the implementing rules and regulations (IRR) of the RE Bill. The output is a discussion paper that assesses the RPS policy in relation to electric power industry reforms, rural electrification, resource availability, RE market, and other related policies.

Discussions that ensued after the presentation provided both ECAP and DOE opportunity to clarify assumptions and update details of the discussion paper based on the bicameral version of the RE Act. These became the basis for the Team's revisions of the report which will further expand to technical advisory assistance for the drafting of the IRR and the conduct of nationwide public consultations.

**Meeting with ECO-Asia re: Regional Biofuels Study
17 November 2008**

Description

ECAP joined OEE in meeting the ECO-Asia Philippine research team to discuss the regional biofuels assessment initiative that also covers the countries of Malaysia, Singapore, Indonesia and Vietnam. The research team headed by Laurie Navarro, ECO-Asia country representative, discussed preliminary ideas and perspectives on biofuels in the Philippines and how this can contribute to the regional program. Among the issues raised were impact on food security, climate change, and supply side concerns.

ECAP shared its efforts in developing the Philippine National Biofuels Program, the ASEAN database project headed by PDOE, and the RE and Biofuels Program of ADB in the Greater Mekong Sub-region. ECO-Asia promised to share the results of the Philippine assessment to USAID Manila.

On another note, ECO-Asia also discussed the Asia Clean Energy Business Accelerator (ACEBA) program that will provide free advisory services to clean energy start up projects. A road show was scheduled in the Philippines by January 2009.

**Meeting with Philbio re Community-level Biogas Digesters
2 October 2008, Pasig City**

Description

ECAP met with the president of Phil-bio, the Executive Director of Asia-Bio Group Foundation, and their senior staff to discuss possible collaboration on the promotion and development of small biogas digesters at the community level. Potential target sites include Cebu (for a biogas demonstration project) and Baguio (for municipal waste handling and mini-hydro revival in Camp John Hay). Philbio is also willing to support a lecture series on biomass, biogas, and mini-hydro.

**GIS RE Resource Assessment Meeting
3 October & 10 December 2008, Manila Observatory**

Description

USAID and ECAP explored the possibility of supporting Manila Observatory's nationwide Remote Sensing GIS-based Analysis of Renewable Energy Resources. For Phase 1, a RE Atlas may be developed for wind, solar, hydro without one (1) year. Demand outlook such as demographic data and poverty and poverty updates are also part of the study. As a next step, the group is exploring the possibility of organizing a RTD to determine the level of interest and support for the activity, spatial literacy of concerned government agencies, and capacity-building requirements.



**Technical Session on Biofuels with GMA Network Administrative Service
22 October 2008, GMA Fleet Center, Quezon City**

Description

ECAP organized a technical session with the Administrative Services of GMA Network to brief them about the technical side of biofuels. This session is in preparation for the planned pilot testing of a GMA Network vehicle to use higher blends of biodiesel. ECAP invited Mr. Philip Argamosa of the Technological University of the Philippines (TUP) and Mr. Carlos Palad of Chemrez Technologies, Inc. to serve as resource persons for the session.

During the meeting, the resource persons discussed 1) the main benefits of using biofuels, 2) results of preliminary studies in the Philippines and abroad of using higher blends of biodiesel in vehicles, and 3) anticipated effects on the vehicle engine with higher blends.

TUP and Chemrez offered assistance in the pilot testing in the form of free advisory and monitoring of the vehicle emissions and possibly free biodiesel for the demonstration, respectively. If this activity pushes through, GMA7 will be the first in the Philippines to have a vehicle that will run on 5% blend of biodiesel.

This initiative is follow-on to ECAP and GMA Network's seminar series on clean energy and vehicle preventive maintenance for its fleet drivers, conducted in August and September 2008.

**Meeting on the RE Photo Exhibit with Camera Club of the Philippines
3 December 2008, DOE**

Description

DOE-CWPO invited ECAP to join them in an exploratory meeting with the Camera Club of the Philippines (CCP) to discuss a possible collaboration for a photo exhibit on RE. In preparation for the coming enactment of the ratified RE Bill, the DOE is planning to do an advocacy activity, specifically a photo exhibit that would showcase the different RE sources/sites in the country.

Initial ideas that have been discussed during the meeting included the following: 1) RE 101 for members of the CCP, 2) Eco/Photography tour to various RE sites in the Philippines, and 3) mobile exhibit that would be brought to certain sites coinciding with the anticipated public consultations on the RE Act IRR. The group agreed to develop a concept paper which will give an overview of the Project for further improvement and detailing by the parties and other possible partners.



Energy Investment Forum 11 December 2008, Makati	
<i>Description</i>	<p>ECAP participated in the annual Energy Investment Forum of DOE and provided minimal support through collateral materials. The forum gathered various investors and financial institutions to discuss updates on NPC privatization, SPUG private sector participation, energy exploration, and renewable energy.</p>
League of Municipalities of the Philippines (LMP) Exhibit 19-21 November 2008, Manila Hotel	
<i>Description</i>	<p>ECAP participated in the 2 ½ day exhibit at the General Assembly of the LMP together with other projects of the USAID OEE. The exhibit featured the initiatives of ECAP which may be replicated at the LGU level. ECAP partners, the Ateneo School of Government and the Clean Air Youth Alliance Manila helped man the exhibit.</p>
Harvard Business School Study Visit to Baguio & Benguet 28 December 2008 – 5 January 2009, Baguio City	
<i>Description</i>	<p>Three (3) Master of Business Administration (MBA) students from the Harvard Business School, USA visited Baguio City to conduct a short study on the Asin Mini-Hydro Electric Plant from 29 December 2008 to 6 January 2009. ECAP requested the assistance of Mayor Bautista and Benguet State University (BSU) in making their staff who are directly involved in the project or who have the technical expertise in the area of renewable energy, especially in the Cordilleras, available for consultation during the visit.</p> <p>The students worked with the officials and staff of City Engineer's Office on the business options of Baguio City regarding the operation of the Asin Mini-Hydro Electric Plant.</p>

First Quarter Activities – Clean Air

Collaboration Initiatives with Clean Air Partners (November to December 2008)	
<i>Description</i>	<p>As part of the continuing assistance provided by USAID through ECAP to the Philippine government, the project maintains strong coordination with Department of Transportation and Communications (DOTC), Land Transportation Office (LTO), and Office of Transport Cooperatives in improving the motor vehicle inspection system of the country. Below are brief highlights of the coordination meetings:</p> <p>Finalization of the Budget for the Implementation of the Country's National Motor Vehicle Inspection and Maintenance Program (NMVIMP), 13 November, ECAP Office</p>

Upon request of the DOTC, ECAP met with the staff of Dir. Patdu to finalize the detailed budget requirements and timeline of the proposal entitled "Planning Support and Capacity Building for DOTC and LTO on the Implementation of a Philippine NMVIMP." This project will enable the DOTC and the LTO to chart the government's course of action for the NMVIMP. A total amount of PhP16M was budgeted by the DOTC for this project for bidding early next year. As a background, ECAP assisted the DOTC in developing the overall TOR for the Program.

5th PETC National Execom Meeting, 4 December 2008, DOTC Conference Room

USec. Lontoc of DOTC convened the 5th PETC National Executive Committee Meeting, which was attended by LTO Chief Asec. Suansing and the PETC Inter-agency TWG members to discuss the operational issues related to the current performance of emission testing centers in the country. Issues discussed and agreements formed during said meeting included the following:

LTO was directed to draft a Department Administrative Order (DAO) mandating the use of protective gear by Motor Vehicle Emission Control Technicians of the PETCs. Said DAO should be issued by 15 December 2008.

Proposed revisions in Annexes B and C of the Phil. Clean Air Act were discussed. In particular, mandating emission testing centers to comply with the following: a) adoption of 2,500rpm test in spark-ignition MV engines emission testing, b) use of tachometer for diesel-fed MVs emission testing; c) use of an adapter or water trap in testing motorcycle or tricycle smoke, and d) the need to harmonize the LTO's authorization and DTI's accreditation requirements through a Joint Administrative Order (JAO). The JAO will, require all PETC applicants to submit a business plan to prove that they can viably operate in the applied location based on its capacity and local MV demand.

ECAP was requested to provide the specifications of gas mask, similar to the masks provided by USAID-ECAP to the LTO enforcers in 2007 and to submit comments on the draft Protocol of Operation of the Motor Vehicle Inspection Centers of the LTO. The next meeting of the NEC members will be on 5 February 2009, 10am at the DOTC.

DOTC-LTO-ECAP Coordination Meeting, 8 December 2008, DOTC Conference Room

ECAP met with Dir. Patdu of DOTC and Asec. Suansing of LTO and presented the continuing technical assistance of the Project in pursuing the implementation of the NMVIMP. Also part of the agenda were 1) the effort to build the management skills of the Project Management Staff of the DOTC Special Vehicle Pollution Control Program, 2) implementation of LTO's MVIS, and 3) current issues on PETCs operation.

Formulation of a National Environmentally-Sustainable Transport (EST) Strategy, 12 December 2008, UP NCTS

USAID through ECAP participated in the formulation of a National EST Strategy for the Philippines in a 1-day consultation workshop spearheaded by the UP NCTS last 12 December 2008. The EST is intended to increase public awareness and acceptance of transport activities and lifestyles with reduced environmental loads. There were about 35 representatives of various government agencies and LGUs who participated in the event. ECAP is a partner of UP-NCTS and DOTC in advocating EST through the promotion of Bus Rapid Transit (BRT) in ECAP partner cities in Cebu and Davao.

A Discussion Forum with Mayor Enrique Peñalosa of Bogota on Bus Rapid Transit (BRT), 10-11 Nov. 2008, Casino Español de Cebu, Cebu City

Description



E. Peñalosa presented the BRT project in Bogota to the senior government officials of Cebu, Lapu-lapu, Talisay, and Mandaue cities last Nov.10, 2008 at Casino Español de Cebu, Cebu City

Through the leadership of Mayor Tommy Osmena, the prospect of having a BRT in Cebu is gaining headway. The City Government, in partnership with ECAP and CAI-Asia, sponsored a 2-day multi-sector forum series last Nov 10-11, to educate the city government officials of Talisay, Cebu, Mandaue, and Lapu-Lapu and their constituents on the benefits of a BRT for Metro Cebu and to prepare them for its eventual development in the province. BRT's international advocate, Mayor Peñalosa, was invited to serve as special guest and lead resource person.

Public feedback was favorable, with mayors of other neighboring cities expressing their support for an inter-city mass transport system. The USAID-funded Pre-Feasibility Study for a BRT in Greater Metro Manila Area was largely instrumental in convincing the DOTC to provide funding for Cebu City's feasibility study, which will start soon, as well as during the forum discussion on the cost of a BRT project. ECAP continues to support BRT advocacy for Davao and Cebu in its year 2009 work plan.

**USAID-ECAP Participation in Better Air Quality 2008
12-14 November 2008, Queen Imperial Hotel, Bangkok, Thailand**

Description



BAQ 2008 Philippine Delegates, November 2008

The USAID sponsored ECAP LGU partners in Baguio, Cebu, and Davao to attend the BAQ 2008. This undertaking provided the delegates an opportunity to learn pragmatic schemes used by international communities in adapting to the impacts of climate change at the local level. The Conference also offered a chance for ECAP LGU partners to establish networks with advocates, experts, and policy-makers

from climate change organizations and representatives from different countries, as well as share local experiences.

A climate change planning framework and action planning focused on adaptation and mitigation were initiated immediately by the USAID-sponsored LGU participants (*Baguio, Cebu, and Davao*) after the conference. According to Cebu City government partner, Vice-Mayor Rama, the Better Air Quality 2008 Conference sparked the interest of the City government of Cebu to organize a "Metro Cebu Summit on Air Quality and Climate Change," which was intended to convene the Metro Cebu airshed governing board (ASGB) for the first time since the Clean Air Act was passed and its implementation was approved in 2000. The action planning process integrated air quality initiatives as well as the climate change-related activities into a single comprehensive climate change adaptation/mitigation program for each LGU.

Coordination and Collaboration Meetings with Local Clean Air Partners In Pursuing Clean Air Reforms, November – December 2008

Description

The USAID through ECAP continuously work with local city governments and stakeholders of Baguio, Cebu, Davao, and selected Metro Manila cities in improving its governance capacity by means of partnership. This partnership seeks to institutionalize sustainability mechanisms for local clean air reforms such as mobilizing airshed governing board (ASGB) members in developing a comprehensive and complementary air quality management program within its airshed areas covering ECAP project sites. For this quarter, ECAP met with the local partners in preparation for these enormous tasks of convening the various ASGBs of Metro Cebu, BLIST, Davao City, and Metro Manila. Below are highlights of coordination meetings organized by ECAP with partners LGUs.

- **EMB-ECAP Coordination Meeting, 27 November 2008, EMB Regional Office in Cebu City**

The USAID through ECAP Manila together with USC-PAO met and briefed the newly designated Environmental Management Bureau (EMB) Regional Director Luego on the plan of Cebu City government to help convene the principal members of the Metro Cebu ASGB. During said meeting, ECAP was able to facilitate the issuance of an invitation letter to the Cebu City government for the December meeting convened by EMB ASGB Secretariat for the Executive Committee of the Metro Cebu ASGB. Director Luego agreed to provide a technical person to serve as resource person during the Cebu City-led Air Quality Management Planning Seminar-Forum for the Metro Cebu Local Government Units which was planned for 15 December. The main items for the forum include the development of work and financial plans of the participating LGUs. ECAP was requested to participate as resource person and provide technical secretariat support during the forum. The meeting also serves as a courtesy meeting to officially introduce ECAP Regional Director Luego.

- **USAID/ECAP-CAI/PCA Coordination Meeting, 12 December 2008, Ortigas Center, Pasig City**

USAID together with ECAP participated in a meeting last 12 December 2008, organized by the Partnership for Clean Air (PCA) and Clean Air Initiative (CAI) - Asia and discussed initiatives that will be jointly undertaken by major partners in preparation for the 10th year anniversary of the Clean Air Act in June 2009. The development of an Air Quality Management (AQM) Toolkit for LGUs and the conduct of a Clean Air Conference were major activities that were identified by the group. The AQM toolkit shall contain an assessment of the gaps, opportunities, and good practices of LGUs in managing their air quality and this shall be launched during the June 2009 culminating event. The Undersecretaries' Meeting, which was initially organized and convened by ECAP, will be continued by PCA. The meeting was found to be a good venue for senior government officials in resolving emerging clean air issues.

During the meeting, ECAP also proposed to work with PCA and LCP to conduct a survey of cities prior to the LCP General Membership Meeting scheduled in February 2009.

- **Exploratory Meeting with Baguio City Environment and Parks Management Office (CEPMO) Chief, 22 December 2008, Baguio City Hall**

USAID-ECAP met with CEPMO Chief, Ms. Colleen Lacsamana and discussed the ongoing and pending technical assistance for the Baguio city government. The meeting agenda included the following: 1) joint partnership in emission compliance monitoring of PUVs, convening of the BLIST (Baguio, La Trinidad, Itogon, Sablan, Tuba) AGSB members



and development of air quality management action plan by BLIST-LGU, and implementation of the Baguio City Anti-smoke Belching Ordinance.

In pursuing airshed-wide clean air reforms, the city government confirms the need to develop individual air quality management work and financial plans for each member of the BLIST (Baguio, La Trinidad, Itogon, Sablan, Tuba) ASGB, which will be submitted to the DENR-EMB for Air Quality Management Fund (AQM) support. The AQM planning workshop can be initially done by the city government of which the output can serve template document for other BLIST LGUs. It is expected that all members of the BLIST ASGB will develop and implement local air quality management program their respective localities. The AQM is a potential source of funds to support the implementation and sustainability of clean air initiatives of BLIST ASGB members.

Mini-Roundtable Discussion with Cebu City Government Partners in Pursuing Air Quality Management and Climate Change Programs, 27 November 2008, Cebu City Hall

Description

As an offshoot of the participation of Cebu City Councilor Nestor Archival in the Better Air Quality (BAQ) Conference last December 2008 in Bangkok Thailand, a mini-discussion on developing a city-wide air quality management program of Cebu City was organized by the city government. This initiative was led by Cebu City Vice-Mayor Rama, Councilor Archival who is the Chair of Committee on Environment, and Ms. Delight Baratbate, Deputy Executive Director of the CITOM, with support from the ECAP-USC PAO. The need to facilitate the access of the Air Quality Management Fund by the cities in Metro Cebu in order to support various LGU-based clean air programs was identified as the priority post-BAQ activity that the city government of Cebu would like to lead and pursue.

Upon request of Vice-Mayor Rama, the USAID through ECAP presented to the city government officials, the background of the overview of the ASGB and AQM highlighting the legal basis, guidelines, facts, issues, and proposed options in accessing the AQM. At the end of the mini RTD, the city government of Cebu agreed to: 1) lead a 1-day seminar-workshop for the Metro Cebu LGUs in Dec 15th to guide them on how to prepare their air quality management action plans; 2) develop an integrated airshed action plan to be led by Cebu City for submission to and endorsement of the Metro Cebu ASGB ; 3) request DENR Secretary Lito Atienza to convene the Metro Cebu ASGB principal members sometime; and 4) organize the workshop and cover expenses of the event with ECAP assistance.

Similar events and assistance shall be replicated in other ECAP sites, like Baguio and Davao cities.

LTO Davao Kicks-off Anti-Smoke Belching Operations, November 11, 2008, Davao City

Description

Davao LTO partner enforcers commenced its regular anti-smoke belching operations last 11 November 2008, right after these local enforcers completed their certification training done by TESDA. This roadside inspection operation will be done on a daily basis. LTO Davao will also be conducting their MV free emission testing in partnership with ADDU-PAO as part of their advocacy campaign to improve the compliance level of diesel-fed motor vehicles plying within the Davao. During this quarter, out of the total 154 MV units flagged down for roadside emission inspection, only 38 MV units or 25% of the MVs tested passed the emission standards.

USAID through ECAP-PAO in Davao City facilitated the roadside emission inspection training of 21 Davao LTO anti-smoke belching (ASB) enforcers. Since 2006, ECAP helped build the capacity of the LTO through series of roadside apprehension trainings, provision of ASB tools and safety gears, and advocacy support. LTO-Davao has now formed 3 teams of anti-smoke belching enforcers and has procured 3 new opacimeters through the DOTC's Special Vehicle Pollution Control Fund. ECAP provided LTO-Davao a list of suppliers for the 3M masks and other safety gears, which they would like to purchase using the DOTC-SVPC funds.

Baguio City Clean Air Ordinance Launching Ceremony, 23 December 2008, Baguio City Multi-purpose Hall

Description

USAID through ECAP attended the launching ceremony of Baguio City Clean Air Ordinance. The launching was spearheaded by Vice Mayor Daniel T. Farinas, together with Baguio City Councilor Erdolfo Balajadia, who is the author of said ordinance. The ceremony was participated in by about 50 partners from local transport groups, represented by Mr. Jonie Itliong of FEJODABB, EMB-CAR, non-government organization, city legal office, academe, and youth who also offered full support and commitment to make the local ordinance work by monitoring the compliance level of MV owners of their respective sectors. The Baguio City Anti-Smoke Belching Ordinance which is expected to be fully implemented by January 2009 empowers the City government to enforce emission standards and compel owners of motor vehicles plying within the city periphery to reduce smoke emissions.



City Baguio City Vice Mayor Daniel T. Fariñas led the launching ceremony of the Clean Air Ordinance

The USAID-ECAP through its UC-PAO provided package of technical assistance aims to improve the enforcement capacity of Baguio City LGU. A series of technical trainings, including the provision of smoke testing equipment, and technical and legal advisory support was supported by USAID-ECAP. Free MV emission testing advocacy campaigns were conducted right after the launching ceremony. This was followed by a 3-day training to educate mechanics and drivers



on Preventive Maintenance for vehicles, use of alternative fuels, and proper driving habits intended to increase the compliance level of transport groups with the CAA.

Series of Free Emission Testing Activities in ECAP Sites, 23 & 24 December 2008

Description

USAID –ECAP through its Project Area Offices in Baguio, Cebu, and Davao Cities conducted a series of emission compliance monitoring for motor vehicles in collaboration with the city government partners. Following are the results of the monitoring initiatives:

Davao City, 18 December 2008. Out of the total 100 diesel-fed MVs tested, only 27 passed the emission standards, which is 27%. This roadside emission testing with no apprehension was conducted by 21-member LTO enforcers. During said roadside operations, ECAP assisted LTO enforcers in the advocacy campaign for cleaner engines, use of clean fuels as well as proper driving to avoid road accidents.

Baguio City, 23 & 24 December 2008. 11 out of the total 13 diesel-fed MVs tested or 85% passed the emission standards during the roadside emission testing operations conducted. The sudden change in weather caused the cancellation of emission testing operation and limited the number of MV units inspected. This roadside emission testing advocacy campaign was conducted by 20 Baguio City government volunteers and CAMU enforcers, together with UC-PAO.

Trainers' Training on Preventive Maintenance, Use of Clean Fuels, and Proper Driving Habits, 16-18 December 2008, University of the Cordilleras, Baguio City

Description

USAID-ECAP through UC-PAO in partnership with Texas Equipment, Inc. and Baguio City Environment and Natural Resources Office (CEPMO) conducted a *Trainers Training on PMI* for 78 participants from transport groups, academia, private sector, and government agency partners. PMI serves as a useful skill for motor vehicle owners in ensuring that MV engines will remain emission-free. The training highlighted several tips on the use of clean fuels and proper driving techniques to guide motor vehicle owners on how to improve engine efficiency. Correlation between engine efficiency (similar to MV engine) and production output of a plant was expertly illustrated by a technical resource person from Texas Equipment, Inc., which provided a clearer picture to prospective PMI trainers on how PMI should work.

**Project Area Offices Workshop
7-8 October 2008, ECAP Office**

Description

ECAP conducted a two-day consultation workshop for its PAO coordinators and assistant coordinators. The first part focused on their respective work plan for the option year while the next part discussed project management concerns such as staffing and operational concerns. Participants were also given updates on national energy and clean air initiatives.



USAID-DOE Energy Programs Annual Implementation Review

10 November 2008, Linden Suites

Description

ECAP participated in the annual implementation review conducted by USAID OEE. DOE Undersecretary Zamsamin Ampatuan and ERC Commissioner Rauf Tan thanked the USAID for the three energy programs under its wings: AMORE, SEDP and ECAP. They also expressed hope that said TA will be continued despite the end of these projects life by September 2009. USAID presented the strategic framework for USAID-GRP bilateral agreement and discussed the focus of the next energy programs. ECAP was tasked to facilitate the discussion.

Program Management Visit to Baguio City

16-19 November 2008, Baguio City

Description

The ECAP Team composed of RGoco, JBufi, and APalmaria visited Baguio City for the following activities:

Meeting with Baguio City Mayor Bautista and City Planning Officer Atty. Orig (17 November 2008). The ECAP team paid a courtesy call on Mayor Bautista and met with Atty. Orig of the City Planning Development Office (CPDO), separately, to discuss the Project's pipelined assistance for the city for FY 2009. Following are the highlights of the meetings:

Mayor Bautista's address during that morning's flag ceremony talked about the TA efforts of ECAP to the city in the area of clean energy and clean air and the City's plans to intensify air quality management efforts; Mayor Bautista expressed his support on the following activities pipelined for Baguio City: 1) Development of a local energy plan for Baguio, 2) study visit of Harvard University students, 3) implementation of a demo RE project in Burnham Park, and 4) formalizing the City's partnership with the ECADEME and other academic institutions; Atty. Orig shared to the team that the City Council has passed a resolution to develop an energy plan for Baguio city; and ECAP and the CPDO shall start planning for the energy plan development in December 2008 in preparation for the full commencement of the initiative in January 2009.

Program Management Orientation for the UC-PAO (17-18 November 2008). The new ECAP PAO team was given an orientation on the ECAP work plan, program management matters, as well as administrative, financial, and contractual processes.

Meeting with Benguet State University – Affiliated Non-conventional Energy Center (18 November 2008). The ECAP Team met with BSU-ANEC and discussed way forward to start ECAP's activity of strengthening the ANECs. It was agreed that BSU-ANEC shall assist in the technical side of developing Baguio City's local energy plan and that this initiative would serve as a pilot for local energy planning to be showcased to other LGUs.



Second Quarter Activities **Energy**

**EPIRA Implementation Support: Technical Assistance for the DOE's Power Summit 2009
23 February 2009 – 17 March 2009**

Description

The USAID-ECAP has facilitated the discussions with the DOE TWG in preparation for Power Summit 2009. Said Summit, which aims to present a road map for EPIRA implementation, is intended to be the culminating activity that would consolidate the results of a series of regional roundtable discussions on the issues and concerns of the power sector. The Technical Assistance by ECAP would include the commissioning of policy paper writers corresponding to each of the issues identified by DOE's TWG, and providing support to three of the roundtable discussions through the ECAP-Project Area Offices in Cebu, Davao, and Baguio.

The following policy issues were identified by DOE: energy security, reasonable rates, total electrification, good governance, competition, natural gas optimization, and consumer welfare protection. The policy paper writers proposed by ECAP to DOE included Alan Cajes, Fernando Roxas, Yolanda Villasenor, Marcial Ocampo, Rodelio Padrique, Rolando Danao and Pete Ilagan.

ECAP also facilitated the workshop with DOE and policy paper writers which discussed the expected focus of the policy papers and the role of each member of the team in the Power Summit. It has been agreed that the writers would have to partner with a DOE specialist/focal person for each policy issue.

The policy papers were targeted to be completed by April 2009 in time for the first leg of the roundtable discussions. By mid-March 2009, the Terms of Reference of the technical assistance and the line up of policy paper writers proposed by ECAP were discussed and approved by DOE. Six regional roundtable discussions were also tentatively set; including the approved twinings of policy paper writers with DOE cluster heads and specialists.

There will be 2 roundtable discussions each for Luzon, Visayas and Mindanao. The RTDs will be conducted in Batangas (or Lucena), Baguio (or Subic), Cebu, Iloilo, Davao and Cagayan de Oro. The National Power Summit 2009 was tentatively scheduled on 26 June 2009.



**Support to DOE's Strategic Plan Development: DOE Strategic Planning Workshop
Holiday Inn, Clark, Pampanga, 18-20 March 2009**

Description

ECAP, thru its ASOG Project Area Office and AIM, supported the conduct of DOE Strategic Planning Workshop. The design of the pre-SPW and the actual SPW was finalized in preparatory meetings among DOE's Energy Planning and Policy Bureau, AIM, and ASOG on 4-6 February 2009.

ECAP supported the preparatory meetings and helped facilitate the development of the design and objectives of the Energy Sector Strategic Plan (ESSP). ECAP also brought in senior AIM professors to provide process facilitation support to the SPW. Among the objectives of the ESSP are 1) review and finalize the PEP 2008-2030 assumptions and action plans given the changes in oil prices and the volatility of global financial sector and local economy; 2) discuss new DOE organizational structure and corplan; 3) ensure support for social mobilization in the Energy Sector.

In the Strategic Planning Workshop, around 125 participants led by Secretary Angelo Reyes and his senior officials validated scenarios and action plan stated in the Philippine Energy Plan 2008-2030. The new organizational structure was also presented with the corresponding transition plan discussed in the workshops.

As an offshoot of the SPW, the MOU between AIM and DOE is expected to be signed to cement their institutional partnership. ECAP was also requested by DOE to provide technical assistance in the conduct of a full-blown seminar on knowledge management.

**Coordination Meetings for the Support to ERC Strategic and Communications Plan
17 February 2009 and 4 March 2009**

Description

ECAP met with PIS-ERC in preparation for the intended support for the implementation of its Strategic and Communications Plan. Three significant activities were pipelined including Media CREST (ERC's Continuing Regulatory Education for Stakeholders), drafting of the communication campaign for Electric Cooperatives (EC) and their consumers, and the development of collateral materials on retail competition and open access.

Media CREST training was tentatively set on 23-25 April 2009 and aims to enable media practitioners assigned to the energy beat to provide a vehicle for continuing engagement of ERC with the public and various stakeholders in the energy sector.

PIS Director Francisco S. Villa, Jr. suggested the next steps for the development of ERC's communication campaign. The campaign is

aimed to inform the consumers of the efforts and changes brought about by the institutionalization of a standard procedure benchmarking the efficiency of all electric cooperatives in the country.

Two activities were agreed upon and these included 1) conceptualization and production of a comic strip bill-insert that informs the ECs and their consumers of the efficiency benchmarking; and 2) adoption of the Socratic Methodology in the ERC media dialogue wherein media is seen as partner in the learning process rather than as mere recipients of knowledge and information from ERC. The Comic Strip series is planned to run from May to December 2009, depending on the reaction of the general public.

ECAP's role on the comic strip campaign is to conceptualize the graphics approach and content, and find a suitable evaluator for the campaign's draft.

Development and Production of Collateral Materials: "Energy Guidebook for the Philippine Media" Book Launch 18 February 2009, Makati Shangri-la Hotel, Makati City

Description

The first Energy Guidebook for the Philippine Media written by Myrna M. Velasco was launched on 18 February 2009, together with the Energy Online Media website (www.energymediaonline.com). The cocktail event was supported by USAID ECAP and was attended by US Ambassador Kristie A. Kenney, DOE Secretary Angelo Reyes, ERC Chair Zenaida Cruz-Ducut, and Mission Director Jon Lindborg of USAID. A Deed of Donation was signed as well by CalEnergy, Chevron and Ms. Velasco on these companies' book donation to the Energy Library Project.

The event highlighted the important role that the media plays in the development of the energy sector in the Philippines. It is also the culmination of the Energy Reporters' Knowledge and Capacity Enhancement Training Program initiated by ECAP last 2005.

Meeting on Local Energy Plan Updating/Development Meeting with Energy Stakeholders in Davao, 9 February 2009

Description

ECAP, thru its ADDU-PAO, facilitated a meeting with Councilors Pilar Braga and Leo Avila, chairs of the Energy and environment Committees respectively, of the Davao City Council to discuss local energy planning, its draft energy efficiency and conservation policy resolution, and the forthcoming Mindanao Energy Forum. Both were receptive to these activities and committed support to ECAP and partners. IIEE Davao chapter president and ANEC coordinator Renato Arancon also committed to provide technical support to the LGU particularly in the EE/C Ordinance drafting. Finally, DOE Mindanao Field Office Director Manny Llanaza appreciated the efforts of ECAP in the energy sector. He said that the City government can write DOE to make Davao a priority in the Palit-Ilaw (retrofitting to more efficient bulbs) project funded by

ADB. The EE/C write shop is set February 27 while the Local Energy Planning Workshop is tentatively scheduled February 26.

The roundtable discussion on the Local Energy Plan was however moved for implementation in April 2009.

**Adoption of an Energy Sector Governance Toolkit for DOE and ERC
RTD on DOE Electricity Governance Toolkit Self-Assessment, 4 February 2009, DOE**

Description

ECAP assisted the DOE and ERC in adopting an Energy Sector Governance Toolkit through the conduct of series of roundtable discussions leading to the two turnover ceremonies of the kits to the DOE and ERC.

For this quarter, ECAP has facilitated a roundtable discussion on the DOE Electricity Governance Toolkit Self-Assessment and a meeting which finalized the EGI toolkits and recommended the program for the turnover to DOE and ERC.

- **RTD on DOE Electricity Governance Toolkit Self-Assessment, DOE, 4 February 2009**

DOE completed its self-assessment against a short-list of governance indicators as part of the Electricity Governance Toolkit Development. DOE representatives identified a short-list of indicators applicable to policy processes, administrative processes, environment and social aspects. ECAP consultant, Mr. Alan Cajés, together with the ECAP-Ateneo School of Government (ASOG) project area office worked with representatives from various DOE bureaus and assessed how DOE is faring against the indicators they have identified. ECAP agreed to finalize the results of the self-assessment and prepare its recommendations for presentation to DOE management. A parallel activity with ERC will give emphasis to regulatory processes.

- **Meeting of PAO Manila with Alan Cajés regarding EGI Toolkit, ECAP, 5 March 2009**

ECAP, together with ASOG PAO and ECAP Consultant, Mr. Alan Cajés, discussed the next steps for the ERC and DOE Energy Governance Toolkit based on the results of the assessment workshops. It was decided that only top 5 strengths and opportunities for improvement, classified per governance principle, would be presented based on the evidences presented and the minimum requirements satisfied. ASOG's Dean Tony La Viña and WRI's Smita Nakhood were proposed to be invited to speak about their thoughts on the adoption of the EGI toolkit during the two separate turnover ceremonies tentatively

scheduled on 28 April 2009. Division Chiefs, the ED and Directors are to be invited for ERC while USec. Zamzamin Ampatuan and Directors are to be invited for DOE. Dean La Vina will formally turnover to DOE and ERC the results of the assessment and express the ASoG's desire to be the third party assessor for both institutions.

Advisory Support to the IRR of the Renewable Energy (RE) Act of 2008

Description

ECAP's advisory support to the IRR of the Renewable Energy (RE) Act of 2008 covered legal, technical and documentation assistance in the DOE process of drafting the IRR. ECAP has also participated in the RE-Coalition meeting that prepared the stakeholders, the public sector, and NGOs for the upcoming RE activities such as the regional public consultations and write shops.

- **DOE's RE Act IRR Write Shop**
Fontana Convention Center, Clark, 18-20 February 2009

The DOE completed the first draft of the RE Act IRR in a write shop held on 18-20 February 2009 at Fontana Convention Center in Clark. Led by Director Mario Marasigan under the guidance of Undersecretary Roy Kyamko, around 40 TWG representatives from concerned DOE bureaus and services; attached agencies NPC, Transco, PEMC; Energy Committees of the Senate and HOR participated in the write shop. UNDP-CBRED extended secretariat services and logistics support while USAID-ECAP provided legal, technical and documentation assistance. The write shop continued on February 25 with other government agencies as participants and on February 26 with the private sector and NGOs. The public consultation series started on 9 March 2009 in Mindanao.

- **Consultation Meetings for the Drafting of the RE IRR**
Miramar Hotel Manila, 25-26 February 2009

ECAP provided continuing assistance to DOE as it completed the series of activities leading to the first draft of the RE Act IRR. It started with the DOE Family TWG write shop on 18-20 February 2009 at Fontana Convention Center in Clark and followed by the consultation meetings with other government agencies and the private sector/NGOs on 25-26 February, respectively, at Miramar Hotel in Manila. Undersecretary Roy Kyamko acknowledged the support of USAID-ECAP through its legal, technical and documentation assistance. In both consultation meetings, the issue of fiscal incentives stood out and how DOF/BIR/BOC can give preferential arrangements to RE developers. DOF on the other hand, said these incentives should be balanced with the government's need for fiscal stability.

- **Renewable Energy Coalition Meeting on RE Act IRR, PNOC, 3 March 2009**

ECAP participated in the RE Coalition meeting convened to discuss the draft IRR and provided recommendations on the language that can capture the spirit and intent of the law. Considering the members' presence during the deliberations of the RE Bill, their inputs have been solicited by DOE Director Mario Marasigan who also joined the meeting. In attendance were private sector representatives from Chevron, EDC, PhilBio, First Gen; as well as NGOs like Greenpeace, WWF and Switch. Among the major issues raised were as follows: the relevant RE service contracting mechanism that will be relevant for both traditional RE and biomass, ensuring no double taxation in payment of government/local shares; balancing RPS/FiT incentives with the need to maintain system stability due to intermittent nature of RE. The Coalition agreed to submit recommendations to DOE before the completion of the IRR's second draft in time for the regional consultations on March 9 in Zamboanga City.

Turnover of the Policy Advisory Technical Assistance to the RE Act of 2008: Renewable Portfolio Standards

Description

ECAP has commissioned independent consultants including Ms. Arlene S.M. Lafrades, Peter Lee U, Rodelio Padrique and Erwin Serafica in providing a Technical Advisory Assistance on the Renewable Energy Act of 2008.

The technical assistance included a review of policy mechanisms, specifically the Renewable Portfolio Standards (RPS). This report contains recommendations and key elements that can be considered in drafting the IRR particularly in the area of RPS formulation and implementation.

The RPS report (in printed and soft copy) was formally submitted to DOE on 18 February 2009 in time for the scheduled write shops and public consultation for the Implementing Rules and Regulations (IRR) of the Renewable Energy Act of 2008.

Public Consultations on the RE IRR

Description

ECAP, together with its PAOs supported DOE public consultations by providing workshop materials, secretariat and documentation support. In addition, PAOs also conducted complementing post PubCon roundtable discussions for the stakeholders.

- **Renewable Energy Act's IRR Public Consultation in Davao, Grand Men Seng Hotel, 11 March 2009**

The DOE-led public consultation for the RE Act IRR was participated in by the regional government agencies and stakeholders of the energy sector. Provisions highlighted during the open forum included the fiscal and non fiscal incentives, and the regulatory framework. The stakeholders commented that the IRR does not have the necessary mechanisms in its important features such as the distribution of benefits for host communities. Director Marasigan also committed to conduct provincial orientation/consultative meetings on RE Act and its IRR to increase public understanding on the benefits of the law.

- **Post RE Act IRR Public Consultation Roundtable Discussion: Mindanao Renewable Energy Network Conference MTRC, Bajada, Davao City, 12-13 March 2009**

The two-day conference was initiated by an NGO, YAMOG, in partnership with NZAID, MISEREOR and Small Grants Programme Philippines. The conference is a Mindanao-wide event as it was attended by community energy developers from Davao City, Davao del Norte and Oriental, South and North Cotabato, and Bukidnon. The first day of conference focused on presenting the experiences, best practices and strategies of community-based energy projects, and funding sources for the RE sector.

The second day is a workshop on the IRR of RE Act and on the issues and concerns on Sustainability and Collaborations on community-based energy initiatives. Significant recommended input of the conference to the IRR is the insertion of a provision specifying the roles of the LGU which include the following:

- Facilitate the accreditation of RE Developers;
- Act as source of counterpart funds;
- Provide legislative support; and
- Facilitate forming of possible joint venture opportunities for the sector.

- **Renewable Energy Act's IRR Public Consultation Hotel Supreme, Baguio City, 26 March 2009**

The RE Act IRR's Public Consultation was attended by 80 participants from the local government units and private sector. Vice Mayor Daniel T. Farinas of Baguio City welcomed the

participants by emphasizing the significance of the public consultation for the RE Act's IRR and the benefits from promoting RE sources. Assistant Director Evelyn N. Reyes of DOE opened the event by encouraging participation for the Earth Hour on 28 March 2009.

The public consultation had two open forums that scrutinized the provisions explained by DOE. Salient discussions include the request to widen the number of terms to be defined by the IRR; to specify the coverage of the law which includes existing and future RE sources; to emphasize the goal of reducing kilowatt hour price; and to ensure that host communities will be the primary beneficiaries of the electrification from RE sources.

DOE also committed to conduct consultative meetings with the Regional Development Councils (RDC) in coming up with action plans for implementing the RE Act. DOE further expressed support in the recommendation of the public to create regional offices of the Renewable Energy Management Bureau (REMB) or to institutionalize the ANECs for the purpose of facilitating the implementation of the RE Act.

- **Post RE Act IRR Public Consultation Roundtable Discussion**
University of Cordillera, Baguio City, 27 March 2009

The Post RE Act IRR PubCon Roundtable Discussion was facilitated by the ECAP's Project Area Office in Baguio. The RTD was attended by 40 participants from the private and public sector. The event complemented the DOE-led public consultation by providing another venue for RE Act IRR development workshop. The RTD summarized the salient features of the RA 9513's IRR and the output of the PubCon held last 26th March 2009. The RTD validated the results of the PubCon and drafted the recommendations of the stakeholders of Baguio City.

Joint ECAP-RE Coalition Public Awareness Campaign

Description

- **Development and Production of Collateral Materials (RE Primer, RE Advocacy Shirts, RE Act Manuscript)**

USAID-ECAP has contributed to the public awareness campaign on Renewable Energy thru the development and production of collateral materials which included the RE Primer, RE advocacy t-shirts and printing of the RE Law.

The RE Act Primer presents RA 9513 in a more comprehensive and easy reading format. The primer has been distributed to ECAP Project Area Offices and to DOE. The printing of the RE law and advocacy t-shirts were used during the public-consultations conducted by DOE.

- **Meetings on Solar Power Demo Project of the Burnham Park's Lake in Baguio City**
2, 6, 13, and 27 February 2009

USAID-ECAP has facilitated the formation of public-private sector partnership to promote renewable energy and efficient lighting thru the proposed Solar Power Demo Project to be implemented in Baguio City.

ECAP has gathered DOE-REMB, LCP, PELMATP, and SunPower Corporation, a solar module manufacturing firm, in a technical meeting to discuss the feasibility of the project.

ECAP has discussed the project with DOT Undersecretary Oscar Palabyab for replication under its Green Tourism Project. Usec. Palabyab receives the project positively. He told ECAP that he has represented DOT in a MOA signing of a similar solar energy project initiated by Green Peace in Boracay (summer 2008). He expressed willingness to endorse the Solarization Project in Baguio as it forms part of their advocacy on ecotourism.

ECAP also brought the Manila technical team to Baguio City for an ocular inspection and audit of wattage requirement of the Lake. The City Government received the proposal positively and committed to initiate it together with local and national partners. ECAP team also met with the local partners in Baguio City which included Jaime V. Ongpin Foundation Inc., Baguio City's CEPMO, President Colting of Benguet State University and Baguio City's Mayor Reinaldo Bautista, Jr.

The project intends to light the lamps surrounding the Burnham Park's Lagoon. The first phase of the project is tentatively set on 1 March 2009, in time for the Panagbenga Celebration of Baguio City, while the second phase is planned for completion in June 2009. The first phase will include an MOU signing and ceremonial switch-on of the view deck of the lake.



A Media Practitioners' Workshop on "Understanding Impact Assessment: The Biofuel Challenge"
26-27 March 2009, Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA) in Los Banos, Laguna

Description

A follow through activity to the ECAP-SEARCA Biofuels Policy Forum last 2008, ECAP presented a paper on "Biofuels as Alternative Energy Option" and joined the open forum that followed. Among the major issues raised were: lack of government promotion of alternate fuel options and feedstock production, support of car manufacturers in promoting biofuels, synchronization of government efforts through the enforcement of the Joint Administrative Order.

The Workshop was formally opened by DOE Asst. Secretary Matnog Mapandi in behalf of Secretary Angelo Reyes. He said that the biofuels industry needs to assess its impact on the economic, socio-political, and geo-political aspects to become more relevant. There were also presentations on biofuels overview, impact assessment, biofuels production and its effects on socio-economic environments.

SEARCA also requested ECAP to join the panel of resource persons to mentor and give feedback to participants in their writing exercise and write shop outputs. In closing, SEARCA thanked USAID ECAP for its continued support to DOE and the academic community in promoting biofuels.

Mobilizing Stakeholders for EE/C Programs in Project Sites: Seminar and follow-on RTDs on EE/C with LGUs

Description

For this quarter, ECAP has accomplished two thrusts on the strategy of promoting efficient utilization of indigenous energy sources: conduct of events which promotes renewable energy and facilitation of RTDs on the drafting of local ordinances on energy efficiency/conservation.

- **Forum on Study of Asin Micro Hydro, Executive Training Center** *University of Cordillera, Baguio City, 5 January 2009*

ECAP, through UC-PAO has facilitated the presentation of the commissioned foreign students on Micro Hydro. The 3 Harvard Business Students, Sean Cameron, Erica Harris, and Tara Reeves presented their initial study on the strategic management and risk analysis of the Asin Micro Hydros before selected UC faculty, personnel, guests, ECAP, UC PAO staff, and Edna C. Tabanda.

- **Renewable Energy Forum,**
Aegean Room, Waterfront Hotel, Lahug, Cebu City, March 6, 2009

The civil society led by the 888 News Forum and FIDEC organized the forum to discuss the potentials of RE for the Visayas and to come-up with recommendations on how best the stakeholders could contribute to the utilization of RE technologies. ECAP PAO supported the initiative by providing logistical assistance to the organizers of the forum. USC-PAO has organized a series of meetings with private sector partners in preparation for the forum

The participants of the forum included representatives from the LGUs (Talisay City, Naga City, Cebu City, Municipality of Aloguinsan), National Line Agencies, Civil Society and NGOs.

Among the recommendations raised was to call for the active involvement of the Academe in the effort. Hon. Archival even suggested calling all university and school presidents in Cebu City and nearby Cities to a similar forum.

- **Energy Efficiency and Conservation Resolution Ordinance Write shop** *Finster Hall, Ateneo De Davao, Davao City, 27 February 2009*

ECAP's Project Area Office in Davao facilitated the conduct of the first of the three series of write shops intended for the adoption of the Davao City's Energy Efficiency and Conservation Ordinance. Thirty eight (38) partners from the national and local government, private sector, academe, student and youth groups, transport sector, media, and professional groups attended the write shop. The participants emphasized the need for a collective effort to start and sustain an energy efficiency and conservation program that will respond to the growing clamor for sustainable development.

Discussion of energy issues on supply, distribution, and generation led to the agreement to incorporate provisions in the ordinance to state unambiguously the city's commitment to finding a sustainable solution to the energy needs of the city. It has been recognized in the forum that, despite the limited resources of most government units, the city government is still in the best position to solve local problems related to energy.

- **Lecture-forum on Energy Efficiency and Conservation**
Session Hall, Baguio City Hall, Baguio City, 6 February 2009

UC-PAO responded to the request of the DILG Baguio Field offices and facilitated the provision of requested lecturers/resource speakers for the city barangay officials' regular monthly meeting. Thus, in partnership DOE, PELMATP, City Barangay Affairs Office, and ECAP UC PAO, co-sponsored a Lecture-forum on Energy Efficiency and Conservation for the

Punong Barangays of Baguio City. Engineer Mon Leonor of DOE, Engr. A. Zabala of PELMATP and their technical assistants, provided the lecture cum demonstration on the efficiency of compact fluorescent lamps compared to the traditional incandescent lamps, among other topics.

Second Quarter Activities: **Clean Air**

Preparatory and Coordination Meetings for Activities Supporting the Implementation of MVIS (Motor Vehicle Inspection and Maintenance System)

Description

Meeting with DOTC on MVIS Activities

DOTC, 9 March 2009

The Motor Vehicle Inspection System Forum, a proposed ECAP Technical Assistance to DOTC/LTO has now been integrated in the MVIS Public Consultation, which will be conducted by the DOTC & LTO in March 16 (Luzon - Metro Manila), April 16 (Visayas - Cebu City), and April 17 (Mindanao - Cagayan de Oro City). The integrated design was agreed and decided on by USEc. Lontoc of DOTC during her meeting with ECAP to provide the target participants including public transport and PETC operators, and LTO enforcers greater understanding of the Philippine MVIS program and its importance; and MVIS inspection procedures and regulations by providing them with legal basis provided in RA 4136.

The 2nd part of the planned PubCon is to present the proposed 6 policy guidelines of improving the MVIS inspection regulations and procedures, which among others, will require PETCs the use of tachometer in conducting an emission testing using the specific rpm both for motor vehicles with compress- and spark-ignition. This is to ensure that the emission inspection tests done by MVIS centers and PETCs are proper executed and test results are non-debatable.

Upon the request of USEc. Lontoc of DOTC, ECAP CA Team meet with Lontoc to discuss and agree on the design of the MVIS PubCon.

PETC Inter-Agency Technical Working Group Meeting

DOTC Conference Room, 17 February 2009

ECAP assisted the PETC inter-agency TWG in assessing the three proposals of IT providers on monitoring the Machine Calibration of Emission Testing Equipment used by PETCs. The Technical Working Group composed of representatives from DOTC, DTI, PETC, DENR, LTO and PETC IT providers met to discuss the proposed DTI-PETC Machine Calibration IT System, and to plan and assess if there is merit in the said proposal. If accepted by the government, the system and limited hardware units will be provided to the DTI and DENR by these IT providers at no cost. While the proposal may help the government,

in particular, the Regional Monitoring Teams (RMTs) in resolving the issuance of tampered emission test results through the issuance of fake compliance emission certificates by the PETCs, the motive behind the offer of these IT providers is yet to be established. Note that these IT providers are also PETC owners. The TWG members agreed to study the proposal and its benefits and disadvantages to the government's MVIS program. The proposed performance evaluation criteria to assess performance of the RTMs was agreed to be developed during the 2009 action planning workshop of the national IA-TWG sometime in April 2009.

DOTC Road Sector Strategic Planning Workshop, Holiday Inn, Clark, Pampanga, 26-27 January 2009,

Description

In response to DOTC Undersecretary Anneli Lontoc's request, ECAP provided a resource person, facilitator and documenter for the 2-day DOTC Road Sector Strategic Planning Workshop in Pampanga. The DOTC led in the assessment and evaluation of the road sector agencies' 2008 accomplishments and identify new sets of program, projects and activities for 2009 consistent to the thrusts of improving road safety, environmental protection through the reduction in motor vehicle emission, transport security through transport planning and transport network and database management. The capacity building of the transport groups to improve their compliance level to emission standards through regular practice of motor vehicle preventive maintenance, use of cleaner fuels, and proper driving habits was included in the final LTO and LTFRB work plans for 2009, while activity to enhance the skills on effective and efficient management of DOTC's Special Vehicle Pollution Control Program and LTO's Motor Vehicle Inspection System Program was integrated in the DOTC/LTO final 2009 work plan. The integration effort is part of ECAP's sustainability approach of ensuring that the above clean air initiatives shall be sustained and continued even after ECAP.

This 2-day planning workshop was participated in by 50 technical staff including senior transport government officials, Undersecretary Lontoc and Asst. Secretary Dante Lantin of DOTC, Chief and Asst. Secretary Alberto Suansing of the Land Transportation Office (LTO), Chairman Thompson C. Lantion of the Land Transport and Franchising Regulatory Board (LTFRB), Chairman Jaime S. Domdom of Office of Transport Cooperatives (OTC), Col. Caesar M. Felix of Office of Transport Security (OTS), and Executive Director Manuel Imperial of Toll Regulatory Board (TRB).

Motor Vehicle Inspection System Public Consultation in Luzon, 16 March 2009, LTO Compound, Quezon City

Description

Transport groups, PETC operators, and LTO Motor Vehicle Inspection Center (MVIC) inspectors participated in the public consultation organized by DOTC on the various regulations that will be required to be enforced in preparation for the full implementation of the Motor Vehicle Inspection System (MVIS) in the country. Undersecretary Anneli Lontoc of DOTC, Chairman Suansing of LTFRB, and LTO Chief



Lomibao served as resource persons during the event. The public consultation served as venue to inform the affected transport sector about the current MVIS program of the government and to solicit suggestions in improving the MVIS regulations and procedures. There will be 6 proposed Administrative Orders that will be consulted to the participants: 1) rules and regulations in implementing the MVIS; 2) revised emission test procedure for in-use MV with spark-ignition; 3) revised emission test procedure for MV with compressed-ignition; 4) emission test procedure of in-use motorcycle/tricycle; 5) mandatory use of protective gear; and 6) guidelines on due process for non-compliant PETCs.

ECAP provided inputs to program design, which integrated the objectives of ECAP's MVIS forum and the DOTC's public consultation.

Support to the DOTC's "Harmonization of Vehicle Standards and Regulations Strategic Planning Conference," The University Hotel, UP Diliman, Quezon City, 19 to 20 March 2009

Description

ECAP provided facilitation and documentation support during the conduct of the strategic planning conference in response to the request of ASec. Alex Soneja of DOTC. The planning workshop exercise was participated in various affected sectors that will be directly affected by vehicle standards, like CAMPI, DTI, LTO, LTFRB, among others. ECAP supported the initial roundtable discussion on the harmonization of standards or WP 29 in 2007, with the intention of ensuring ensure that MV standards set by the government are consistent with the objective of protecting the environment by making MVs compliant to the scheduled emission standards (EURO 2 to 4).

ECAP Support in Promoting BRT System in the cities of Cebu and Davao

Description

Metro Cebu BRT

President Gloria Macapagal-Arroyo expressed strong support of the immediate implementation of the Metro Cebu BRT project, which will be the first in the country. The BRT as a public transport system will cover the main thoroughfares of the 302-hectare of south road properties passing through Cebu City and its three neighboring cities of Mandaue, Lapu-Lapu, and Talisay. The BRT is seen as the ideal solution for the traffic congestion in the city as it would encourage more private vehicle owners to take the BRT instead. Under the project, the BRT has exclusive lanes and because the city roads are narrow, the only solution is to ban the private and public utility vehicles from using the roads where the BRT operates. In the final publication of the DOTC's invitation to bid for the conduct of study on the BRT and a metropolitan-wide analysis of traffic last 20 March, the final publication of the invite was meaningful to Cebuanos because it signals the start of the city's dream for fast, efficient, and environmentally sustainable mass transport.

USAID through ECAP supported the conduct of several BRT forums for

the private sector, transport groups, media, and senior government officials of the 4 cities in Metro Cebu organized by Cebu City government last year.

Davao City BRT

The conduct of an awareness raising event on BRT for Davao stakeholders is scheduled on May 22, 2009. Dir. Ildefonso Patdu of DOTC met with Davao City Planning Officer Louie Jacinto and explored talks of promoting an Environmentally Sustainable Transport (EST) in Davao. BRT is being campaigned by the national government as an approach to reduce MV emissions while advocating energy efficiency under government's EST Program. The DOTC plans to allot resources from the Special Vehicle Pollution Control Funds to support the conduct of similar project with that of Cebu city should the city government of Davao expresses interest.

USAID through ECAP will provide technical support in the conduct of Davao BRT forum once activity/program design is agreed and approved. This is part of the follow-on advocacy efforts of ECAP in partnership with DOTC after the USAID-funded Pre-FS on BRT in Greater Metro Manila has been conducted and the Pre-FS Report turned over to DOTC and MMDA in 2007.

Preparatory and Coordination Meetings in Improving the Utilization of Government Financing resources for Clean Air Reforms

Description

Collaboration Meeting on Enhancing the Implementation of the DOTC's Special Vehicle Pollution Control Program,
UPNCTS Conference Room, UP Diliman, Quezon City, 10 March 2009,

DOTC is expecting a full swing implementation of the lined-up projects under the Special Vehicle Pollution Control Program of the DOTC. In a meeting convened by Dir. Patdu of DOTC, which was attended by UP-NCTS, ECAP, and UNDP, it was agreed that ECAP will proceed in providing a project management skills training to SVPCP-Project Management Office Staff of the DOTC to enhance the capability of the staff in managing (from project conceptualization to monitoring and auditing) the Special Vehicle Pollution Control Fund. UNDP shall provide DOTC different doable options or a model of program management and implementation system, following the UN system for DOTC to consider. A Project document shall be prepared by UNDP to this effect and shall be reviewed and signed by the Philippine government through DOTC and UNDP.

EMB-ECAP Coordination Meeting on the Development of Local Air Quality Management Program
AQM Conference Room, DENR-EMB compound, Q.C., 6 February 2009,

The ECAP clean air team met with Ms. Jean Rosete and Mr. Steve Serafica of the DENR-EMB to discuss ECAP technical assistance on the development of an Air Quality Management Program for partner city governments in Baguio, Cebu, Davao, and Metro Manila. Major discussions include, the a) release of AQM funds amounting to

Php60.9M to 24 recipients (EMB-central office, 16 EMB regional offices, LTO, DOH, PNRI, and 4 Metro Manila LGUs – Makati, Muntinlupa, Quezon City, and Makati) this February 2009 to be facilitated through a Memorandum of Agreement to be signed by EMB Director and the AQMF recipient; **b)** convening of the MM ASGB principal members by June 2009, wherein, USec. Teresita Castillo of DENR will be requested to join Mayor Abalos to round up MM Mayors to attend the June 2009 MM ASGB meeting; and **c)** development of the Manual of Operations for the AQMF by the EMB. ECAP will assist EMB in drafting the Manual.

The following are the agreed Next Steps:

- Ms. Rosete and Mr. Serafica will participate in the Air Quality Management Action Planning Workshop for Metro Cebu LGUs on Feb. 23-24, 2009 as resource persons;
- EMB to provide ECAP copies of the MOA, 5-year Strategic Plan prepared by EMB, and LGU work and financial plan approved by the AQMF Special Review Committee, which will be used as templates for the Metro Cebu LGUs; and
- EMB to email to ECAP copies of Manual of Operations developed for the MM Airshed Governing Board and Water Management Fund, which will be used as bases in developing the Manual of Operations for AQMF.

The Local Air Quality Management Action Planning is part of the continuing support of ECAP to strengthen the capacity of the LGUs to enforce emission standards and implement the specific provisions of the CAA.

Preparatory and Coordination Meetings for Activities Strengthening Anti-Smoke Belching Programs in Baguio, Cebu, Davao and Metro Manila

Description

ECAP Coordination Meeting with Davao City Clean Air Partners, Davao City, Feb. 9 & 10, 2009

A series of partners' coordination meetings was organized by ADDU-PAO for ECAP Project Management Team and Davao City government partners through Councilors Leo Avila and Pilar Braga, as well as the regional offices of DENR, EMB, and DOE to discuss the remaining energy and clean air activities that will be conducted jointly with the local partners. The following were discussed:

- a. *On e-Tricycle* - Davao City will pilot 10 units of electric-run tricycle in June 2009. The City will replicate the e-tricycle demonstration done by Taguig City government;
- b. *On BRT* – A Traffic Code for Davao City has been drafted and incorporated a provision on the construction of bicycle lanes in 10 major streets intended to benefit the recorded number of bicycle units users now approximately 10,000. The poorest of the poor working manpower are the major users of bicycle in said areas, and the inclusion of the Bus Rapid Transit as a mass transit. Councilor

Braga agreed the need for the city government to closely work with UP-NCTS to help them transport policy of the city, including the conduct of a forum to promote the Bus Rapid Transit concept to the local stakeholders.

- c. *On Davao City IRR of the ASB Ordinance* – The final draft of the IRR has been submitted to City Administrator Wendell Avisado for endorsement to the city legal office, for review, and subsequently for Mayor Duterte’s approval. Councilor Avila agreed to follow-up the status.
- d. *Other Local Clean Air-related Initiatives in Davao City* - Current clean air-related efforts being initiated by the city government include:
 - Water Forum in 121 March 2009
 - Davao City Climate Change Summit on 22 April 2009
 - Dance Festival for the Environment in May
- e. *On Davao City Airshed Governing Board* - DENR & EMB agreed to convene the principal members of the Davao City ASGB in March 17 right after the Araw ng Davao celebration. Councilor Avila agreed to help EMB in rounding up the different regional directors of the government agencies to attend the ASGB meeting. The ASGB meeting provides a good opportunity to resolve the issue on plantation air spraying, which becomes an urgent problem in the city, which requires immediate resolution. EMB regional office affirmed that an amount of Php2M from the AQMF will be released this February to be used for the operational expenses of the Davao City ASGB.

***Meeting with Joy Espina with Davao CENRO,
17 March 2009***

ECAP met with Davao CENRO Chief Joy Espina and discussed the status of the implementation of the city’s City Anti-smoke belching (ASB) program. The final draft of the Implementing Rules and Regulation of their ASB Ordinance is still under review of CENRO and legal unit of the city government. She plans to submit her proposal to create 2 departments, which will handle solid wastes program, and emissions from industrial and motor vehicles under CENRO. This will provide CENRO dedicated and organic enforcers from the city government who will implement the various environmental programs of the city, including the ASB program.

Monitoring of Emissions Compliance by Motor Vehicles

Description

**Davao Public Utility Vehicles Emission Compliance Monitoring
Davao City, 18 March 2009**

ECAP through ADDU-PAO in partnership with LTO Davao enforcers conducted free emission testing for public utility diesel-fed motor vehicles in Bajada and Matina Roads to check on the compliance of diesel-fueled motor vehicles to emission standards and advocate compliance



improvement. The 32-member LTO team joined this advocacy activity through roadside emission testing without apprehension. The newly procured safety masks and opacimeter units of LTO are being used during the activity. Out of the total 120 PUVs tested only 22 units or 18% passed. This poor compliance level has triggered commitment from the LTO-Davao that they need to be more aggressive in their advocacy efforts to improve the compliance level. Aside from benefiting from free emission testing, drivers who participated in the testing were also given information on PMI.

**Technical Assistance for Marikina & Quezon City ASB Ordinance Development
12-16 January 2009**

Description

Marikina City Council has finally passed an ordinance entitled, "The Anti-Smoke Belching Ordinance of Marikina City." authored by City Councilor Poncianito E. Santos, Jr. giving Marikina City the power to enforce the motor vehicle emission standards plying within the city periphery. The ordinance is being finalized for the signature of the Marikina City Councilors, Vice-Mayor and Mayor. USAID through ECAP provided legal advisory in the drafting of the ordinance, and the conduct of advocacy campaigns thru public consultations as preparatory activities prior to the final deliberation in the city council.

**Technical Assistance for Quezon City ASB Ordinance Development
12-16 January 2009**

Description

The Quezon City Council has recently passed an Anti-Smoke Belching Ordinance, which empowers the city to collect fines and penalties from smoke belching motor vehicles plying in Quezon City area. The ordinance was signed by QC Mayor Sonny Belmonte last Feb. 28, 2009 to be fully implemented after completion of free emission testing campaign.

USAID-ECAP provided copies of an ASB Ordinance templates endorsed by the Undersecretaries of DENR, DTI, and DOTC in 2006 and the approved ASB Ordinances of Cebu and Davao cities as reference in



developing the city's ASB Ordinance.

Preparatory and Coordination Meetings for Activities Institutionalizing LGU Approaches to Air Quality Management

Description

Meeting of Steering Committee on the 10th Anniversary of the Clean Air Act- 13 March 2009, 10am, Miriam College, Katipunan, Quezon City

Twenty people from the government, civil society, and partner organizations attended the preparatory meeting for the 10th Anniversary celebration of the Clean Air Act. The main agenda was for the participants to give their inputs on the planned conference on Clean Air on 5 June 2009 where 200 delegates are expected to attend to take stock on the achievements of and to look forward to further improving the implementation of the Clean Air Act. ECAP is a member of the steering committee tasked to organize the event and is also expected to provide technical and resource assistance to the lead organizer, which is the DENR.

LCP-ECAP Coordination Meeting, ECAP Conference Room 5 Feb. 2009, 10am

ECAP met with the Secretariat heads of the League of Cities in the Philippine (LCP) to discuss ECAP's intention to mainstream to other city governments the development of a Local Energy Plan (LEP) and Air Quality Management (AQM) Action Plan in their respective cities. An informal dinner meeting shall be organized by the LCP Secretariat to allow ECAP present to the Mayors the roles of the LGUs in the implementation of the Clean Air Act and Local Air Quality Management program on Feb. 18, 2009 during the LCP National Convention was agreed. The President of the LCP, Mayor Benhur Abalos of Mandaluyong shall also be briefed about the purpose of the dinner meeting prior to 18th of Feb.

The LEP and AQM AP development is introduced by ECAP in the cities of Baguio, Cebu, Davao, and Metro Manila as an approach to sustain the ECA activities initiated by ECAP beyond the project life.

Metro Cebu Summit on Air Quality and Climate Change
MCWD Auditorium, Lapu-lapu City, 20 January 2009

Description

As an offshoot of the participation of the Cebu city government in the Better Air Quality 2008 Conference in Bangkok, Thailand on November 2008, Cebu City Vice-Mayor Michael Rama and City Councilor Nestor Archival lead the convening of the LGU members of the Metro Cebu Air Shed on 20 January 2009, through the organized Summit on Air Quality and Climate Change. The convening of the Metro Cebu Air Shed Governing Board is the first ever Air Shed Governing Board principal members meeting in the country. The meeting was participated by Cebu provincial governor Gwendolyn Garcia and 10 city and municipality mayors of Metro Cebu Air Shed governing board

members.

The Summit implemented a symbolic signing of 2 documents: **1) Metro Cebu Executives' Declaration**, wherein the Metro Cebu Air Shed Board agree to regularly convene the ASGB starting January 20, 2009 and also agree the need to formulate, prepare and develop, with the assistance from the Department and in partnership with civil society and private sector, an action plan consistent with the Integrated Air Quality Improvement Framework to attain and maintain the ambient air quality standards within the Metro Cebu Air Shed as provided in Sec. 9 of RA 8749; and **2) Stakeholders' Manifesto**, signed by local partners, including the private sector, academia, youth, and transport groups, among others supporting the LGUs in their call for active participation in implementing the various programs of the LGUs on air quality and climate change.

Preparatory and Coordination Meetings for Activities Strengthening the Transport Group Compliance Capability through PMI, Proper Driving, and Use of Clean Fuels

Description

OTC Collaboration Meeting with Partners on PMI for Transport Cooperatives, 13 Feb. 2009, 10am, Quezon City

The ECAP Clean Air Team, together with sector representatives from CAMPI, TESDA, DAP, and Miriam PEACE attended the meeting convened by the DOTC-Office of Transport Cooperatives intended to explore partnership in the conduct of the OTC project on PMI for the Transport Cooperatives. This OTC project, which aims to build the capacity of the transport cooperative members in the country, is expected to generate: 1) a Trainers' Training Manual on Preventive Maintenance Inspection developed; 2) three pilot trainings on PMI in NCR, Southern and Northern Luzon; and 3) a developed performance monitoring mechanism of transport cooperative members.

The inclusion of the modules on road safety, proper driving, and use of clean fuels other than PMI was agreed. A draft narrative outline for trainers' training manual was committed to be emailed to all attendees for comments and additional inputs. All inputs shall be thoroughly discussed in the scheduled next meeting, and the final outline format shall be finalized. A draft trainers' training manual on PMI is expected by end of March 2009.

The above project is one of the three OTC projects proposed by the DOTC and approved by the Philippine Road Board for funding support from the Special Vehicle Pollution Control Fund for 2008. The other 2 projects include a) tricycle upgrading and b) tricycle training program. The same activity is also included in ECAP clean air work plan for 2009. It was presented to USec. Lontoc during the 2nd Road Sector Strategic Planning Workshop last Jan. 27 to 28, 2009, where ECAP served as facilitator and documenter.

OTC Preventive Maintenance & Inspection TWG Meeting,
31 March 2009, 10am, The University Hotel, UP Diliman, Quezon City

An inter-agency TWG meeting will be convened again by DOTC-Office of Transport Cooperatives (OTC) to review the draft PMI Trainers' Training Manual being developed by the OTC for diesel-fed MVs. This is first of the 3 manuals that will be developed by OTC under the Special Vehicle Pollution Control Fund. The other 2 manuals are: 1) PMI training manual for gasoline-fed motor vehicles; and 2) PMI training manual for tricycles, using the *Bente Bente concept* developed by Miriam PEACE under its Air-CARE program funded by USAID through ECAP.

Launching of CAYA - Kids Cebu
Plaza Sugbo, Cebu City, 20 February 2008

Description

- **CAYA Cebu - "Flight of Doves"**
20 February 2009, Cebu City

USAID Energy and Clean Air Project, together with the City Government of Cebu and University of San Carlos organized an event that launched the Clean Air Youth Alliance - Kids. The event, which was part of the city's charter day celebration, was attended by US Ambassador Kristie Kenney who delivered an inspirational message addressed to a crowd of about eighty high school and elementary school students from seven high schools and one elementary school in Cebu City. Acting Mayor Michael Rama, City Councilor Nestor Archival, DENR 7 Regional Director Leonardo Sibbaluca also gave short messages to the participants who have pledged themselves to help in the effort of cleaning the air in the city. Covenants were signed that bind them to do activities like not to smoke cigarettes, to plant more trees, not to contribute to traffic, and to report to the City Government motor vehicles and establishments polluting the air.

CAYA-BaBe's Participation in the Grand Street Parade, Panagbenga 2009

Baguio City, 28 February 2009

Description

▪ **CAYA Youth Advocates for Clean Air in the Panagbenga Flower Festival**

Baguio City, 28 February 2009

The USAID/ECAP-supported Clean Air Youth Alliance Baguio-Benguet (CAYA-BaBe) as they successfully performed their dance entry to the Grand Street Parade activity of the Panagbenga Flower Festival 2009 in Baguio City. The call for "Clean Air Rights, Bringing Back the Scent of Pines, and the Right to Breathe" was effectively sent to all through street interpretative dance movements of the youth contingents. The CAYA BaBe marched across the streets of Baguio City, together with the Panagbenga participants, carrying the advocacy for Clean Air. The youth contingents composed of 46 high school and 44 elementary students performed the choreographed moves into the music of Panagbenga and the popular song from the High School Musical.

The US Ambassador Kristie Kenney congratulated the CAYA-BaBe contingent right after the final performance in the Athletic Bowl.

Davao CAYA Junior launching, ADDU, Davao City, 17 March 2009

Description

Davao CAYA Junior Launching, ADDU, Davao City 17 March 2009



One hundred forty one people participated in the launching of the CAYA Juniors and Kids for elementary and high school students in Davao at the Ateneo De Davao University. High school and elementary students from three schools, representatives from the DTI, SK, City Government, Davao Jaycees and Davao Light were also present to witness the event.

Children read their letter aloud to Mother Nature, Mayor Rodrigo Duterte, US President Barack Obama, and President Gloria Macapagal-Arroyo and posted their own leaf-pledges to contribute to cleaning the environment to the tree of commitment. The Children requested for more programs and actions from the government that would protect the environment and clean the air in Davao like planting more trees and implement more strictly



the anti-smoking law. Counterpart commitments from the youth included not to smoke, convince their parents to perform preventive maintenance on their family vehicles, and to use bicycles more frequently.

ECAP Partner Councilor Leo Archival for his part delivered the response to the letters sent by the children to the City Mayor. He enumerated the programs and plans of the city government for the improvement of the environmental situation in the city. Youth leader and Jaycee Davao Chapter President Steve Arquiza delivered the inspirational message by encouraging the young CAYA members to be the heroes they want to be by doing small but great things for the environment.

Preparatory Meeting for the Implementation of On-Air Campaign with GMA 7 Network

Description

- **Coordination Meeting on the Energy, GMA 7, 18 February 2009**

ECAP met with the VP for Corporate Affairs of GMA7 together with members from their marketing team to discuss the feasibility of the concept paper submitted by ECAP. The agreement reached is to pursue a campaign on Going Green! as a strategy in promoting Energy Efficiency and Conservation. It will feature new and innovative ways such as the green building concept. ECAP has provided the materials for the marketing team who will conceptualize the campaign. The Marketing team is expected to meet with ECAP and submit their campaign concept by March 2009.

Third Quarter Activities: **Energy**

Turnover and Public Presentation of Electricity Governance Toolkit to DOE and ERC 6 May 2009.

Description

The Electricity Governance Indicator Self Assessment Toolkit for both DOE and ERC were presented to the two ECAP partners thru two separate simple turnover ceremonies held in their respective headquarters.

ECAP consultant, Alan Cajes, presented the DOE's significant strengths and opportunities for improvement in the following principles of governance: transparency and access to information, participation, accountability and redress mechanisms and capacity.



DOE Undersecretary Ramon Santos of DOE gave a brief and insightful remark recognizing the importance of the toolkit in three ways: 1) evaluating the performance of DOE, 2) assessing its contribution to the economy and 3) improving the agency's service delivery. He viewed the self-assessment exercise as the act of looking in the mirror that gave DOE a reflection of its performance in accomplishing its mandates.



ERC Executive Director Francis Juan meanwhile expressed their anticipation to learn the results of the workshop by using the toolkit as a organizational self-assessment mechanism.

For the next steps, DOE requested for the toolkit to also be used in assessing the oil sector to solve conflicts and issues and in the Biofuel industry to provide a standard of efficiency and effectiveness of service and service delivery. Ateneo School of Government assured continued support to this effort which will be included in an integrated Climate Change Program.

DOE-AIM Partnership for Program Planning and Implementation, May-June 2009

Description

• DOE-AIM MOU Signing, AIM, Makati City, 13 May 2009.

USAID-ECAP facilitated the forming of the partnership between AIM and DOE, aiming to increase the participation of the academe sector in the thrust of energy development.

Secretary Angelo T. Reyes of DOE and Mr. Francis G. Estrada, President of AIM signed the Memorandum of Understanding that seals a partnership between the academic institution and national government agency. The MOU identifies several collaborative activities that two organizations can do including development and implementation of strategic plans for the energy sector. With the MOU, AIM becomes the key academic partner of the DOE in conducting and assessing its strategic planning work Shop.



Creation of the DOE-AIM Program Planning and Implementation Team (PPIT)

After successfully facilitating a partnership agreement, ECAP joined DOE and AIM in their meetings to develop and design activities that will operationalize their recently signed MOU. Towards this goal, a Program and Implementation Team (PPIT) was created to map specific areas of cooperation for DOE and AIM and to jointly design activities like: a) management training and other capacity building exercises; b) policy and plan formulation and analysis; c) research collaboration.

Priority was given to two priority activities of the partnership and these are: a) development of an energy contingency plan that will consider both energy security and climate change concerns and b) development of an energy guidebook for easy reference.

On a broader level, AIM and DOE shall pursue collaborative activities like 1) Strategic planning for the energy sector, 2) Energy Policy Series, 3) Organization Development of DOE, 4) Basic Management Program, 5) Assistance on Financial Reporting for Public Utilities, 6) Energy Sector Disaster Management Module, 7) Research Collaborations, 8) Joint Policy and Plan formulation analysis, and 9) Joint efforts in engaging stakeholders and forming strategic linkages with the public-private sectors, civil society, international community and media.



Roundtable Discussion for the Local Energy Plan of Davao City, Finster Hall, Ateneo de Davao University, 15 April 2009

Description

The development of the Local Energy Plan for Davao City commenced with the conduct of the Round Table Discussion on April 15, 2009 at Finster Hall of the Ateneo de Davao University.

Forty – five (45) participants joined the event particularly led by the Davao City Planning and Development Coordinator, Mario Luis M, Jacinto and two (2) City Councilors – Hon. Pilar C. Braga (Chairperson, Committee on Energy and Transportation) and Hon. Leonardo Avila III (Chairperson, Committee on Environment and Natural Resources).

DOE - Mindanao Field Office OIC, Engr. Manuel Llanaeza also participated together with Mr. Art Torralba of DOE – Head Office who made a presentation on national energy programs and policies. Davao Light Power and Company’s EVP, Manuel M. Orig likewise presented the Power Demand and Supply Situation of Davao City.

The LEP is reported to be incorporated in the Davao City Comprehensive Development Plan which is currently being revised.

The development of Davao City’s local energy plan which is a “first local initiative” in energy planning in the country is undertaken with assistance from Ateneo de Davao University and the United States Agency for International Development through its Energy and Clean Air Project.

DOE’s Post Strategic Planning Workshop Assessment, DOE, 31 March 2009

Description

ECAP joined AIM and DOE’s Energy Policy and Planning Bureau (EPPB) in a post Strategic Planning Workshop (SPW) assessment meeting. Overall, the group agreed that the recently conducted planning workshop was better than before in terms of design and facilitation. All those present also agree that the energy scenarios could have been presented before the SPW for more substantive discussion of assumptions. Organizational Development will be pursued by Undersecretary Loreta G. Ayson’s team with inputs from EPPB. Processing of post-SPW evaluation will be done by Ateneo School of Government.

Forum on Greening Industries Towards a Low Carbon Economy, 8 June 2009, DENR Social Hall

Description

ECAP participated in the DENR-organized forum on green industries in celebration of the Environment Month of June. Attended by around 80 multi-sector participants, it was opened by DENR Usec. Ignacio with a discussion of the policies and strategies to integrate sustainability in the industrial development process.

The Philippine Business for Environment presented the state of greening local industries which the speakers from PCCI and HOLCIM validated through their respective discussion of specific initiatives of Philippine industries.

Among the major activities cited were the PCCI Excellence in Economy and Ecology Award, PBE –MO Philippine GHG Accounting and Reporting (PhilGARP), and low carbon production patters in the cement industry. The officials of UNEP and UNIDO likewise invited the audience to join the International Conference on Green Industry in Asia (Managing the Transition to Resource-efficient and Low Carbon Industries) scheduled on 9-11 September 2009 in Manila.

ERC - Media Dialogue Planning and Coordination Meetings, April-June 2009

Description

As part of its TA to the Energy Regulatory Commission, USAID-ECAP has been assisting the commission in improving its communications plans, strategies, and branding.

The ERC-Media dialogue is seen to create a more fruitful and engaging partnership between the ERC and its partners in the media. The team from ERC, ECAP, and AIM organizing the event met frequently to finalize the content, structure, and approach to be employed for the dialogue.

ECAP shall provide assistance to ERC in organizing the event by acting as part of the Secretariat and doing facilitation and moderation during the event scheduled towards the end of August. AIM and ASOG are partners to the event, which aims to attract about 25 professionals from the media.



Fostering Public-Private Partnership for Renewable Energy Use in the City: Launching of the Baguio Solar Power Demo Project, April 2009

Description

The Solar Power Demo Project of the Burnham Park in Baguio City, a public-private partnership initiative facilitated by the USAID's Energy and Clean Air Project, was successfully launched on 15 April 2009. The launching was implemented through an MOU signing of the project partners and a ceremonial switch-on of solar-powered lamps in the view deck of the park's lagoon. US Ambassador Kristie Kenney witnessed the event and joined Baguio City Mayor Reinaldo A. Bautista in leading the lighting of the Burnham Park's Lagoon with solar energy.

The event marks the beginning of the Solar Project of the Burnham. The MOU signing seals the principles of partnership for the promotion of renewable energy in the city among local and national partners.

Subsequently, ECAP organized a series of meetings as a follow-up to the ceremonial switch-on. ECAP also invited Oriental Motolite Philippines and the University of the Cordilleras to join the Baguio City Solar Power Demo Project.

Through ECAP, a series of stakeholders meeting were held in Manila and Baguio to finalize the plans for the project's inauguration and MOA signing during the city's Centennial Anniversary Celebration.

Now on the final stages of the preparations, the partnership convinced SunPower to donate six solar modules while Oriental Motolite pledged to provide eight batteries to power the system to be put in place sometime in August or September. The Baguio City Government shall shoulder the cost of the inverter and the installation of the mounting structures for the solar power modules on the view deck of the Burnham Park Lagoon.

Renewable Energy Act National Public Consultation for the Drafting of the Implementing Rules and Regulation, April-May 2009

Description

As partner of the DOE and regular member of the committee tasked to oversee the implementation of the recently passed RE Law, USAID-ECAP assisted the DOE in holding the nationwide public consultations for the drafting and signing of the law's Implementing Rules and Regulations. For this quarter, ECAP helped organized the consultations in Manila and Cebu. Following are the summaries of what transpired during these consultations.

- **RE Act IRR National Public Consultation, Makati Shangri-La Hotel, Makati City, 18 May 2009.**

ECAP provided legal, logistics and documentation assistance to DOE during the final leg of the national public consultation on the final draft of the IRR in Manila. With some 400 stakeholder participants in

attendance, Secretary Reyes delivered the keynote address and congratulated everyone for helping DOE complete the IRR drafting before the mandated deadline of July 2009. Among the issues raised during the open forum were: a) harmonization of the RPS provision with the EPIRA definition of the supply sector; b) setting a fixed term for NBB members; and 3) identification of the source of funds for the premium to be given through the Feed-in Tariff. The Secretary assured the participants that the IRR will be promulgated by DOE on May 25, published in newspapers of general circulation by May 28 to become effective on June 12.

- **RE Act IRR's Public Consultation, Holiday Plaza Hotel, Cebu City, 15 April 2009**

DOE held the last leg of the regional consultations in Visayas in Cebu. ECAP, through USC-PAO provided technical and legal advisory as well as documentation assistance during the event attended by around 130 participants from Central Vizayas. Among the major issues raised were as follows: a) need to harmonize the IRR with EPIRA especially the timeline for open access and technical requirements of the Philippine Grid and Distribution Codes; b) legal basis for exempting geothermal and impounding hydro in the renewable portfolio standard (RPS); and c) the need to consider the peculiarity of regulatory framework and requirements for biomass compared to other site-sensitive RE sources.

- **RE Act IRR's Post PubCon Roundtable Discussion with Stakeholders, GV Tower Hotel, 16 April 2009.**

ECAP through its USC-PAO conducted a round table discussion on the RE Act IRR among industry players, NGOs, LGU representatives and the academe after the Vizayas leg of the national consultation. Attended by 15 participants who have adequate experience and exposure to renewable energy policies and projects, the RTD elicited specific recommendations and language for the IRR.

Among the major issues raised were: a) need for One-Stop Shop which will also serve as help-desk for investors and the general public; b) need to tailor fit incentives and registration requirements for small developers especially in off-grid areas; and c) lack of IEC program in the IRR compared to the Biofuels Law that mandates DOE to develop a biofuels communication plan. The DOE Visayas Field Office representative assured the body that the recommendations made will be endorsed to DOE Head Office for consideration in finalizing the IRR.

**IRR SIGNING (RENEWABLE ENERGY ACT, RA 9513), Department of Energy (Audio Visual Room), 26 May 2009***Description*

It took about 18 years in all according to DOE Energy Secretary Angelo Reyes for the Philippines to draft, pass, and implement a law promoting and regulating the use of the renewable energy in the country. About 100 personalities from the Department of Energy (DOE), civil society groups, individuals, and other stakeholders in the energy sector trooped to the DOE office in Fort Bonifacio, Taguig to witness the signing of the IRR.

The highlight of the event was the participation of 25 youngsters representing the youth, who are the primary beneficiary of the law that aims to safeguard a healthy and sustainable environment. Commemorating the significance of the event, Sec. Reyes and the children buried a time capsule containing copies of the law, the IRR, and drawings of the children depicting their vision of the future.

USAID-ECAP assisted the DOE and its partners in planning and organizing the event.

Mobilizing Stakeholders for EE/C Programs, Seminar and follow-on EE/C Projects with Local and National Partners*Description*

For this quarter, ECAP has accomplished two thrust on the strategy of promoting efficient utilization of indigenous energy sources.

- **Meeting with League of Cities (LCP) and Union of Local Authorities of the Philippines (ULAP) President, Mayor Benjamin C. Abalos Jr., Mandaluyong City Hall, 21 April 2009**

USAID ECAP met with Mandaluyong Mayor Benjamin C. Abalos Jr. to discuss possible tie-up with LCP and ULAP in localizing initiatives on energy planning and clean air. Mayor Abalos showed enthusiasm in discussing energy issues and how LCP, Mandaluyong City, and USAID – ECAP can work together. These include initiating a local energy plan for Mandaluyong and providing LGUs with technical support through LCP and ULAP for the expansion of their own energy and clean air plans. Mandaluyong also offered possible sites for the RE in the city project its Hardin Pag-asa, a garbage dump turned educational and recreational complex for children with disabilities.

- **National Biofuels Board (NBB) Consultation with Oil and Car Companies, SRA Board Room, Quezon City, 13 May 2009**

ECAP attended the NBB consultation meeting with oil and car companies, upon invitation of NBB Vice-Chair Rafael Coscolluela. Representatives of the oil majors and car manufacturers discussed their concerns on the following: a) proposed increase in bio-diesel blend from 2 to 5%; b) uniform procedure for blending 10% bio-ethanol with

gasoline; c) preferential purchase of locally produced bio-ethanol over imported bio-ethanol given the price differential and storage requirements of local producers; d) non-acceptability of E10 by motorists as reported by retailers; and e) need for bigger storage tank to accommodate E10.

Generally, their reactions focused on the pump price impact, effect on engine performance and stability, bigger storage and handling requirements, and inadequate IEC support. The Vice Chair assured the participants that these concerns will be discussed in the quarterly NBB meeting on May 14. He also mentioned that USAID will help in developing a strategic communication plan for Biofuels promotion.

South East Asian Studies (SEAS) Collaboration, MO, Quezon City, 2 April 2009

Description

USAID through ECAP & ASoG-PAO attended the briefing and presentation of Dr. Jeff Reid on the 7 SEAS initiatives done by federation of scientists in South East Asia to interpret movement of aerosol particles and precipitation data in the region using a satellite model. Dr. Reid explained that satellite model they use holds promise insofar as data generation and analysis is concerned. However, in the case of the Philippines, the country faces difficulty insofar as utilizing this technology and model due to its unpredictable ocean current and unusual cloud patterns.

On the Spot-Painting Contest, Ninoy Aquino Parks and Wildlife, 13 June 2009

Description

A student from Eulogio Amang Rodriguez Institute of Science and Technology bested other 50 contestants representing 10 universities and colleges in Metro Manila to win the top prize in the on-the-spot painting contest with the theme: "Climate Change: What We Can Do to Prepare for It."

The paintings of the top 10 winners shall be displayed in an exhibit in November to be organized by EMB and its partners.

ECAP supported the event by disseminating information about the event within its youth network CAYA and its affiliates and by donating take-away bags for the top 10 winners.



Meeting on Energy Efficiency Campaign, DOE, 2 April 2009

Description

With the aim of fostering another partnership for energy efficiency campaign, ECAP presented to DOE-EUMB's Acting Director Evelyn Reyes and Assistant Director Jesus Asuncion the proposition of GMA7 for the Energy Efficiency and Conservation campaign.

EUMB welcomed the project and will provide technical assistance to ECAP and GMA7's creative team. They also proposed that instead of a Memorandum of Understanding, both parties can sign pledge of commitment. Next step is for EUMB to meet with GMA7.

Third Quarter activities-Clean Air

Partnership Building to Strengthen the Country's Capacity to Enforce and Implement Clean Air Programs Through the Motor Vehicle Inspection and Maintenance System in the Country

Description

As part of the continuing support of the USAID to the Philippine government in building its capacity to improve its inspection and maintenance of the country's land transport system, ECAP participated in meetings and consultations organized by the Philippine government through DOTC and DENR.

Clean Air stakeholders gathered at these meetings to carry out clean air initiatives to: a) promote clean transport system like the Bus Rapid Transit in ECAP sites, b)improving the monitoring of PETC operations nationwide, c)strengthening enforcement of environmental laws such as the Philippine Clean Air Act, and d)empowering LGUs to address air quality and climate change issues. Below are the specific highlights of these meetings:

Meeting on Cebu City BRT, 1 June 2009, 9:30am, 16/F DOTC

As part of the follow-on activities of Cebu City LGU to improve the transportation system through BRT, the city government conducted a "Cebu City BRT Studies Coordination Conference" last May 9, 2009. The Conference brought together key actors the Cebu BRT movement to discuss and forge agreement as to the direction, strategies and actions Metro Cebu LGUs can adopt to enhance coordination work and improve Metro Cebu's transportation system.

The meeting on Cebu BRT was chaired by DOTC Usec. Anelli Lontoc and attended by representatives of the DOTC-Transport Planning Unit headed by Dir. Agie Patdu and Cebu City LGU represented by Engr. Paul Villarete. Other organizations present during the meeting are World Bank Mission-Manila, ADB-CDIA Project, JICA High Standard

Highways, CAI-Asia, Partnership for Clean Air, UP-NCTS, and ECAP.

The discussion during the meeting focused on three topics:

(1) comparison of all ongoing projects that are directly and indirectly related to the development of a BRT system in Cebu; (2) institutional arrangements for ensuring proper coordination among Cebu City LGUs, DOTC, donor agencies and their respective executing units; and (3) agreements on the schedule of future meetings.

On the TOR of BRT project in Cebu, Engr. Paul Villarete discussed the Terms of Reference of the following projects, which already have confirmed funding:

- DOTC's PhP32Million Project, "Development of Public Transportation Strategic Plan for Metro Cebu; bidding is ongoing and will be implemented by a consulting entity;
 - PPIAF/World Bank's US\$315K "Cebu City Bus Rapid Transit Corridor," which aims to produce a project plan facilitating public-private-partnerships (PPP) for implementing the BRT in the City;
 - SIDA's US\$500K Project on Phase 2 of the "Feasibility Study on the South Road Properties (SRP) BRT, to be executed under ADB's Cities Development Initiatives for Asia (CDIA).
- **7th Private Emission Testing Centers (PETC) Monitoring National Executive Meeting, 22 May 2009, Boracay, Aklan**
 - The quarterly meeting of stakeholders in the field of emission testing and monitoring for 2009 centered on integration of data and technology to find appropriate responses to well-known shortcomings of the existing system and operational structure. Towards this goal, several issues were discussed and resolved that included the following:
 - The need for recomputed to determine the peak and off-peak time for the MVIS. USAID-ECAP was asked by LTO to assist on this area but given that the project is ending soon, it was suggested that this goal be integrated in the drafting of the MVIS Master Plan, which ECAP is currently assisting the DOTC in finalizing the Terms of Reference (TOR).
 - The updating of the development plan of MVIS facilities to cope with the estimated PhP650M available to Special Vehicle Pollution Control Fund annually. With information, LTO is to determine the number of MVIS facilities that can be completed and funded till 2015.
 - A request was made for the TWG to study the need to publicize the 12 PETCs found to have altered the results of emission tests they conducted by uploading altered input/data. The TWG was also asked to look into the status of a MOA on "citizen suit" proposed by IBP to LTO to fast track programs against smoke belching.

- An agreement was reached for LTO to issue a memorandum circular to effect the harmonization of PETC accreditation and authorization process with the simple guideline stressing that “LTO has the right to revoke authorizations already issued once it is established that a PETC is not needed in the area or MVIC is already fully operational in the site.
- To improve assessment and rating of PETC RMT, the TWG was requested to expand the criteria in the evaluation template by using the ISO form. The TWG hopes to increase by 200 percent the number of PETCs to be inspected for the year.

- **Environmental Law Enforcement (ELE) TWG, 24 April 2009, DENR office, Q.C.**

As member of the ELE-TWG, participated in meetings discussing development of various activities by different partners on enforcement protocols for forestry, wildlife, fish and marine resources, and air. The DENR sees the discussion as a relevant response to the recently concluded Environmental Justice Forum conducted in Baguio, Cebu, and Davao. Stakeholders expressed the need to capacitate government and volunteer enforcers but nonetheless recognized the need to educate the public including offenders on environmental laws. Timeline of things to do include the completion of an enforcement manual on forestry and wildlife.

- **Environment and Natural Resources Financing Conference, 11am, 8 May 2009, USAID**

ECAP, together with representatives of USAID-funded projects on the environment (FISH, DOI, WRF, CI, AECOM) participated in a meeting convened by USAID-OEE to provide inputs for improving the conference design/program for LGUs on public and private financing for environment-related interventions. The conference features a sharing of LGUs ‘best practices in resource financing and aims to improve the access of LGUs to public & private financing sources and accessing available financing schemes to implement environment initiatives.

- **Clean Air 10 Steering Committee Meetings, 11, 18, 25 May 2009, DENR Head Office, Quezon City**

The steering committee for the Clean Air 10 Celebration, convened to oversee holding of a national conference commemorating the passage of the Clean Air Act, met regularly for the month in preparation for the holding of the event in June. ECAP, as part of the steering committee provided technical and funding assistance to the organizers by helping steer the program and finance committees.

During the series of meeting, ECAP helped out in mapping the program design, identifying possible funding sources, and providing logistical and manpower support to the Secretariat tasked to disseminate

information and invitation to 300 target participants all over the country. A schedule of activities was also drafted and agreed in principle by all stakeholders culminating in big nation-wide event in November 2009.

Aside from the DOTC and DENR, other partners to the CA 10 Celebration are the Departments of Education and Interior and Local Government, League of Cities of the Philippines, Partnership for Clean Air, and Clean Air International Asia.

Promoting Bus Rapid Transit as Clean Transport System in ECAP Sites

Description

Bus Rapid Transit (BRT) Conference, 9 May 2009, Cebu City.

As long-time partners of the DOTC and Cebu City Government, USAID and ECAP participated in the BRT Conference organized in Cebu that brought together all key actors to discuss harmonization of all BRT-related initiatives, resources, and roles towards developing a BRT infrastructure in the City.

Major donor organizations like World Bank, Asian Development Bank, and JICA also attended the Conference. This conference, attended by former Bogotá Mayor Enrique Penalosa, is organized by the Cebu City Government and is an offshoot of the USAID-ECAP sponsored BRT forums conducted in November of 2009.

The USAID-financed Feasibility Study of a BRT system in Metro Manila also served as a major input to the Cebu City local government in advocating BRT system to local stakeholders and neighboring city governments to support this major Metro-Cebu-wide undertaking.

Promoting Bus Rapid Transit in Davao City, 22 May 2009, Flintster Room, ADDU, Davao City

ECAP provided vital technical inputs through its partner-experts in this USAID-supported seminar-forum promoting BRT in Davao City. ECAP provided stakeholders in Davao what is in store for the city if a BRT system is adopted through the presentation of Dr. Cresencio Montalbo on the Feasibility Study of the BRT in Cebu. A testimonial presentation was also shared by Paul Villarete of Cebu City on their progress to do seek support for the Metro Cebu BRT.

The ECAP presentations improved the understanding of Davao stakeholders about BRT and saw it as one options to consider in improving the city's local traffic management. Davao City planning officer Louie Jacinto also expressed interest and support for the project as it is a clean and sustainable transport option for the city in modernizing the transport system.

Improved Management Skills Training for DOTC/LTO Managers and Officers, 6 May 2009, ECAP Conference Room

Description

As part of the strategy to ensure sustainability of CA programs, ECAP assisted the DOTC and LTO in drafting and executing a training design/program that focuses on upgrading the skills of their managers and technical staff in managing major transport programs.

The TA further aims to improve the management ability of the technical staff to oversee the implementation of nationwide programs like the Special Vehicle Pollution Control & Road Safety Programs of the DOTC and National Motor Vehicle Inspection System (NMVIS) Project of LTO.

The training module enunciates the critical relationship that links all personnel working in different programs of the DOTC/LTO like those involved in motor vehicle pollution control initiatives, operation of MVIS facilities, development of Bus Rapid Transit system, improved PETC operations monitoring, and aggressive roadside anti-smoke belching operations. The training made the participants realize that if they are to meet their separate goals, they must build on each other's accomplishments.

Making Projects Work for People: Capacity Building on Project Development, Management and Monitoring, 22 to 25 June 2009, LTO Bulwagan Edu, Quezon City

Description

USAID through ECAP enhanced the capabilities of 28 technical staff of the DOTC and LTO handling their Project Management Offices. ECAP engaged the services of Dr. Sheila Napalang to design and conduct this technical training aimed at instilling improving the management skills of the participants involved in the effective implementation of the Special Vehicle Pollution Control Program and the Motor Vehicle Inspection System in the country.

The training design sought to increase the understanding by the participants of the full project development cycle including service delivery, managing development results, and practice of good governance and teamwork in the workplace.

The training built anticipation that with the gained knowledge and confidence, marked improvement in the utilization and management of the SVPC Fund will be observed in the following months.

MVIS Public Consultation May 13 in Cebu City, Parklane Hotel, & May 14 in Cagayan De Oro City

Description

The Visayas and Mindanao consultation on MIVIS are the 2nd and last series of MVIS public consultations organized by the DOTC aimed at improving the implementation of motor vehicle inspection procedures.

Chairman Bert Suansing of LTFRB led the consultations leading to drafting of six document-proposals: 1) rules and regulations in implementing the MVIS; 2) revised emission test procedure for in-use MV with spark-ignition; 3) revised emission test procedure for MV with compressed-ignition; 4) emission test procedure of in-use motorcycle/tricycle; 5) mandatory use of protective gear; and 6) guidelines on due process for non-compliant PETCs.

USAID-ECAP through USC-PAO in Cebu assisted in the documentation of the public consultation proceedings.

Regional Monitoring Team Performance Assessment Rating Writeshop, 20-21 May 2009

Description

USAID-ECAP supported the PETC Inter-Agency National Technical Working Group in the development of a standard performance evaluation rating sheet to be used as a template by the PETC National Executive Committee members in assessing the performance of the PETC Regional Monitoring Teams (RMT). The performance assessment is aimed to measure the performance of government enforcers tasked to monitor PETCs all over the country. The writeshop was attended by 10 TWG members representing DOTC, LTO and DENR, with ECAP representative as one of the resource persons.

The writeshop generated three (3) types of monitoring sheets: 1) *RMT Performance Monitoring Sheet*, which provides a snapshot on the actual accomplishments of the monitoring operations of the 16 RMTs versus the set annual targets; 2) *RMT performance evaluation sheet*, which measures the efficiency of the RMTs in terms of completeness, accuracy, and timeliness of the submitted monitoring reports; and 3) *paper assessment report on the PETC RMT performance*, which provides a more detailed result of the operations conducted by the RMTs nationwide.

The output of the writeshop shall also be presented to the members of the PETC National Executive Committee on the 7th PETC NEC Meeting.

National Conference on Empowering LGUs to Clean the Air and Address Climate Change through Partnership, 23-24 June 2009, Skyline Riverbend Hotel, Marikina City

Description

About 300 delegates from the government, civil society, and private sector attended the *National Conference on Empowering Local Government Units (LGUs) to Clean the Air and Address Climate Change through Partnerships* held last 23 to 24 June 2009 in Marikina City. The event saw the adoption of the Clean Air Declaration (CA 10 Declaration) by CA stakeholders.

The Declaration urges all participants, as responsible stewards of the environment, to expeditiously carry out measures and programs for cleaner air by focusing to improve fuel quality and reduce motor vehicle. It also calls on national government agencies to strictly implement the provisions of the Philippine Clean Air Act, which was passed 10 years ago, while highlighting the critical role LGUs play in implementing area-specific Clean Air Actions. The youth sector was represented by USAID-ECAP partner Clean Air Youth Alliance – Metro Manila.

Another conference highlight was the turn-over of Air Quality Management Toolkit for LGUs by USAID representative, Mr. Jose Dulce and Mr. Renato T. Goco of ECAP to help capacitate local governments around the country institute CA programs.

The event was organized by the DOTC, DENR, DILG, PCA, CAI-Asia with the support from various clean air partners, including USAID.

Coordination Initiatives to strengthen local government capacity for clean air reforms

Description

- **Consultation Meeting on Air Quality Management Toolkit, 2pm, 8 May 2009, ECAP Conference Room**

With the goal of producing the first draft of a toolkit that aims to aid local government units in formulating and implementing their own initiatives to improve air quality in their localities the ECAP CA Team met to agree on the content of the toolkit. The team agreed that the content and form of the Air Quality Management Toolkit shall consist of working templates generated by ECAP and shall be prescribed to local planning officers. The toolkit is intended to be used as reference materials by LGUs in their policy formulation, advocacy, training program development, and action planning activities aimed at enriching the competence of the local staff in executing air quality programs.

- **Cebu Air Shed Governing Board Coordination Meetings, Cebu City**

USAID-ECAP, through its Cebu USC-PAO assisted the Metro Cebu ASGB in finalizing the local AQM action plans of the 4 city LGUs (Cebu, Talisay, Mandaue, and Lapu Lapu). These AQM action plans shall be presented during the next meeting of the in June of the Cebu ASGB for approval. Also, a single work and financial plan is being proposed to cover all the financial requirements of all the AQM action plans recommended for approval.

Marikina Stakeholders' Forum on the Anti-Smoke Belching Ordinance, 23 April 2009, Marikina Hotel, Marikina City

Description

About seventy stakeholders in Marikina City representing PUV operators (jeepney, tricycle and AUV), household members, private corporations, and barangay officials heeded the call of the City government for orientation on the new vehicle emission standards set forth in the recently passed anti-smoke belching ordinance of the city.

USAID-ECAP through Ateneo School of Government-Project Area Office supported the consultation-forum as requested by partners in the City government of Marikina. Outside of ECAP and Marikina City, the event was also participated in by DENR-EMB central office, EMB-NCR, Chamber of Automotive Manufacturers of the Philippines Incorporated (CAMPI) and Motorcycle Development Program Participants Association (MDPPA).

Monitoring of Motor Vehicle Emissions Compliance

Description

The USAID through ECAP in partnership with local LTO and City government enforcers conducted the 3rd quarter monitoring compliance of motor vehicles in Baguio, Cebu, and Davao cities. In all 3 sites, improving compliance level of public transport groups to motor vehicle emission standards was noted.

- **Davao City, 29 June 2009**

Out of the total 112 tested, 30 MV units or (27%) were found to be compliant with emission standards. In an effort to further improve CA awareness, the LTO operatives, together with the Davao PAO personnel also distributed IEC collateral materials during the free emission testing.

- **Baguio City, 29 & 30 June 2009**

Long-time ECAP partner Baguio City Anti-Smoke Belching Management Unit (CAMU) together with other city volunteers tested a total of 80 motor vehicles during the two day emission testing in Baguio City. Out of this number, 44 MV units or 55% passed the emission standard test.



- **Cebu City, 16-25 June 2009**

Cebu City Traffic Operations Management (CITOM) enforcers inspected a total of 264 MVs and 133 of these or 50% passed the emission test.

Training on Roadside Inspection for Cebu City Enforcers, May 28, 2009

Description

With the aim of helping the Cebu City Government effectively implement CA programs, USAID-ECAP through USC-PAO helped the City Government organized a training for ASB enforcers in line with the expected implementation in June 2009 of the recently passed City Ordinance No. 2111 that sets the standard and policies for vehicle emissions in the city.

The holding of the training was opportune as it complemented the signing of the Implementing Rules and Regulations of the City Ordinance. The training is seen to build the capacity of local enforcers to effectively conduct roadside vehicle emission inspection and monitoring in the city.

National Stakeholders Conference on the Formulation of a National Environmentally Sustainable Transport Strategy for the Philippine

Description

- **Metro Manila Launching of the Green Transport Strategy, 22 April 2009, Crowne Plaza Galleria**

Since year 4, ECAP has put primacy on the strategies that promote the adoption of greener technologies for the transport sector. With the introduction of the Green Transport Strategy through the National Environmentally Sustainable Transport (NEST) of the DOTC, ECAP has once again provided TA to ensure the drafting of a sustainable transportation plan in urban areas.

Attended by more than 100 representatives, the event saw representatives from various national government agencies, Metro Manila LGUs, non-government organizations, academe, transport

groups, government owned corporations, and development partners discuss the strategy that includes improving vehicle inspection and maintenance efforts of the DOTC, emission reduction through improved standards, promotion of high capacity vehicles through BRT, railways, buses, improved road safety, promote the use of cleaner fuels, low carbon transportation system through energy efficiency, non-motorized transport systems, and EST advocacy.

Overall, the green transport strategy generated strong support from all partners. In particular, Metro Manila LGU officials expressed willingness to partner with the national government in localizing the NEST initiatives. The DOTC declared that the final EST document shall be presented to the NEDA-ICC Board for institutionalization to appropriate government entities.

- Consultation on Environmentally Sustainable Transport Strategy, Baguio City, 11 June 2009, Queen Elizabeth Hotel, Baguio City**

The consultation was a seminar-forum intended to inform the key transport stakeholders of regions 1, 2, and CAR on the various ways of enhancing local transport system through adoption of more sustainable and environmentally-friendly strategies. It was attended by about 120 participants from DOTC/LTO regional offices, LGUs, local government agencies, and transport groups in Northern Luzon.

USAID-ECAP provided logistical support are requested by the organizers of this forum, the UP-NCTS and DOTC.

ECAP Supports the Cebu City Sangguniang Kabatan (Youth Council) Federation Planning Workshop on Youth Response to Climate Change, 1 April 2009, Cebu

Description

ECAP expanded its advocacy for clean energy and clean air to youth leaders of Cebu through the Sangguniang Kabatan (SK) Federation of Cebu, which held a planning workshop on youth response to Climate Change, held in San Remigio Town.

Around 280 SK leaders attended the event where Ms. Arlene Donaire of ECAP delivered a presentation on the role of the youth leaders in mitigating and managing the impacts of climate change in their communities. The young leaders were urged to use their current capacities as models in effecting positive behavioral changes such as energy conservation and adopting the 3Rs (reduce, reuse, recycle) of solid waste management.

Earth Day Celebration, SM Mall of Asia, 22 April 2009

Description



Led by the Department of Environment and Natural Resources and Earthday Network Philippines, the Philippine celebrated Earth Day at the Music Hall of the SM Mall of Asia by organizing a Kid's Environmental Fair. About 800 people, 600 of who are children below 10 years old attended the event, which was graced by the DENR Secretary, the

US Ambassador, and partners in the environmental protection movement.

USAID-ECAP supported the event by assisting in planning and organizing the event spearheaded by DENR-EMB. Likewise, the Clean Air Youth Alliance, with the assistance from USAID – ECAP, organized face-painting and Earth Bingo activities for the children.

Fourth Quarter Activities - *Energy*

ERC Media Dialogue, 26 August 2009, AIM Soriano Hall

Description

ECAP and AIM helped design and supported the conduct of the ERC Media Dialogue last August 26 at AIM. Attended by 30 participants from print, radio and TV with their crew, ERC initiated discussions on the basic principles of energy regulation, power rates, market reforms and consumer welfare. Chair Zenaida Ducut gave the opening remarks, thanked USAID ECAP for its assistance, and encouraged continuing dialogue with media beyond that event. For the next steps, media requested for a thorough discussion of open access and retail competition as well as conduct of similar briefings off-site. ERC said it will push the same dialogue process with other sectors like the business community.

. Tiwi Carera Coron Adventure Renewable Energy Race, 29-30 August 2009, Tiwi, Albay

Description

As part of its advocacy to promote clean and renewable energy, USAID through ECAP participated in the Coron Adventure Renewable Energy Race. As one of the sponsors of the event, ECAP was given the opportunity to present its advocacy in the energy sector during the August 29 briefing attended by Tiwi local leaders and race participants. ECAP was also invited to man one of the pit



stops for the race. The race is being held as part of the Coron Festival 2009 celebration. Aside from ECAP, other sponsors of the event are the Local Government Unit of Tiwi, Governor Joey Sarte Salceda, Congressman Edcel C. Lagman, Smart Communications, Inc., Aboitiz Power Renewables, Inc. and Chevron Geothermal Philippines Holdings, Inc.

Baguio Solar Power Demo Project, 2 September 2009, Burnham Park, Baguio City

Description

Acting as process manager, USAID-ECAP finally put together a partnership that paved the way for the installation of a renewable energy platform at the Burnham Park view deck that features six solar power modules from SunPower and eight solar deep cycle batteries from Oriental Motolite Philippines. The inauguration of the system was attended by the parties/signatory to the Memorandum of Agreement that made possible the donation and installation of the system. Aside from Motolite and SunPower, the University of the Cordilleras, Benguet State University, League of Cities of the Philippines, Jaime V. Ongpin Foundation, and the City Government of Baguio are the other signatories to the MOA. ECAP is scheduled to replicate the same project in Mandaluyong City and Miriam College.

RE and Agriculture Conference, Sofitel Philippine Plaza, 3-4 September 2009

Description

ECAP participated in the RE and Agriculture Conference organized by the Congressional Commission on Science & Technology and Engineering or COMSTE, DOE and AIM. Attended by around 150 participants from the science community, private sector and government, the Conference was divided into 2 parts: investing in RE in the Philippines and Prospects in carbon financing and other RE Technologies and support systems. Since ECAP also assisted in designing the Conference, we will also explore with COMSTE next steps and follow on actions that can be taken by concerned energy agencies and stakeholders.



ERC-CREST on Performance Based Regulation, 17 September 2009, AIM, Makati City

Description

The ERC, with support from the Konrad Adenauer Stiftung (KAS) and assistance from AIM Policy Center held a forum for select members of the judiciary on Performance-Based Regulation (PBR), which the Commission aims to implement soon. Commissioner Rauf Tan, the principal author of the ERC Resolution on PBR delivered an incisive presentation that enabled the audience to understand – and appreciate – the new methodology for regulating electric distribution utilities. In his response, Philippine Judicial Academy (PHILJA) Chancellor and former Supreme Court Justice Adolfo Azcuna welcomed the initiative of ERC to educate the judiciary on matters concerning energy regulation. He also invited the ERC, the KAS, and AIM to help PHILJA replicate such forum in other regions of the country. USAID-ECAP was part of the team that conceptualized and helped implement the event.

Site Ocular Inspection, Briefing, and Dry-run for the National Conference of Distribution Utilities' Regulatory Compliance Officers, 24 September 2009, Club Filipino and ERC-DMC Head Office, Ortigas

The organizing committee for the 3rd National Conference of Regulatory Compliance Officers met to finalize the preparations for the event. The group first met at Club Filipino to do an ocular inspection of the site and do food tasting and selection. The group then proceeded to the ERC-DMC conference room to conduct the dry-run for the presentations and workshop. AIM, USAID-ECAP and an independent consultant alternately gave feed backs on the presentations prepared by ERC speakers. The same team shall be the lead organizers during the event, which will be administratively managed by ERC-DMC. The program, workshop mechanics and outputs were also finalized during the meeting. USAID-ECAP shall remain as one of the lead organizers of the event by moderating and facilitating the discussions and the workshops, respectively.

Fourth Quarter Activities – *Clean Air*

DOTC-USAID Consultation Meeting on the DOTC MV Emission Reduction Initiatives, 7 July 2009, 2pm, DOTC, Mandaluyong City

Description

USAID represented by J. Dulce together with ECAP CA Team (A. Donaire & E. Dispo) met with USec. Lontoc of DOTC & DOTC-Road Transport Planning/SVPCP-PMO staff (R. Gatchalian, E. Galvante & J. Ludovice) and discussed the current and priority initiatives of the DOTC on land transport. DOTC is now adopting the "Environmentally Sustainable Transport" (EST) as Department's framework in developing its land transport system in the country. The EST focuses on addressing air pollution that is contributed by transportation in 4 areas: (1) land use and transport; (2) vehicle technology; (3) clean fuels; and (4) vehicle inspection & maintenance (I&M). The current vehicle inspection & maintenance efforts of the DOTC related to MVIS facilities improvement, monitoring of PETCs, and regional office "awareness & utilization of the SVPCF" still require improvement. The current DOTC updates on status and future plans on: 1) MVIS project; (2) vehicle standards development; (3) roadside enforcement; and (4) use of the Special Vehicle Pollution Control Fund (SVPCF) for clean air projects, are also ECAP's areas of assistance to DOTC in the last 5 years.

J. Dulce thanked USec. Lontoc for the partnership established by DOTC with USAID-ECAP in the last 5 years. The final copy of the report on the "Institutional Study on the Management, Operation, and Maintenance of MVIS Facilities" was formally handed-over to USec. Lontoc. J.Dulce also informed DOTC senior officer of USAID's offer to donate the ECAP van to DOTC. Usec Lontoc accepted and considered the suggestions from the group to convert the vehicle to auto LPG as a showcase of the agency's advocacy on clean fuel for transport. She thanked USAID for the fruitful partnership and expressed hope that the assistance would be continuing beyond ECAP.

In said meeting, USec. Lontoc sought USAID through ECAP in assisting DOTC:

assess whether DOTC has sufficiently performed its mandated functions under the Clean Air Act;

Develop activity designs for DOTC initiated events:

- a) Workshop to Finalize the Guidelines and Standards for MVIS on July 23 & 24, 2009 in Tagaytay,
- b) Regional Planning Workshop on the SVPCF in July 3 & 31; and
- c) present the recommendations of the MVIS Institutional Study Team of the USAID-ECAP.

8th PETC NEC Meeting, 9 July 2009, 10am, DOTC, Mandaluyong City

Description

USEC. Lontoc Undersecretary of the DOTC and Chair of the PETC National Executive Committee convened the regular NEC meeting and discussed with other NEC members from DTI, LTO, and DENR the following:

Monitoring the PETC operations nationwide, a new LTO Memorandum Circular 2009-1172 has been issued to all existing PETC owners as supplementary emission testing guidance to be followed in conducting test emissions to all motor vehicles. USEC. Lontoc directed the members of the PETC National Inter-Agency Technical Working Group to conduct actual inspection of the completed government emission testing facilities or MVIS in Pampanga, NCR, and Cebu.

Harmonization of requirements of PETC accreditation of the DTI and the PETC authorization of the LTO, which simplifies the role of the DTI now to only inspect, assess, and endorse DTI monitoring reports to LTO, for proper action.

MVIS Implementation, LTO shall undertake the initial test run of using routing slip that adopted by MVIS technicians to establish the average capacity of the completed LTO MVIS facilities in NCR, Pampanga, and Cebu City. The initial test run shall be carried out in the week of July 13.

Citizen Suit for Black Smoke Belching Motor Vehicles, a Department Order has been signed by Sec. Mendoza of DOTC last December of 2008, which allows general public to report smoke belching motor vehicles to be apprehended by the LTO enforcers. This shall complement with the roadside MV emission inspection operations carried out by LTO and LGU enforcers. Implementation regulation of the citizen suit shall be discussed, drafted, and finalized by group to be formed by the DOTC/LTO.

DOTC-ECAP Coordination Meeting in Finalizing the 2 Workshop Designs, 10 July 2009, 9:30am, ECAP Conference Room

Description

Upon the request of USEC. Lontoc of the DOTC, USAID through ECAP Clean Air Team assisted the DOTC Technical Staff (E. Galvante, R. Gatchalian, Paul) in developing the activity designs of the two (2) workshops, 1) *Finalization Workshop of the Draft AO on MVIS Procedural Guidelines*; and 2) *Strategic Planning Workshop for LTO Regional officers on Special Vehicle Pollution Control Program (SVPCP)*, that DOTC believes that must be urgently conducted.

The *Finalization Workshop of the Draft AO on MVIS Procedural Guidelines* scheduled on July 23 & 24, 2009 in Tagaytay is expected to strengthen the implementation of the DOTC/LTO MVIS program by integrating the issues raised during the public consultations in Metro Manila, Cebu, and Cagayan de Oro. The same draft is expected to be finalized during the workshop into final document for endorsement and subsequent approval by the DOTC Secretary as the guidelines in operating the MVIS facilities in the country.

The *Strategic Planning Workshop for LTO Regional officers on Special Vehicle Pollution Control Program (SVPCP)* to be conducted in July 30 & 31 is expected to mainstream and localize the SVPCP activities by identifying the priority activities on MVIS, Anti-smoke belching, and PETC activities that will be carried out by the LTO regional offices. ECAP helped design the workshops and attend as technical advisor, while UP- NCTS experts will be requested to serve as technical facilitators for the 2 workshops.

Post CA 10 Conference Meeting, 10 July 2009, 3:30pm Starbucks

Description

USAID representative (J. Dulce) together with ECAP CA Team (A. Donaire & E. Dispo) met with PCA (Bebet Gozun) and CAI-Asia (Atty. Glynda Bathan) and discussed plans on the need of transforming the 10-point CA 10 Declaration developed and agreed by the CA 10 Conference participants last June 23 & 24, 2009. A 1-day small group planning workshop is scheduled on July 28, 2009 to be participated in by 15 selected people to transform the 10 elements of the Declaration into doable actions. ECAP was tasked to organize this 1-day workshop.

To facilitate the discussion during the workshop, the following are tasked to:

- PCA/Bebet Gozun - check with DBM on tax and incentives, DOST-ITDI process & requirements of technology verification
- CAI-Asia/G. Bathan - updates on AQMF from Ecology Committee

ECAP - all DOTC matters: a) possible venue for the workshop, b) list of ASGBs with convened EC/TWGs, c) secure copy of the process of developing product standards from DTI-BPS, and d) check with Road Board if TricyClean fund is qualified under MVUC.



6th Meeting of the DOE-AIM Program and Project Implementation Team, 19 August 2009, DOE

Description

DOE and AIM agreed on the following next steps in the development of the Energy Handbook and other communication materials:

1. Conduct Users-Producers Forum by the 3rd week of October with the following consideration:
 - a. determination of contents that meet the needs of DOE personnel and other major stakeholders
 - b. inclusion not only of statistics but also the methodology and assumptions used in computing energy statistics (2008 data will be published in Dec 2009)
 - c. prescription of uniform and regular mode of report submission of statistics by agency sources
 2. Schedule film viewing and basic lectures for DOE staff -- materials to be compiled by end of September
 - EPPB to schedule once or twice a week covering 7 sectors (AIM and ECAP to be invited)
 - AIM will look for transcribers, if possible
 3. ITMS to request assistance for training on developing video presentations/video production, possibly from ECAP
 4. ITMS to initiate a quarterly newsletter -- AIM and ECAP may contribute articles
- Briefing on ERC-Media Dialogue, August 20, 2009, ERC Hearing Room

Fifth Quarter Activities – ***Energy & Clean Air***

DOE Internal Meeting on Energy Statistics, 23 October 2009, DOE

Description

In preparation for the Users-Producers Forum in December 2009, DOE conducted its own internal consultation to determine the following: energy statistical sources, types of data collected, checking and validation, difficulties, and issues. Key program areas were covered: downstream oil, upstream oil, natural gas, power, coal and nuclear minerals, renewable energy and energy efficiency (see attached AIM documentation). To further encourage information sharing and publication of an energy guidebook, DOE will pursue the following next steps: a) Conduct of a roundtable discussion with market players and partners in the energy sector in mid-November to facilitate submission of required information by DOE from private players; and b) Conduct of the Users-Producers Forum sometime in December. AIM and ECAP both provide TA to DOE.



Drafting of Policy Papers for the Power Sector, October 12-30, 2009, DOE

Description

USAID-ECAP facilitated the conduct of a series of focus group discussions covering energy security (2nd week of November), competition and privatization (20th), total electrification (22nd), and good governance (16th and 19th). FGDs were divided into discussion of current and emerging issues, lectures on system thinking and policy development, film showing on Fabio Rosa and the Brazilian experience on rural electrification, and write shops. ECAP is now waiting for the EPIMB submission of inputs to policy papers.

Steering Committee Meeting for the Forum on Greening the Transport Sector, 30 October 2009, UP NCTS

Description

ECAP attended the preparatory meeting that finalized the design of the one-day Forum on November 12 at the Heritage Hotel, co-sponsored by DOTC, PCA, and CAI Asia, in cooperation with the League of Cities of the Philippines (LCP). DOTC will present the green transport strategy which will be followed by two panel discussions: a) Developing and Strengthening Policies/Program on Sustainable Transport and a) Options for Sustainable Transport. ECAP was tasked to facilitate DOE presentation on clean transport fuel options and assist in media relations.

Television interview of CAYA and CAI-ASIA, One Morning Show, 5 November 2009, NBN-4, Vizayas Avenue, Quezon City

Description

As part of the media campaign and strategy to drum up publicity and support for the Clean Air 10 Declaration and National Clean Air Month, members of the CA 10 Technical Working Group did a media-blitz that saw CAYA member Nica Zerrudo and CAYA Coordinator Pey Canlas, together with CAI-Asia's Glynda Bathan appear on the television show *One Morning*. The 15-minute interview, broadcasted on three television channels, saw a lively discussion between the three guests and show anchor Aljo Bendijo on what ordinary citizens, the youth in particular, can do to help clean the air in the country.

Forum on Green Transport, 12 November 2009, Heritage Hotel, Pasay City

Description

In its effort to promote and create momentum of support for its environmentally-sustainable transport plan, the Department of Transportation and Communications sponsored the national consultation-forum on Green Transportation at Heritage Hotel in Pasay City last November 12, 2009. Around 150 participants coming from the transport sector, academe, NGO, and various government agencies attended the event. Discussions were lively and generally productive insofar as getting the feedback and input from the transport stakeholders is concerned. USAID-ECAP provided technical assistance to the event including program design and selection of resource speakers.

Clean Air 10 Roundtable Forum and Action-Planning Workshop, 18 November 2009, Sulo Hotel, Quezon City

Description

About 130 participants coming from various sectors convened on November 18, 2009 in Quezon City to put in place action-plans that would help realize the goals and aspirations set forth in the Clean Air 10 Declaration signed by more than 300 Clean Air supporters in Marikina last June. Spearheaded by the DENR-EMB office and supported by Partnership for Clean Air, CAI-Asia, and USAID-ECAP, the event held two panel discussions in the morning highlighting good CA practices that can help bring about cleaner air since the passage of the law in 1999. In the afternoon, participants divided themselves into five clusters to discuss and agree on five action-plans their group commit to accomplish for the next five years. USAID-ECAP provided technical and organizational assistance to DENR-EMB including the designing and execution of the workshop for each cluster.

Turn-over of Air Quality Management Toolkit to DILG, ULAP, LCP, and LMP, 18 November 2009, Sulo Hotel, Quezon City

Description

The USAID and DENR, represented by Mr. Jose Dulce and Usec. Teresita Castillo, respectively, formally turned over copies to the Air Quality Management Toolkit for Local Government Units to the representatives of the local government sector headed by DILG. Austere Panadero, ULAP Executive Director Monina Camacho, LCP Program Officer for the Environment Ronald Cartagena, and LMP Program Officer for Special Projects Drexel Roque during the closing ceremony of the Roundtable Forum on Clean Air 10 at the Sulo Hotel, Quezon City last Wednesday, 18 November. USAID-ECAP shall print 500 copies of the toolkit for distribution by DILG, ULAP, and DENR.



Awarding Ceremony for the National Search for Sustainable and Eco-Friendly Schools, 19 November 2009, SM North Annex, Quezon City

Description

The first ever search for the sustainable and eco-friendly schools at the elementary, high school, and tertiary levels ended on November 19, 2009 as the DENR-EMB, together with its partners in the private sector; SMART Communications, and SM Supermalls awarded the bared the 2009 national champions at the SM North Annex in Quezon City. Winners are Penablanca East Elementary School in Cagayan for the elementary division, La Castellana National High School in Negros Occidental for the high school division, and Palawan State University for the college division. The contest was also made possible by the support of the Department of Education and Commission on Higher Education. USAID-ECAP provided gift packs to the top three winners of each division