

FY 2012: Ongoing Locally-Funded Projects

Project Title	Implementing Unit	Description	Objective/s	Outputs	Project Cost	Accomplishments
1. Detailed Resource Assessment of Low Enthalpy Geothermal Areas	Geothermal Energy Management Division – Renewable Energy Management Bureau (GEMD-REMB)	<p>The project will be implemented in four (4) years starting 2011.</p> <p>The project is related to the locally-funded project entitled "<i>Resource Assessment of Low Enthalpy Geothermal Resource in the Philippines</i>", which started in 2007 until 2011 but was terminated in 2009 due to budget constraints.</p>	<p>The project aims to conduct a detailed assessment of three (3) potential low enthalpy geothermal areas identified in previous field appraisals particularly for power generation application in the remote areas hosting the resource. These resources may be developed for power generation, and yield other uses in the tourism and agricultural sector.</p>	<p>1) Identify the factors needed in the development of low enthalpy geothermal resources for power generation that will serve as the template for future similar projects;</p> <p>2) By the end of the geological, geochemical and geophysical surveys, drilling targets and the drilling of slim holes should be done on the most promising geothermal area; and</p> <p>3) Additional geoscientific data gathered on the Philippine low-enthalpy geothermal resources.</p>	FY 2012 Approved Budget: Php 20,288,000.00.	<p><u>As of 3Q 2012:</u></p> <p>1) Conducted socio-Economic Studies; Coordinated with concerned LGU's and community; Reconnaissance Geological and Geochemical Survey on the three (3) candidate areas namely: Balut Island, Saranggani, Banton Island, Romblon and Maricaban Island, Batangas.</p> <p>2) Conducted monitoring, inspection/site visit and evaluation of existing and proposed Geothermal RE Service contractor</p> <p>3) Conducted geological and geochemical survey of new geothermal prospect areas (Porac, Pampanga; Angeles City; Capas, Tarlac; Talim Island in Binangonan and Cardona</p>
				4)		
2. Household Electrification Program (HEP) in Off-Grid Areas Using Renewable Energy	Solar and Wind Energy Management Division – Renewable Energy Management Bureau (SWEMD-REMB)	The project will be implemented in seven (7) years in line with the objective of achieving a 90 percent	The project aims to electrify 2,000 household using solar home systems and other available	1) Institutionalize community organizing through enhanced capability of Barangay Power Associations (BAPA) in	FY 2012 Approved Budget: Php 116,041,000.00	<p><u>As of 1Q 2012:</u></p> <p>1) Awarded contract for the procurement of goods and services (3,200 PV SHS)</p>

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		household electrification level by 2017.	renewable energy sources of a particular off-grid area.	project management and operation and maintenance of RE systems; 2) Rehabilitate in-operational RE installations; and, 3) Extend services to scattered households in far flung sitios.		2) Conducted social preparation activities at the beneficiary areas in collaboration with TEFI 3) Conducted technician's training of EC/LGU beneficiaries 4) Conducted Rapid Rural Appraisal of new target areas for the HEP 2012 target (6,000 households) 5) Finalized target beneficiary areas and seek approval of the Secretary 6) Facilitated procurement of PV systems
3. Biofuels Program	Biomass Energy Management Division – Renewable Energy Management Bureau (BEMD-REMB)	This project aims to promote the use of biofuels (biodiesel and bioethanol) as cleaner alternative fuel, develop the national biofuels development plan, to conduct techno-economic and viability study for expanded utilization of biodiesel (power generation, marine transport and industries) and to conduct vehicle performance testing for higher biofuel-blends and resource assessment of other viable biofuel feedstocks.	The project aims to implement the Biofuels Law, Biofuels Manufacturing Plants Inspection and Monitoring and to conduct Sectoral Meetings, Consultations and IEC Activities.		FY 2012 Approved Budget: Php 16,824,000.00	<u>As of 1Q 2012:</u> 1) Various Meetings and Workshops - Conducted meetings and workshops 2) In-Country Training on RE - Conducted Training (Capacity Building for REMB Staff) (includes training supplies) 3) Evaluation/ Registration/ Accreditation of Biofuels Facilities - Conducted inspection/ site visits and sample taking (travel expenses) 4) MMSU Project on Village Scale

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						Production on Hydrous Ethanol 5) Advertising - Publications (DC 2011-12-0013) (Philstar/PDI)
4. Alternative Fuels for Transportation and Other Purposes	Alternative Fuels and Energy Technology Division – Energy Utilization Management Bureau (AFETD-EUMB)	The project aims to enhance fuel diversification through the use of cleaner and more efficient energy resources in the transport sector and other purposes. It will use alternative fuels such as natural gas, auto-LPG, hydrogen as clean alternative transport fuels.	The following items are the project's objectives: 1) Program implementation on the use of Compressed Natural Gas in the transport sector initially through the pilot project; 2) Promotion of the diversification of the country's fuel resources in the transport sector; development of standards; 3) Carrying out information, Education, and Communication (IEC) nationwide on the use of Liquefied Petroleum Gas in transport; and 4) Research study on the potential of hydrogen as energy source for the transport, industrial, and commercial sectors/hydrogen.		FY 2012 Approved Budget: Php 9,597,000.00	<u>As of 1Q 2012:</u> <u>NGVPPT:</u> 1) Monitoring and commercial operation of CNG-NGVs related facilities - 41 CNG buses monitored; 1 site visit and inspection conducted at the CNG Mother and Daughter Stations on 27 January 2012 at Tabangao, Batangas and Biñan, Laguna respectively. 2) Inspection/re-inspection/test runs of OEM/Re-powered CNG buses with NGVPPT-TWG - 2 Steering Committee Meetings conducted on the NGVPPT Pilot Phase 3) Issuance of Certificate of Accreditation - 1 CA issued to PNOC-EC (Category IV: CNG Refueling Station) 4) Technology assessment and evaluation - Finalization of the three (3) NGVPPT Memorandum of

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						<p>Agreements <i>Auto LPG:</i> 1) Conduct monitoring, assessment, validation and IEC Activities of Auto LPG Program - Statistics of Auto LPG taxis (19,052) and conversion shops (31) monitored; 1 Forum attended on Health Research Effect of LPG at Welfare Compound, Mandaluyong City on 10 January 2012 2) Policy Formulation on LPG utilization for transport - 2 Auto LPG leak tests to taxis were conducted with the DOH Study Group at LTFRB Resealing Station on 30-31 January 2012; 1 MOA drafted between DOE and UP on the On-road Testing of Auto LPG and Electric Vehicles</p>
5. National Energy Efficiency and Conservation Program	Energy Efficiency and Conservation Division – Energy Utilization Management Bureau (EECD-EUMB)	This program aims to make energy efficiency and conservation (EE&C) a way of life. Specifically, the program aims to cushion the impact of increases in prices of petroleum products and electricity through the implementation of energy efficiency and	The project aims to further strengthen energy efficiency and conservation.		FY 2012 Approved Budget: Php 12,302,000.00	<p><u>As of 1Q 2012:</u> 1) Transfer Fund to Philippine Information Agency - Funds transferred: December 2011 – Php 12,000,000.00 and Php 4,000,000.00 charged under 2009 and 2011 Budget, respectively 2) Transfer Fund under</p>

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		conservation measures, promote cost avoidance/savings on fuel and electricity without sacrificing productivity, get firm savings commitments from identified sector groups and help protect the environment.				2011 Budget to Development Academy of the Philippines - Funds not yet transferred; Waiting for the submission of liquidation papers – Php 4,000,000.00 3) Transfer Fund under 2012 Budget to UP-National Engineering Center - Funds transferred in July 2012 – Php 6,000,000.00
6. Oil Industry Deregulation Management Program	Oil Industry Management Bureau (OIMB)	This program is basically earmarked to ensure effective enforcement of Executive Order 377 providing for the smooth coordination among all government agencies concerned in the implementation of RA 8479. It will provide guidance and assistance to new industry participants, undertake activities that will contribute in strengthening consumer protection. It will continually educate and inform the public and key sectors of society on the benefits of deregulation in the oil industry and provide technical support to the programs and activities	The main objective of the project is to successfully implement the Downstream Oil Industry Deregulation Law.	<ol style="list-style-type: none"> 1) Verification of existence/operation of new players; 2) Conduct of site visits for prospective storage for stockpiling; 3) Distribution of calibrating buckets to selected LGUs to check accuracy of delivery of dispensing pumps in gasoline stations; 4) Coordination meetings for the implementation of the Gasoline Station Lending and Financial Assistance Program (GSLFAP); 5) Conduct of management and skills training for the establishment and operation of gasoline stations; 6) Granting of low interest loans through the Gasoline Station Lending and Financial Assistance Program (GSLFAP) to qualified applicants who wish to put up a gasoline 	FY 2012 Approved Budget: Php 9,908,000.00	<u>As of 1Q 2012:</u> <ol style="list-style-type: none"> 1) Distribution of calibrating buckets to selected LGUs to check accuracy and delivery of dispensing pumps in gasoline station - Purchased six (6) calibrating buckets for eventual doation to the LGUs 2) Coordination meetings for the implementation of the Gasoline Station Lending and Financial Assistance Program (GSLFAP) - Conducted Skills and management Course for GSLFAP on March 5-7, 2012 with 18 participants 3) Conducted management and skills training for the

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		of the LPG and Liquid Fuels Task Forces.		station business; 7) Other coordination meetings/IEC to inform various stakeholders of the recent updates in the rules and regulations governing the downstream petroleum industry (DPI); 8) Strengthening and Advancing a Favorable Market Environment through the Efficient and Effective Implementation of an LPG Industry Program (Safe LPG); 9) LPG Steering Committee Meetings and other coordination meetings to enhance consumer welfare; 10) Focused Inspection (Integrated Approach); 11) Communication Plan for the DOI - 2nd Phase activities relative to the development and implementation of a ComPlan; 12) Conduct of Activities on Facilities and Petroleum Products' Standards Development and Formulation; 13) Ad Materials/Press Releases; and 14) Seminars and Conferences.		establishment and operation of gasoline stations 4) Other coordination meetings/IEC to inform various stakeholders of the - Conducted Public Transport Forum on 29 February 2012; Conducted/attended IEC on DOI 1-2 February 2012; Attended meeting with various government agencies on "Rapid Health Assessment on LPG Taxi" on 8 February 2012; Meetings conducted. 5) Strengthening and Advancing a Favorable Market Environment through the Efficient and Effective Implementation of an LPG Industry Program ("SAFE LPG") - Conducted IEC in five (5) areas respectively: 15 March, 17 March, 27 March, 28 March, and 29 March 2012 6) LPG Steering Committee Meetings and other coordination meetings to enhance consumer welfare - Coordinated with Fort Bonifacio's Serendra Gas

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						<p>Company, 14 March 2012; Conducted meeting with congressman Arnel Ty, LPGRA, LPGIA, and other Industry Players, 06 February 2012</p> <p>7) Focused Inspection (Integrated Approach) - Coordinated with LGUs in Bicol Provinces for the conduct of Focused Inspection on 5-10 March 2012</p> <p>8) Communication Plan for the DOI - 2nd Phase activities relative to the development and implementation of a ComPlan - Conducted Consultation Meeting for the 2012 Work Plan of Activities on 02 February 2012</p> <p>9) Conducted activities on Facilities and Petroleum Products' Standards and Development and Formulation</p> <p>10) Ad Materials / Press Releases - Published the awardees/ winners during the DOE-DTI BAGWIS awarding ceremony held on 1 March 2012 (Chargeable against DOE-PIA)</p>

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						Communication Initiatives Project) 11) Seminars and Conferences attended Local: Energy Forum; OIMB Execution Planning Workshop; Inspection / Meeting on Biofuels Implementation; UP ASEAN Center Forum; Data Exchange Protocol/ITMS Foreign: Security ASEAN+3 Energy Froum, 12-16 February 2012
7. Energy Investment Promotion (EIP) Project	Investment Promotion Office (IPO)	The project will be implemented in three (3) years. It includes the conduct of investment for a, road shows, development of comprehensive standardized investment promotional materials and publishing of the Energy Investment Guidebook which will include a checklist of requirements and procedures and pro-forma applications of the Department and other agencies as well.	The project aims to accelerate the promotion and generation of investments in the energy sector.	<ol style="list-style-type: none"> 1) Publications: <ul style="list-style-type: none"> - Compendium/Directory of Energy Stakeholders - Annual Investment Kit - Brochures - Energy Investor Guidebook (update) 2) CDs on investment prospects 3) Investment fora, business meetings, conferences 4) Establish network of focal persons with government agencies and energy family for the Energy One-Stop-Shop 5) Inbound/Outbound study tours and trade missions 6) Capacity Building 	FY 2012 Approved Budget: Php 3,058,000. 00	<u>As of 1Q 2012:</u> <ol style="list-style-type: none"> 1) Mindanao Energy Investment Forum - Conducted preparatory activities (The activity is rescheduled on June 20, 2012) 2) Bidding of IT Equipment - Undertook PHILGEPS posting and BC-TWG evaluation (There was a lone bidder and out of the 6 equipment, only 3 will be awarded. The remaining equipment are for re-bid.) 3) Sectoral Energy Investors guidebook - Conducted preparatory activities
8. 2010 Household Energy Consumption Survey (HECS)	Policy Formulation and Research Division - Energy Policy and	The project is in its 4 th series of implementation since	The main objective of the project is to generate	1) A national survey on energy consumption by end-use for the residential sector	FY 2011 Continuing Appropriations: Php 2,856,264.45	<u>As of 3Q 2012:</u> Data Processing by NSO:

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	Planning Bureau (PFRD-EPPB)	<p>its inception in 1989 with the actual enumeration scheduled in April 2011 as a key component in developing an effective household energy strategy for the country.</p> <p>The conduct of this activity had encountered difficulties of conducting it on a regular basis every five years due to budgetary constraints. This has been done in 1989 with funding from World Bank, and 1995 and 2004 under regular budget of the Department.</p>	comprehensive and reliable data/information and analysis on end-use energy consumption of the residential sector in the country which is essential in formulating and implementing policies and programs that aim to improve the quality of life of Filipinos.	<p>conducted;</p> <p>2) Updated end-use energy database</p> <p>3) Energy demand and supply outlook/trend and energy demand forecasting and modeling enhanced; and,</p> <p>4) In-depth analysis on energy consumption of the household sector and final report on the household energy consumption survey</p>		<p>1) Processing at NSO Central Office</p> <ul style="list-style-type: none"> - Prepared systems design - Prepared edit specifications - Prepared table specifications <p>2) Training</p> <ul style="list-style-type: none"> - Conducted first level (Regional) training - Conducted second level (provincial) training <p>3) Archival Processing at the NSO Field Offices</p> <ul style="list-style-type: none"> - Data encoding/ machine processing <p>4) Processing at the NSO Central Office</p> <ul style="list-style-type: none"> - Certification pass of the completeness and machine validation/ edit - Merging of files - Generation of statistical tables - Ongoing data evaluation
9. Development of a Nuclear Power Program for the Philippines	Policy Formulation and Research Division - Energy Policy and Planning Bureau (PFRD-EPPB)	The continuing volatility of fossil fuels in the world market, the concern about global warming due to greenhouse gas emissions, and the growing emphasis on energy security has resurrected worldwide interest on nuclear power as one of the viable energy options for power generation. This new wave of interest on nuclear	The project's main objective is to develop a Philippine Nuclear Power Program which will serve a roadmap for developing, rebuilding or strengthening the 19 infrastructure areas for a nuclear option, consistent with the prescriptions of the International Atomic energy Agency (IAEA).	<p>1) Evaluate the status of the 19 infrastructure areas attendant to a nuclear power program for the Philippines;</p> <p>2) Set of recommendations that will address the gaps to be identified in these infrastructure issues;</p> <p>3) Accomplish priority activities which are necessary to gain support for launching a nuclear power program; and,</p> <p>4) Well-trained personnel involved in the nuclear power program.</p>	FY 2011 Continuing Appropriations: Php 101,267,000.00	<p><u>As of 3Q 2012:</u></p> <p>Special Allotment Release Order No. A-12-00748 was released by DBM on September 12, 2012 realigning Php 62,233,452 previously released for the Development of a Nuclear Power Program for the Philippines, as follows:</p> <p>1) Fueling Sustainable Transport Program – Php 25,220,200</p> <p>2) Procurement of</p>

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		<p>power in the international energy circles has led to what is aptly called as the "nuclear renaissance". As a net energy importer, the Philippines is once again looking into the prospects of developing a nuclear power program to support its own development needs. It has considered nuclear as a long-term energy option as embodied in the Philippine Energy Plan 2009-2030.</p> <p>The project will be implemented for a period of two (2) years, starting from January 2011 to January 2013.</p>				<p>Power Generation Planning Software – Php 22,950,000</p> <p>3) Support to Task Force on Anti-Oil Smuggling Initiatives – Php 14,063,252</p>

FY 2012: Ongoing Foreign-Assisted Projects

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1. Philippine Energy Efficiency Project (PEEP)	Asian Development Bank and GoP	The Philippine Energy Efficiency Project (PEEP) is a project of the Philippine Government which is being implemented by the Philippine Department of Energy (DOE). It involves a series of activities that aims to reduce electricity consumption in the	<p>The current key objectives of the project are:</p> <p>1) Retrofitting of about 135 government Buildings with energy efficient lighting systems (EELS) and the establishment of a model for large-scale implementation in the public sector;</p>	<p>The components of PEEP are as follows:</p> <p>Component 1.1: Retrofit of Government Office Buildings</p> <p>Component 1.2: National Residential Lighting Program</p> <p>Component 1.3: Public Lighting Retrofit Program</p> <p>Component 1.4: Energy</p>	Total project cost (loan/grant/GoP): Php 2,092,500,000 (US\$ 46.58M)	<p><u>As of 3Q 2012:</u></p> <p>1) CFL Distribution</p> <ul style="list-style-type: none"> - Distributed 4,936,380 (under Lot 1) - Procurement process for the CFL Lot 2 Distribution was completed by the 2nd Quarter of 2012. For the 3rd Quarter, inventory

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		residential and public sectors, reduce the peak load power demand, reduce health risk associated with residual mercury and kerosene (in the off grid areas) and establish a certification process for energy and environmentally efficient commercial buildings. The Asian Development Bank (ADB) is supporting the project by way of a loan and grant assistance. PEEP has a total approved budget of US\$ 46.5M consisting of a loan component amounting to US\$ 31.1M, a grant component amounting to US\$ 1.5M and Philippine Government counterpart fund of US\$ 13.9M. The Loan Agreement between the Philippine Government and ADB took effect in May 2009. The International Institute for Energy Conservation (IIEC) was contracted in March 2010 to serve as Project Implementation Support (PIS). The project implementation period is extended up to March 2013 while the loan validity period is up to June 2013	<p>2) Distribution of 8.6 Million Compact Fluorescent Lamps (CFLs) amongst residential consumers nationwide;</p> <p>3) Successful demonstration of efficient street lights and traffic lighting in local government units; and the establishment of a model for standardizing public lighting and large scale implementation;</p> <p>4) Expansion of the capacity of Lighting and Appliance Testing Laboratory (LATL) to conduct efficiency testing on a wider range of appliances and the accreditation of the laboratory to ISO 17025;</p> <p>5) Procurement of a Lamp Waste Management Facility (LWMF) and the establishment of a business model for collection of lamp waste and the operation of the facility;</p> <p>6) Establishment of an efficient building rating system in the Philippines for new and retrofitted buildings.</p>	Efficiency Testing and Lamp Waste Management Component 2.2: Efficient Building Initiative Component 3: Communication and Social Mobilization The current composition of the project components is the result of the reassessment and re-evaluation conducted by DOE on PEEP in the 2nd quarter of 2011 which was approved by ADB on 26 October 2011 and by the National Economic Development Authority (NEDA) and the Department of Finance (DOF) on 28 October 2011.		<p>and sampling activities were conducted, assisted in the distribution of CFLs in NCR and participated in the soft launching of CFL distribution. Note that 3.6M CFLs (under Lot 2) were awarded for distribution through Congressional Districts/Party List (2.33M) and DSWD (1.27M)</p> <p>2) Retrofitting of government buildings</p> <ul style="list-style-type: none"> - Completed retrofitting of 35 buildings during the 1st Quarter of 2012; verified and validated as completed during 2nd Quarter of 2012. - Procurement process for the proposed expansion of retrofitting of 100 government buildings in Luzon (outside Metro Manila), Visayas and Mindanao were conducted <p>3) Retrofitting park lights in Burnham Park in Baguio City</p> <ul style="list-style-type: none"> - Installation of various types of luminaires was completed 2nd

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						<p>week of November 2011. A total of 314 new luminaires have been installed</p> <p>4) Retrofitting of street lights in CDO</p> <ul style="list-style-type: none"> - Installation of various types of luminaires was completed 2nd week of November 2011. A total of 2008 new luminaires for roadway lighting were installed <p>5) Retrofitting of 159 traffic light intersections with LEDs</p> <ul style="list-style-type: none"> - Retrofitting of 159 traffic intersections was completed by 30 April 2012 <p>6) Awarding installation of the LED SHS in 223 off-grid HH</p> <ul style="list-style-type: none"> - Installation of LED SHS in all the targeted areas Aklan, Antique, Palawan and Davao were completed 28 September 2012 <p>7) Replacing with LED of 88 traffic intersections</p> <ul style="list-style-type: none"> - ADB issued NOL on FBER on 21 September 2012 <p>8) Retrofitting of street lights 2-4 km radius from NAIA</p> <ul style="list-style-type: none"> - Technical Bid Evaluation Report

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						<p>(TBER) was submitted to ADB on 24 September 2012</p> <p>9) Enhancing of EE Testing Facilities</p> <ul style="list-style-type: none"> - Awarded Equipment for Refrigerators, TV, and Washing machines; Standards development (TV and WM) and accreditation for Refrigerators and RACs <p>10) Establishing of Lamp Waste Management Facility</p> <ul style="list-style-type: none"> - Procurement of Facility: Response to the clarification requested by ADB on the coverage of the Bid Price of MRT Systems was submitted on 2 July 2012. On the same day ADB issued its NOL on the Contract to Award - The PNOC Board passed a resolution on 27 September 2012 authorizing its subsidiary PNOC Development Management Corporation (PDMC) to operate and manage the LWMF on a demonstration mode subject to

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						the following conditions: DOE-PEEP shall bear all the required funding to establish, manage and operate the LWMF ; PNOC shall exit from the project in the event the demonstration mode is satisfied; DOE-PEEP shall bear all costs related to the abandonment of the project
2. Electric Cooperative System Loss Reduction Project (ECSLRP)	World Bank – Global Environment Facility (GEF)	<p>ECSLRP involves the following:</p> <ol style="list-style-type: none"> 1) Use of IMC to attract private investors to manage and operate eligible ECs under long-term, performance-based contracts, and to mobilize private finance without recourse to the government; 2) Facilitate ECs’ access to affordable commercial loans through the provision of partial credit guarantee coverage (up to 80%); and 3) Provides capacity building and technical assistance to support the implementation of the PCG Program such as technical assistance to key 	ECSLRP aims to achieve significant and sustained energy efficiency improvements in ECs in order to provide current and prospective viable EC customers with reliable and least-cost power supply over the long term through removal of barriers to entry of private sector investments in system loss reduction.	The components of ECSLRP are as follows: <ol style="list-style-type: none"> 1) Partial Credit Guarantee Program 2) Capacity Building 	Total project cost (grant): US\$ 12M	<p><u>As of 2Q 2012:</u></p> <ol style="list-style-type: none"> 1) LGU Guarantee Corporation (LGUGC), the Program Manager for EC-PCG, was able to book Nueva Ecija I Electric Cooperative, Inc. (NEECO I) under the said program. NEECO I, LGUGC and Allied Bank signed the loan and guarantee agreements on 6 June 2012 for NEECO I loan of PhP173.540 million from Allied Bank. As of 30 June 2012, there are 13 ECs enrolled under the EC-PCG Program of ECSLRP, corresponding to PhP1.62 billion investments of private funds to the ECs 2) Conducted the following eight(8)

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		stakeholders (DOE, NEA, ECs, ERC, LGUGC and financial intermediaries) to ensure and facilitate project implementation, monitoring and evaluation.				meetings/ activities, attended/ participated in five (5) activities, facilitated two (2) activities, and updated eight (8) memoranda/ letters .
3. Philippine Industrial Energy Efficiency Project (PIEEP)	UNIDO and Co-financing of the DOE, Land Bank, Bank of Philippine Islands and Development Bank of the Philippines	The project will train Filipino national experts in both the optimization of steam, compressed air and pumping systems and in energy management while at the same time introducing these concepts to participating industrial enterprises that will directly benefit from the project implementation. Outputs will include greenhouse gas emission reductions from savings in the use of fuel and electricity attributable to systems improvements undertaken by the participating industrial enterprises. The project will also build capacity for industries in order to introduce an energy management standard – ISO 50001 – an international energy management standard published early 2011. Compliance with this new ISO standard will provide an incentive for continuous attention to	The project aims to introduce ISO 50001 energy management system along with system optimization approach for improvement of industrial energy efficiency of the Philippines.	The components of PIEEP are as follows: 1) Energy Management (Integration of Energy Management System/ ISO50001) 2) Systems Optimization (Steam, Compressed-air, Pumping Systems) 3) Enhancement of Financial Capacity (EE Financial Criteria)	GEF: US\$ 3.17M Co-financing: US\$ 24M	<u>As of 3Q 2012:</u> Completed Activities: 1) National Inception Workshop 2) National Awareness Workshop on EnMS/ ISO50001 3) Industrial User's Training on EnMS/ ISO50001 4) Industrial User's Training on EnMS/ ISO50001 5) National Expert's Training on EnMS/ ISO50001 (Module 1)

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		improved energy use efficiency.				
4. Alliance for Mindanao and Multi-Regional Renewable/Rural Energy Development III (AMORE III) Program	USAID, Winrock International, SunPower Corporation and DOE	<p>AMORE III is a partnership program among USAID, Winrock International, SunPower Corporation and DOE that supports the Philippines' Energy Sector Reform Agenda on rural electrification using renewable energy. As such, DOE provides policy direction, monitoring and supplemental co-shared funds on its off-grid rural electrification projects sourced-out from Energy Regulations No. 1-94, as amended.</p> <p>The project will be implemented from October 1, 2009 to September 30, 2013.</p>	<p>The project aims to contribute to the improvement of the quality of life of 28,813 households and about 59,527 students in selected regions in the Philippines through:</p> <ol style="list-style-type: none"> 1) Improved quality and continuous access to lighting at household level through renewable energy; 2) Better family health conditions in terms of less cases of waterborne diseases; and, 3) Improved school performance of children in terms of higher achievement scores. 	<ol style="list-style-type: none"> 1) Households with access to solar PV technology and micro hydro power <ul style="list-style-type: none"> - 8,867 households including those given through micro hydro power 2) Households/Individuals with access <ul style="list-style-type: none"> - 19,946 households 3) Schools electrified through solar PV technology <ul style="list-style-type: none"> - 174 schools, equivalent to about 59,527 students 	Total project cost: US\$ 6,000,000.00	<p><u>As of 1Q 2012:</u></p> <ol style="list-style-type: none"> 1) Energized 2,297 households with either SHS, Solar Lantern and micro-hydro; 2) Construction of 2 MHPs (Lobo and Sepaka) in South Cotabato to commence next quarter, assuming funding is released by the DOE per Memorandum Agreement 3) Provided 26,883 students (13,769 male; 13,114 female) with access to improved quality of education through solar PV-powered TV/DVD and ICT coming from 74 schools energized with either 420 Wp PV systems (66 schools) or about 1kWp (8 schools) across 8 provinces and 2 cities in Mindanao and 2 provinces and one city in Luzon 4) Strengthened capacities of 14 companies, 5 micro entrepreneurs, 3 micro-finance institutions, 3 local associations and over 60 BRECDAs in rural

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						RE service delivery; trained 462 (212 male; 250 female) individuals on solar PV technical maintenance and troubleshooting, WASH system operation and maintenance, and other technical trainings 5) Provided 9,021 rural households representing at least 53,174 individuals (27,668 male; 25,506 female) access to safe water
5. Philippine-Japan Project for Introduction of Clean Energy Using Solar Power Generating System	Japan Grant Aid	The project shall demonstrate the effectiveness and efficiency of net metering-connected solar photovoltaic power systems under Republic Act No. 9513	The project aims for the adaptation to and mitigation of climate change as well as on the Improvement of access to clean energy	Solar PV Generating Facility	Total project cost (grant): 600 Million Yen	<u>As of 4Q 2011:</u> Under coordination with Ayala Management for final implementation (Implementation of the project was delayed due to the aggressive development plan of Ayala Management at the Market Market Mall)