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# **ENERGY AND CLEAN AIR PROJECT FY 2008 ANNUAL REPORT**

**(October 2007 – September 2008)**

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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.

## WHAT'S INSIDE



<b>Consolidating Our Gains of the Last Four Years</b>	<b>2</b>
<b>Highlights of FY 2008</b>	<b>3</b>
<b>Goals, Expected Results, &amp; Performance</b>	<b>4</b>
• <b>Strengthening Sector Governance</b>	<b>5</b>
• <b>Improving Policy Frameworks</b>	<b>11</b>
• <b>Increasing Public Understanding &amp; Support</b>	<b>15</b>
<b>Opportunities for FY 2009</b>	<b>20</b>
<b>Financial Report</b>	<b>22</b>
<b>Project Overview</b>	<b>23</b>

## ACRONYMS & ABBREVIATIONS

<b>ASB</b>	Anti-Smoke Belching	<b>LGU</b>	Local Government Unit
<b>CAYA</b>	Clean Air Youth Alliance	<b>LTO</b>	Land Transportation Office
<b>DENR</b>	Department of Environment & Natural Resources	<b>NEA</b>	National Electrification Administration
<b>DOE</b>	Department of Energy	<b>PAO</b>	Project Area Office
<b>DOTC</b>	Department of Transportation & Communication	<b>PEP</b>	Philippine Energy Plan
<b>ECAP</b>	Energy & Clean Air Project	<b>PMI</b>	Preventive Maintenance Inspection
<b>EE/C</b>	Energy Efficiency & Conservation	<b>RE</b>	Renewable Energy
<b>GRP</b>	Government of the Republic of the Philippines	<b>USAID</b>	US Agency for International Development

## CONSOLIDATING OUR GAINS OF THE PAST FOUR YEARS

2008 was a year of harvest.

For the energy and transport sectors, the yield came in the midst of challenging developments. The price of oil in the world market was rising and this translated to almost weekly increases in fuel pump prices in July and August. The prediction of a power supply shortage in the Visayas, as early as 2004, was slowly coming to reality. And the country heard the resounding alarms of global warming and climate change echoing all over the world.

For the Energy & Clean Air Project (ECAP) and its implementing partners the harvest was in the form of modest but noteworthy successes and milestones in the past year were reaped and moved everyone closer to the goals of **more sustainable energy use and cleaner air**. The Project has been helping plant the seeds of reforms in the energy and transport sectors since 2004. The long and sometimes painstaking wait for these seeds to grow, have been used to identify and agree on common goals, build trust and establish partnerships, and expand circles of people who can help in the cause.



During this year, ECAP and its partners realized that the wait has been worth it. That amidst threatening developments in the energy and transport sectors, the work put in during the first four years fortified them to face the challenges in 2008 and those that will continue to blight the sectors in the years to come.

All development work is a series of beginnings and endings. The endings are made by ECAP to take the opportunity to gather and put together what has been achieved at the end of each series and to start the next series of development activities built on not only what has been accomplished but also on the lessons it has learned from what the Project has failed to achieve.

All development work results in gains – both partners and workers acquire new and additional skills and competencies from the experiences of both success and failures in reaching developmental goals. To move forward and further towards these goals, ECAP and partners must mark the interim end points to consolidate the results of their efforts.

So for ECAP's FY2008 annual accomplishment report, the Project takes on the theme **Consolidating Our Gains of the Past Four Years**. This embodies the strategies and initiatives that were done and the results that were delivered during the past year. This also

connotes a prelude to the project culmination in 2009. It may be looked at as *inventory-taking* by pitting activities against delivered outputs, and further against the impacts made. It may also be viewed as *preparing* for life after ECAP when the fruits (and some, still seeds) are now transferred to the stewardship of partners and institutions who are staple farmers in the energy and transport sectors.

It enabled its partners in government, industry, and academia to gain the necessary capacities and competencies to strengthen the development and implementation of the country's policy frameworks in the energy and environment sectors.

ECAP goes back to its three (3) tasks: **strengthen sector governance, improve policy frameworks,** and **increase public understanding and support** and shares the major accomplishments achieved both for the energy and clean air components. This report features the successes and soon-to-be victories of ECAP's partners in the energy and transport sectors, and the help that has been extended by the Project to reach these milestones.

## HIGHLIGHTS OF 2008

- LGU partners in Baguio, Cebu, and Davao have all passed their **ordinances on Anti-Smoke Belching (ASB)**. The ECAP project area offices (PAOs) have been working closely with them to develop and complete the implementing rules and regulations of the ordinances.
- With local policies against smoke-belching already in place, help was also focused on implementation. ECAP granted **three (3) brand new sets of diesel smoke meter analyzers and other ASB equipment** to partner LGUs.
- The culture of planning for results was introduced by ECAP to DOE and ERC in 2005. In the past year, with the help of ECAP, the DOE expanded this initiative to a **sector-wide strategic planning effort** and to **more participatory PEP public consultation processes**.
- The Renewable Energy (RE) bill has been in waiting for almost two decades now with the DOE and other groups constantly pushing for its passage. ECAP has worked with them both in policy and communications and advocacy for the bill. Before FY 2008 ended, the **RE bill has been passed in 3<sup>rd</sup> reading** at the House of Representatives, with very bright prospects of passage and ratification before the new year comes.
- One can never go wrong by working with the youth. Awareness and understanding on energy and clean air issues among the youth has risen over the last year through the efforts of the **Clean Air Youth Alliance (CAYA) in the four (4) project sites** of ECAP.
- The power of public-private partnerships continued to work in ECAP's 4<sup>th</sup> year as a total of **US \$9.46 M was leveraged** from government, private sector, and civil society partners.

## GOALS, EXPECTED RESULTS, & PERFORMANCE



ECAP aims to achieve two (2) major goals: 1) to improve the supply of cleaner, affordable, and reliable energy for power, transport, and other applications, and 2) to reduce vehicle emissions.

This section features the major accomplishments of

ECAP over the last year in doing its three (3) tasks: **strengthen sector governance**, **improve policy frameworks**, and **increase public understanding and support** and shows the contribution to the expected results of the energy and clean air components.

For a complete list of the activities that have been accomplished for FY 2008, you may refer to ***Snapshot of Energy & Clean Air Accomplishments*** (Attachment A).

The updated ***Performance Monitoring*** tables (Attachment B) are also included as reference.

Oct 2007 – Sept 2008

## GOALS, EXPECTED RESULTS, AND PERFORMANCE

**STRENGTHENING SECTOR  
GOVERNANCE**

ECAP promotes good governance in the energy and transport sectors.

Since 2005, it has endeavoured to instil 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.

Partnerships with the industry and the academia were pursued to ensure that GRP's actions are supportive, rather than restrictive, and the goals of good governance are achieved.

For FY 2008, ECAP had major contributions in the following areas:

- Nurturing the discipline of participatory planning
- Helping distribution utilities manage risks in a competitive electricity market
- Building local government capacity to reduce vehicle emissions
- Making the practice of preventive maintenance an investment in clean air
- Taking action towards stronger power industry regulation



*Opacimeter Turn-over Ceremony at the Ateneo de Davao University (ADDU) with Hon. Amb. Kristie Kenney, Davao City Vice-Mayor Sarah Duterte, ADDU Pres. Fr. Antonio Samson, and City Officials*

## GOALS, EXPECTED RESULTS, AND PERFORMANCE

## STRENGTHENING SECTOR GOVERNANCE

## Nurturing the discipline of participatory planning



*DOE Sec. Angelo Reyes & his officials during the DOE Strategic Planning in Baguio, February 2008*

Preparing the country's energy policies, plans, and programs is one of the major mandates of the Department of Energy (DOE). ECAP has been helping the DOE in its efforts to improve and strengthen its energy planning process through more participatory public consultations. Since 2006, the Philippine Energy Plan (PEP) public consultations have included workshops which use the Technology of Participation (TOP) to solicit the inputs and recommendations from the stakeholders on the draft PEP. For 2008, ECAP and its project area offices (PAOs) have actively assisted in four (4) legs of the pubcons in the project sites.

Going back to their own backyard, the DOE bureaus and services have taken an extra mile in observing and practicing a more participatory approach to planning. In 2008, it embarked on the **Energy Sector Strategic Planning** which aimed to promote transparency, accountability, and public participation in the sector. The crucial first step of this initiative is the conduct of a strategic planning workshop for the DOE, as an organization. From December 2007 to March 2008, the DOE patiently committed to a total of nineteen (19) planning workshops which allowed the bureaus and services to:

- reflect on the roles and responsibilities they have played in the organization;
- identify gaps in functions and roles in relation to current and emerging economic, political, and technological developments in the sector; and
- identify issues and concerns that slow down performance of duties and tasks.

Through these initiatives, the discipline of planning is nurtured both in spirit and practice, feeding the growing recognition of the need to move towards more public participation in planning for plans and programs in the energy sector. There is great opportunity for the DOE to take the next step and pursue further organizational development in response to the dynamic needs of the sector.

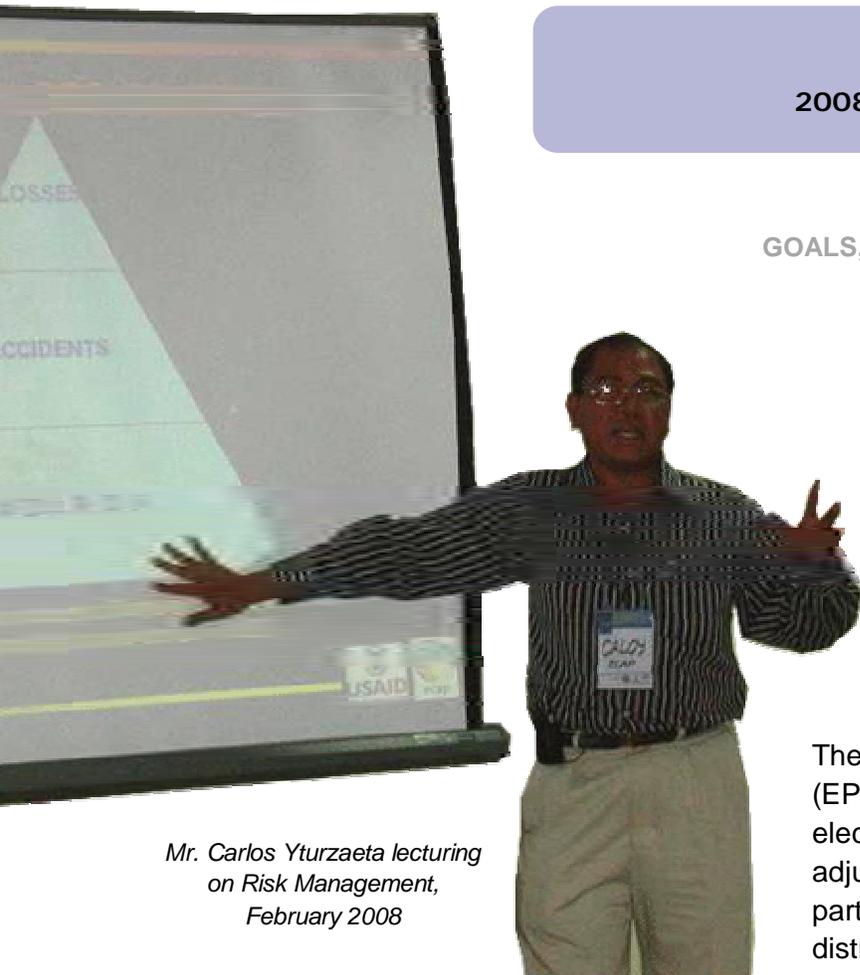
## GOALS, EXPECTED RESULTS, AND PERFORMANCE

## STRENGTHENING SECTOR GOVERNANCE

## Helping distribution utilities manage risks

The Electric Power Industry Reform Act (EPIRA) has instituted major reforms in the electricity industry that have left some players adjusting and catching up to the changes. One particular sector in the industry, is the distribution sector, which needs to adjust to new rules and dynamics brought about by the restructuring process.

*Mr. Carlos Yturzaeta lecturing on Risk Management, February 2008*



In 2008, ECAP partnered with the National Electrification Administration (NEA) in conducting the **Training Workshop on Risk Management in a Competitive Electricity Market**. This program is geared towards capacitating selected electric cooperatives (ECs) in the area of risk management to shield them from anticipated and even unforeseen changes in the industry. The training program was composed of three (3) modules and produced **47 graduates from thirteen (13) ECs and NEA**. The participants were selected from the top performing ECs nationwide.

With the vision of extending the training program to more ECs all over the country, ECAP and NEA are working with the UP National Engineering Center (UP NEC) for the inclusion of the Risk Management module that was developed and used in the program in the joint NEA-UPNEC Competency Training and Certification Program in Power Systems Engineering.



## GOALS, EXPECTED RESULTS, AND PERFORMANCE

## STRENGTHENING SECTOR GOVERNANCE

About 70% of air pollution comes from mobile sources, in particular, public utility vehicles that are mostly diesel-fed, plying our roads to provide transport service to the general public. Since 2005, ECAP has been working with drivers, operators, and the enforcers of the Clean Air Act (CAA) **to increase the compliance of diesel-powered vehicles with emission standards in its four (4) project sites.** For 2008, ECAP focused on capacitating the local government units of Baguio, Cebu, and Davao, in particular the anti-smoke belching (ASB) teams of these cities.

## Building local government capacity to reduce vehicle emissions

ECAP turned over three (3) sets of ASB equipment composed of the following: **one (1) smoke meter analyzer, one (1) set desktop computer, one (1) digital camera, and one (1) set transceiver** to aid the ASB operations of the City. To complement this equipment grants, various trainings were given by ECAP to the local government ASB enforcers:

- **205 ASB enforcers and volunteers** participated in the *Practical Workshop on Anti-smoke Belching Operations*; and
- **78 city ASB enforcers** were trained on the *Use, Calibration, and Maintenance of Smoke Meter Analyzers.*

The turnover of the ASB equipment, especially the smoke meter analyzers, signifies a milestone in the partnership that ECAP has built with its partner cities since 2004. It is a partnership borne of shared commitment towards the goal of breathing cleaner air in our cities.



City ASB Enforcers



*Hands-on PMI Lecture in Marikina, March 2008*

## GOALS, EXPECTED RESULTS, AND PERFORMANCE

### STRENGTHENING SECTOR GOVERNANCE

## Making the practice of vehicle preventive maintenance an investment in clean air

ECAP subscribes to a simple formula for clean air:

**Clean engine + clean fuel + clean driving = CLEAN AIR**

One part of this equation asks the question, **“How do you keep your engine clean?”** **243 PUV operators, drivers, and enforcers** learned the answer to this question by participating in a series of trainings on *Preventive Maintenance and Inspection (PMI) for Diesel-fed Vehicles* in ECAP’s project sites. Conducted in partnership with the DOTC – Office of Transport Cooperatives, LGU partners, and private sector (i.e. Isuzu Philippines and Driving Matters) this training series aimed to capacitate public utility transport groups on PMI and to encourage partner LGUs to assist and support transport groups improve their compliance with emission standards.

Aside from LGU partners and stakeholders in project sites, private sector partners, in particular, San Miguel Corporation and GMA Network, also requested ECAP’s assistance in capacitating their own drivers on PMI. A total of **160** fleet drivers from these two (2) organizations participated in seminars and trainings that featured PMI as one major topic.

For these trainings, ECAP was able to leverage resources with the DENR, DOTC – Office of Transport Cooperatives, DOE, LTO, TESDA, partner LGUs, Lung Center of the Philippines (LCP), and private sector (i.e. Isuzu Philippines, Driving Matters) in the conduct of these activities.

The message was clear and simple: PMI should be practised regularly and should be part of the daily regimen among vehicle owners, operators, and drivers. For this message to be easily remembered, a *Handbook on Preventive Maintenance and Inspection for Diesel-fed Engines* was produced in September 2008 as a handy and useful addition to every vehicle’s set of glove closet literature. The *Handbook*, translated to *Taglish*, provides practical instructions and tips on how to maintain and inspect one’s vehicles.

## GOALS, EXPECTED RESULTS, AND PERFORMANCE

## STRENGTHENING SECTOR GOVERNANCE

## Taking action towards stronger power industry regulation



For ERC, 2008 was a year for action.

With strong support and careful guidance from ECAP in the past years, ERC has successfully developed two plans in 2007: strategic plan and communication plan. Since then, it has taken steady steps to implement the programs and projects mapped out in its plans.

Recognizing the value of monitoring the progress of implementing its strategic plan, ERC crafted a monitoring and evaluation system (M&ES). The draft M&ES was jointly conceptualized with the Asian Institute of Management (AIM) Policy Center. Having honed its planning skills under ECAP’s TA, the Planning Division of ERC took the lead in finalizing the M&ES until it was approved by the Executive Director in August for implementation in October. Reinforcing these initiatives, ERC has also taken preparatory steps this year to formalize its partnership with AIM Policy Center, with ECAP serving as the facilitator in the past years. Seen as a sustainability mechanism, the partnership will be formally sealed in November 2008 through the signing of a memorandum of understanding.

In the area of communications, two activities were pursued during the period. The first is the strategic ad for promoting the Performance-based Ratemaking (PBR) methodology in specific franchise areas where it will be implemented by distribution utilities. ECAP provided lay-out and copy writing assistance to laymanize technical information for electricity consumers. Another communication undertaking is the development of an ERC brand, which will be applied in ERC’s tri-media activities, website, conferences, and collateral materials. Taking the lead for this effort is ERC’s Public Information Division that is backed up by ECAP with advisory assistance.

## GOALS, EXPECTED RESULTS, AND PERFORMANCE

## IMPROVING 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. Transfer of knowledge, practices, technology, techniques, tools, and templates is undertaken through expert technical advisory support.

For FY 2008, ECAP had major contributions in the following areas:

- Promoting the passage of the Renewable Energy (RE) Bill
- Ensuring the proper implementation of the Biofuels Act by drafting the National Biofuels Program
- Helping local governments in policy-making for cleaner air



## GOALS, EXPECTED RESULTS, AND PERFORMANCE

## IMPROVING POLICY FRAMEWORKS

## Promoting the passage of the RE Bill



*ECAP at the RE Coalition Exhibit Booth, World Environment Day, June 2008*

For over two decades now, the shift from fossil fuels to renewable energy sources for power and transport requirements has been echoing all over the world. In the Philippines, the use of geothermal energy, wind, biomass, and more recently, solar power for rural electrification, has been recorded in the country's history of developing, promoting, and using renewable

In 2008, the call for renewables was at its strongest as the price of oil reached record-high and the threat of climate change and power supply shortage loomed. The energy sector, led by the DOE, heeded the call and intensified efforts to put in place the Renewable Energy Bill, which was expected to solidify a policy framework for the development of an industry for renewables.

ECAP was with the DOE and the sector in each step of the way.

An RE advisory team was formed by ECAP and was tasked to conduct a comprehensive assessment of the renewable portfolio standards (RPS) in relation to other policy initiatives. The team has worked and is continue to collaborate with the DOE to finish the study which would provide technical inputs specifically on the development of the implementing rules and regulations of the Bill once it is enacted. Also critical in policy making is ensuring that the public understands and supports this major reform in the sector. The Project has worked hand-in-hand with the RE Coalition in various activities aimed at communicating the benefits of RE and garnering support for the passage of the Bill.

A year's worth of collaboration with key sector players on two (2) fronts: policy development and communications and advocacy, resulted in the approval of the RE Bill on 3<sup>rd</sup> reading at the House of Representatives. Before the year ended, interpellations were already commencing at the Senate. Fearless forecasts announced that the Bill would be ratified before the new calendar year starts.

## GOALS, EXPECTED RESULTS, AND PERFORMANCE

## IMPROVING POLICY FRAMEWORKS

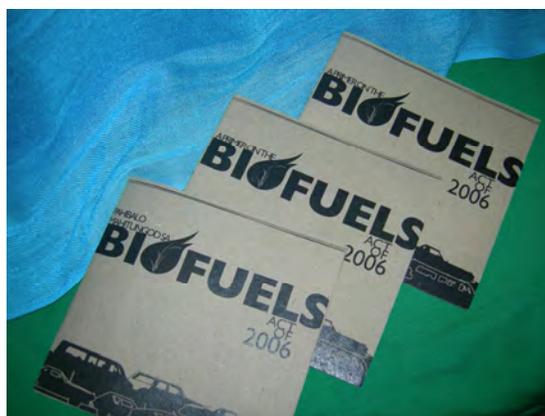
The series of oil pump price hikes in July and August of 2008 has sounded off the alarm: time's up for cheap oil! The time is now to look for indigenous, cheaper, and cleaner alternatives for transport fuel.

Once again, the energy sector was in the spotlight as the public – drivers, operators, and commuters, demanded ways to manage the pump and fare prices. This clamor for alternatives was readily responded to by the DOE, with their Alternative Fuels Program, which included in its menu the promotion and use of biofuels.

In 2006, ECAP stood beside the DOE as it embarked on its task to implement the Biofuels Act. Completing the loop of its assistance, ECAP continued to support the DOE's efforts, in 2008, towards implementation of the Act's IRR. Specifically, ECAP worked with the DOE Energy Utilization & Management Bureau (EUMB) and the Oil Industry Management Bureau (OIMB) in two (2) areas: 1) the development of the National Biofuels Program (NBP), and 2) the drafting of a program for the Phase-out of Harmful Gasoline Additives.

Working with the DOE, the National Biofuel Board (NBB), and various inter-agency technical working groups, ECAP provided technical advisory support, which has resulted in the approval of the NBP last September 2008 and the completion of a draft Phase-out Program ready for public consultation.

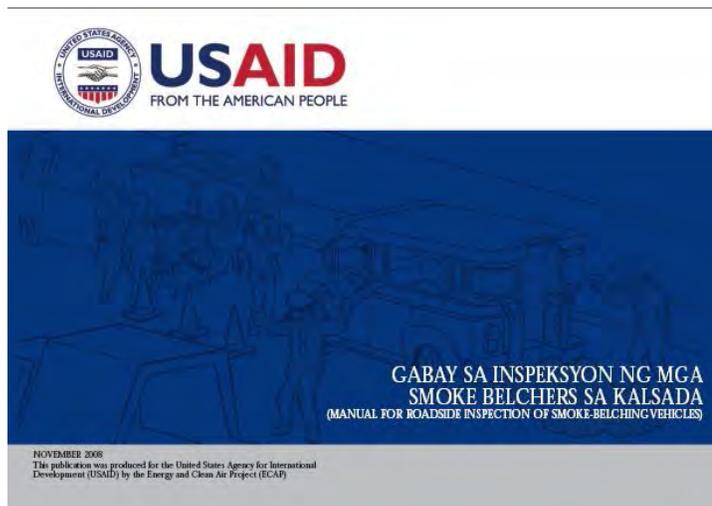
## Ensuring the proper implementation of the Biofuels Act



## GOALS, EXPECTED RESULTS, AND PERFORMANCE

## IMPROVING POLICY FRAMEWORKS

## Helping local governments in policy-making for cleaner air



The template ordinance on anti-smoke belching that was developed by ECAP in 2006 has gone a long way. More than just a pro-forma piece of legislation, it reminded local government units of their right to breathe cleaner air through their vested authority and capacity in their respective jurisdictions.

For two (2) years now, ECAP's partners in its project sites have taken on the challenge to develop local policies against smoke belching. The ECAP project area offices (PAOs) have been constant partners of the LGUs in the whole process of putting the ordinance in place. From drafting of the ordinance, to its approval, all the way to the development and approval of its IRR, the PAOs have assisted in enhancing the technical content and in facilitating the whole ordinance process.

Towards the end of FY 2008, Baguio City has approved its ASB ordinance after the 3<sup>rd</sup> and final reading. The cities of Cebu and Davao, on the other hand, are currently finalizing their ASB ordinance IRRs. The City of Marikina also asked for the assistance of ECAP in the development of its own ASB ordinance. ECAP has willingly responded to the request by providing technical advisory and process support to the Marikina City Environment and Natural Resources Office (CENRO).

These developments in policy-making signify the willingness and intent of the LGUs to take the task of cleaning the air in their own hands.

## GOALS, EXPECTED RESULTS, AND PERFORMANCE

## INCREASING 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 and extends the reach of reform initiatives for improved outcomes.

For FY 2008, ECAP had major contributions in the following areas:

- Creating a youth force for energy and clean air reforms
- Promoting clean energy and clean air through health advocacy and entertainment
- Transforming academic partners into local energy & clean air hubs



*CAYA delegates with Noel Cabangon at the BagatHangin Musikahan 2008 Battle of the Bands, June 2008*

## GOALS, EXPECTED RESULTS, AND PERFORMANCE

## INCREASING PUBLIC UNDERSTANDING &amp; SUPPORT

A new kind of “people power” is brewing – one that is led by the youth, championing the cause towards more sustainable use of energy and cleaner air. FY 2008 witnessed the coming together of the Clean Air Youth Alliance (CAYA) in all of ECAP’s project sites in Baguio, Cebu, Davao, and Metro Manila. Now composed now of around 50 youth organizations, with a reach of over 10,000 students and young members, CAYA is working together to achieve its vision of *becoming a community of youth that inspires people into action, brought together by a shared commitment and passion that brings into reality the goal of sustainable energy use and cleaner air for every generation of Filipino.*

Throughout the year, CAYA activities in their respective localities were done to 1) properly organize the local chapters and coalitions, and 2) introduce the coalition to local partners such as the city government, academic community, and civil society partners. These efforts resulted in the active involvement of CAYA members in various activities of ECAP’s partners in the project sites such as emission testing operations, seminars and trainings, and promotions and advocacy events. Hon. Ambassador Kristie Kenney, on several occasions, has witnessed how CAYA is recognized by the local governments and agencies in Baguio, Cebu, Davao, and Metro Manila, as partners in energy and clean air reform efforts.

The successful 1<sup>st</sup> National CAYA Assembly held in July, provided an avenue for sharing and bonding among CAYA delegates from different chapters. It also served as a way to formally introduce the coalition to national government agencies and private sector partners in the energy, environment, and transport sectors. Following this gathering, capacity-building for CAYA members in ECAP’s various sites are in the pipeline to empower and strengthen them as local youth advocates and partners for change.

## Creating a youth force for energy & clean air reforms



*(Top) CAYA contestants at the Amazing Energy & Clean Air Race in Davao City, May 2008; (Bottom) CAYA delegates with Lou Bonnevie at the Bagathangin Musikahan Battle of the Bands 2008*

## GOALS, EXPECTED RESULTS, AND PERFORMANCE

## INCREASING PUBLIC UNDERSTANDING &amp; SUPPORT

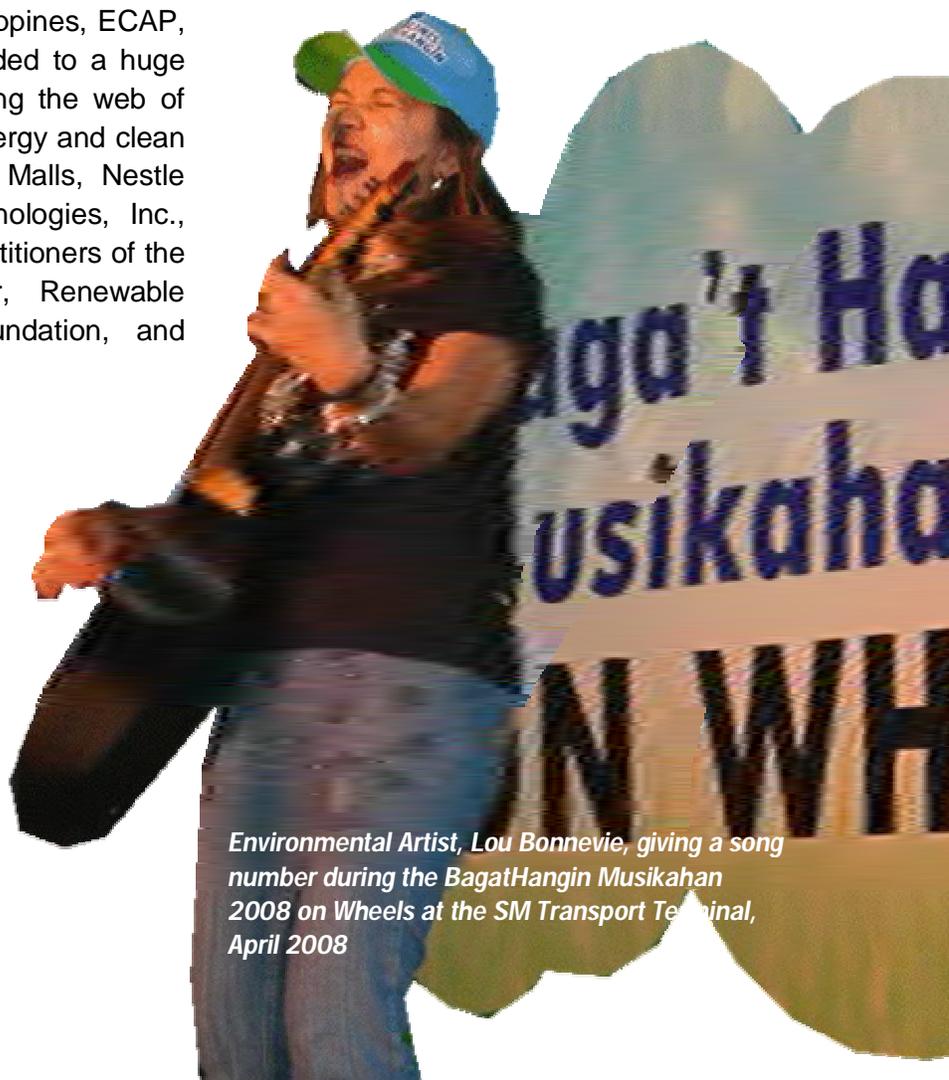
## Promoting clean energy & clean air through health advocacy and entertainment

Energy and clean air issues stem from bigger concerns such as climate change and global warming and branch out to related interests such as health impacts. For the second year in a row, ECAP has maximized the interconnection of these issues through the synergy of information, education, and entertainment.

Baga'tHangin Musikahan (which translates to Concert for Lungs and Air) is a brand that is slowly becoming popular among the general public as a variety event that celebrates clean air and health advocacy through music. For FY 2008, two (2) major events were staged, in particular, the Baga'tHangin Musikahan On Wheels! Advocacy and Medical Mission at the SM Transport Terminal and Baga'tHangin Musikahan: Not Cool to Be CO<sub>2</sub>L Battle of the Bands.

What started as a partnership among the DENR-EMB, DOE, Lung Center of the Philippines, ECAP, and Dimitri Productions, has expanded to a huge network of partners in 2008. Joining the web of private sector partners promoting energy and clean air issues are GMA Network, SM Malls, Nestle Philippines, PLDT, Chemrez Technologies, Inc., Association of Respiratory Care Practitioners of the Philippines, VRP Medical Center, Renewable Energy Coalition, Ms. Earth Foundation, and Partnership for Clean Air.

This gradually expanding network and more popular means of using entertainment are expected to reach wider and more mainstream audiences in Metro Manila. The potential for bringing this initiative outside of the National Capital Region is huge as the issues of energy, clean air, climate change, health, and the Filipinos love for music and entertainment cuts across regional and island boundaries.



*Environmental Artist, Lou Bonnevie, giving a song number during the Baga't Hangin Musikahan 2008 on Wheels at the SM Transport Terminal, April 2008*

## GOALS, EXPECTED RESULTS, AND PERFORMANCE

## INCREASING PUBLIC UNDERSTANDING &amp; SUPPORT

## Transforming academic partners into local energy and clean air hubs



They primarily served as ECAP's local offices in its project sites in Baguio, Cebu, Davao, and Metro Manila. But over the last four (4) years, expectations have been reached and even exceeded as the ECAP project area offices (PAOs) slowly started to play the role that was originally envisioned for them – *to become local energy and clean air hubs in their respective areas.*

The role that the PAOs have played in ECAP project sites has transcended to more than just providing support to the program management team at the head office. Over the years, the PAOs have been seen by local beneficiary agencies as the following:

- 1) **Facilitators** of processes leading towards dialogue, consultation, participation, action, and change. The PAOs are recognized by local partners in the project sites as moderators, mediators, and facilitators of different processes that foster exchange of ideas and participation among stakeholders.

The Ateneo de Davao University, for example, has worked with the City government for the whole journey of passing an Anti-smoke Belching Ordinance and at present, in finalizing its implementing rules and regulations (IRR). More recently, through an ECAP-ADDU roundtable discussion on energy efficiency and conservation (EE/C), Davao City Councilor Pilar Braga initiated a draft resolution to develop a local ordinance on EE/C. These kinds of offshoots from ECAP-PAO activities signify a promise of sustained efforts even beyond the life of ECAP;



- 2) **Resource persons** to discuss and brainstorm ideas with and to share their knowledge and expertise on various technical capacity-building activities. The PAOs have become staple participants in various technical working groups (TWGs) and ad hoc committees created by the local governments for initiatives concerning energy and air quality management.

In Cebu, the University of San Carlos (USC) ECAP PAO has been tapped by the Cebu City Government in the conceptualization and implementation of the **Power Sentry**, a campaign on energy conservation for selected secondary schools. This is just an example of a number of activities and projects initiated by ECAP's local partners where the PAOs have been invited to and consulted on; and



- 3) **Knowledge managers** for energy and clean air reforms. It starts with knowing where to get the knowledge, meeting experts and sources of this knowledge, and then fostering an environment for its continuous sharing and expansion. The PAOs have reached out to colleges and universities in their respective sites and took informal inventories of experts, researches, and initiatives related to energy and clean air issues.



The University of the Cordilleras (UC) has long fostered cooperation among schools, colleges, and universities, who are members of the Energy & Clean Air Network of the Academe (ECADEME) in Baguio and Benguet. For 2008, Davao has also followed suit with the establishment of ECADEMIA for Davao City and Mindanao. The Affiliated Non-conventional Energy Centers (ANECs) is also another group of academic institutions which ECAP has started to work with in 2008. The ECAP PAOs are planning to initiate activities with the ANECs, for them to explore the possibility of becoming "virtual" energy centers or regional offices of the DOE.

## OPPORTUNITIES FOR FY 2009

ECAP sees FY 2009 as a big chance to help produce more results and increase the impact of reforms in the energy and transport sectors. Another year allows ECAP and its implementing partners to **continue** unfinished businesses, **create** new responses to developments in the sectors, and **venture** into “new-growth areas” which go beyond ECAP’s life.

For FY 2009, ECAP sets the stage for passing the torch to partners to ensure that the efforts and initiatives which have been nurtured for the last 4 years will be sustained. To do this, four (4) major approaches have been identified:



- **Facilitate government and academia partnerships.** As a third party, the academia can demonstrate government’s commitment to communicate openly and encourage the various stakeholders’ involvement in the process. The academia can continue its initiatives until plans are implemented, initiate subsequent discussions, as well as create networks and relationships between and among stakeholders.
- **Secure strategic partners and strengthen stakeholder support for sector reforms.** Three critical approaches are used to support the passage of enabling laws and policies: (a) advisory support through technical experts to ensure soundness of a bill, (b) strengthening the process of conducting public consultations to ensure wide and active public participation, and (c) coalition building to encourage public support and advocacy. It is also worthwhile to note the role that the LGUs play in this approach. ECAP places high importance on the possible contribution of LGUs in successfully implementing projects that would utilize indigenous energy and promote energy efficiency and conservation. As such, the LGUs in ECAP’s project sites remain to be the crucial partners for this approach.

- **Unlock financial resources for energy & transport sectors.** There are several untapped financial opportunities for existing groups of constituents to continue supporting the goals and thrust of the energy & transport sector. Through planning, program development, and market forums, financing institutions and project proponents will be capacitated to support major elements of the energy plan, renewable energy, energy/fuel efficiency, and community-based air quality management.
- **Develop and install mechanisms to sustain and institutionalize the planning process.** National government agencies like the DOE and DOTC and local government units must build a sense of ownership and accountability of stakeholders regarding sector plans & programs and their respective roles and responsibilities. Strategic planning and stakeholder consultation exercises must conclude with the motivation for the participants to organize and act on recommendations after the events and see through plan implementation.



Through these approaches, ECAP hopes to accomplish and even go beyond its three (3) tasks. The commitment of ECAP for FY 2009 is to foster and create an environment for informed discussion leading towards decisive action on issues. This Project mission for the coming year shall feed into strengthened governance, improved policy frameworks, and increased public support for reforms in the energy and environment sectors.

# Project Overview

## ❖ About ECAP

5-year technical assistance project, funded by the US Agency for International Development (USAID), operating in four (4) project sites: Baguio, Cebu, Davao, & Metro Manila.



## ❖ Project Goals & Components

**Energy:** Increase the supply of clean, affordable, indigenous energy

**Clean Air:** Reduce vehicle emissions

## ❖ Implementing Partners

- Department of Energy (DOE) & the Energy Family
- Energy Regulatory Commission (ERC)
- Department of Environment & Natural Resources (DENR)
- Department of Transportation & Communications (DOTC)

## ❖ Project Area Offices

- Baguio: University of the Cordilleras
- Cebu: University of San Carlos
- Davao: Ateneo de Davao University
- Metro Manila: Ateneo School of Government

## ❖ Areas of Assistance

**Energy:** strategic planning, renewable energy, alternative fuels, energy efficiency & conservation

**Clean Air:** strategic planning, anti-smoke belching, preventive maintenance inspection, non-motorized transport



