

FY 2015 PHYSICAL PLAN

DEPARTMENT/AGENCY : ENERGY

| Particulars | UACS Code | FY 2014 Accomplishments | | | FY 2015 Physical Targets | | | | | Variance | Remarks |
|---|-----------|-----------------------------|------------------------------|----------------------|--------------------------|----------------|----------------|----------------|---------------------|----------|---------|
| | | Actual (Jan 1 - Sept 30) | Estimate (Oct 1 - Dec 31) | Total | Total | 1st Quarter | 2nd Quarter | 3rd Quarter | 4th Quarter | | |
| 1 | 2 | 3 | 4 | 5=3+4 | 6=7+8+9+10 | 7 | 8 | 9 | 10 | 11=6-5 | 12 |
| Part A | | | | | | | | | | | |
| I OPERATIONS | | | | | | | | | | | |
| MFO 1 ENERGY SECTOR POLICY SERVICES | 301000000 | | | | | | | | | | |
| Number of plans and policies updated, formulated, monitored and recommended for adoption and implementation | | 5 plans;14 policies | 1 plan; 5 policies | 6 plans; 19 policies | 4 plans; 5 policies | 2 plans | 2 plans | 2 plans | 4 plans; 5 policies | | |
| Average % of stakeholders who rate the plans and policies as good or better | | 87% | - | 87% | 80% | | | | 80% | | |
| % applications of certificate of endorsement (COE) for investment in the energy sector processed | | 100% (299 out of 299) | | 100% | 100% | | | | 100% | | |
| MFO 2 PROMOTION OF ENERGY SECTOR INNOVATION | 302000000 | | | | | | | | | | |
| Promotion and Technical Assistance: | | | | | | | | | | | |
| No. of promotional events undertaken | | 120 | 59 | 179 | 101 | 15 | 32 | 28 | 26 | | |
| No. of technical advisories provided to entities promoting energy development | | | 609 | 609 | 22 | 3 | 3 | 3 | 13 | | |
| % of entities who rated energy audit as good or better | | | | | 90% | | | | 90% | | |
| % of requests for energy efficiency audits responded within 1 week | | 100% (39 out of 39) | | 100% | 85% | | | | 85% | | |
| Energy Efficiency: | | | | | | | | | | | |
| No. of energy efficiency audits provided to government agencies | | 29 | 10 | 39 | 60 | 15 | 15 | 15 | 15 | | |
| MFO 3 ENERGY SECTOR REGULATION | 303000000 | | | | | | | | | | |
| Registration and Processing: | | | | | | | | | | | |
| No. of applications for permits, service/ operating contracts, and accreditations processed | | 1,312 | 300 | 1,612 | 1,851 | 444 | 476 | 488 | 443 | | |

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|--|-----------------------|--|--|-----------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|---------------------------|----------------------|
| | | Actual (Jan 1 - Sept 30) 3 | Estimate (Oct 1 - Dec 31) 4 | Total 5=3+4 | Total 6=7+8+9+10 | 1st Quarter 7 | 2nd Quarter 8 | 3rd Quarter 9 | 4th Quarter 10 | | |
| No. of analytical tests conducted in support of energy exploration activities, Biofuels Law, RE Law and Clean Air Act within the prescribed period | | 5,695 | | 5,695 | 9,030 | 2,250 | 2,265 | 2,250 | 2,265 | | |
| % of energy service contracts/permits/ certificates of registration awarded/issued in 9 months | | 97% (589 out of 604) | | 97% | 70% | | | | 70% | | |
| Supervision and Monitoring: No. of energy establishments and facilities/ power plants monitored and inspected with reports issued | | 1,108 | 600 | 1,608 | 2,119 | 315 | 732 | 550 | 522 | | |
| % of projects approved and inspected under ER 1-94 Program | | 100% (219 electrification projects and 48 support projects approved) | | 100% | | | | | | | |

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|--|----------------|--|--------------------------------|----------------|---|---------------|--------------|
| | | Actual (Jan 1 - Sept 30) 3 | Estimate (Oct 1 - Dec 31) 4 | Total 5=3+4 | | | |
| Part B | | | | | | | |
| Oil Industry Deregulation Management Program | 404040001 | <p>A. Conducted Focused Inspection in the province of Pampanga on 15-20 September 2014:</p> <ul style="list-style-type: none"> · Coordination and consultation meetings with LGUs on the conduct of Focused Inspection · Conducted two (2) IECs on the results of Focused Inspection to Industry stakeholders, LGUs and other consumers held in the cities of San Fernando and Angeles <p>B. Conducted Actual Hands-On Seminar on the calibration and sealing of a Dispensing Pump in the following areas:</p> <ul style="list-style-type: none"> · Dipolog City, Zamboanga del Norte (September 16, 2014) · Pagadian City, Zamboanga del Sur (September 18, 2014) <p>C. Initiated dialogues with LGUs in the cities of Dipolog and Pagadian in the needed local ordinance for calibration and sealing of dispensing pumps</p> <p>D. Facilitated and participated in the conduct of Multi-Sectoral Advocacy Campaign in the Downstream Oil Industry held In Dipolog and Pagadian Cities, Zamboanga Del Sur</p> <p>E. Conducted IEC in Cavite State University (August 20,2014)</p> <p>F. Facilitated the procurement of office and other supplies.</p> | | | (1) Techno-economic and viability study for other biofuel feedstock i.e., macroalgae, cassava, sweet sorghum and waste vegetable oil; (2) Accreditation, inspection and monitoring of biofuels production facilities; (3) Validation/resource assessment of biofuels feedstock plantation sites; (4) Coordination, monitoring of R and D projects and activities on biofuels; (5) IEC and dissemination campaigns on biofuels including implementation plan for the proposed biodiesel (B5) 5% blend mandate; (6) Monitor the implementation of the National Biofuels Program; (7) Conduct of vehicle (brand new) performance testing using higher biofuel blends (up to E20 and B20) | | |

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| Biofuels Program | 404040002 | <p>A. Continuing conduct of monitoring, inspection / site visit and evaluation of existing and proposed biofuels/biomass projects and facilities nationwide.</p> <p>1. 21 Biofuels Production Facilities / Projects:</p> <ul style="list-style-type: none"> - Accredited: Biodiesel – 11 Bioethanol – 5 - Registered with Notice to Proceed: Bioethanol – 5 <p>2. 67 Biomass Projects / 1 Pending Application</p> <p>3. 22 Biodiesel and 7 Bioethanol Facilities were inspected and monitored for compliance to PNS (biofuel projects were monitored twice a year for PNS Compliance)</p> <p>4. 67 Biomass Projects / Facilities inspected and monitored</p> <p>B. Continuing implementation of MOA with Philippine Information Agency (PIA) for IEC Campaign and Advocacy Plan for the National Biofuels Program.</p> <p>C. Purchase of office supplies, collateral materials, and laboratory equipment.</p> <p>D. Development of test protocol and conduct of actual on-road and performance testing using brand new vehicles for higher biofuels blends (biodiesel / bioethanol.)</p> <p>E. Continuation of implementation of MOA with Technological University of the Philippines (TUP).</p> <p>F. Continuation of implementation of biofuels projects using alternative feedstock (esterified used vegetable oil, sweet sorghum, cassava, and microalgae).</p> <p>G. Continuation of implementation of MOA with Cavite State University on Biogas Technology Assessment in the Philippines (2 MOAs).</p> | | | (1) Prepare 1 policy issuance; (2) Nationwide implementation of 5% biodiesel blend; (3) Conduct of 10 IEC activities; and (4) Accredited 1 biofuel manufacturer | | |

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| Alternative Fuels for Transportation and Other Purposes | 404040003 | <p>Alternative Fuels:</p> <p>1. Conducted IECs in Luzon (3), Visayas (5), and Mindanao (1)</p> <p>NGVPPT:</p> <p>1. Deployed 34 units of CNG buses</p> <p>2. Bidding for equipment and civil works for construction and commissioning of 2 units of modular CNG stations. Award of winning bidder is awaiting approval from PNOC-EC Board of Directors</p> <p>Auto-LPG Program:</p> <p>1) Registered 11,977 AutoLPG taxis</p> | | | Deploy 100 units of CNG buses | | |
| Household Electrification Program in Off-Grid Areas using Renewable Energy Systems | 404010001 | <p>A. Installed 2,942 Solar Home Systems under Amended HEP 2011 (92% completed) and 1,734 Solar Home Systems under HEP 2012 – 2nd Batch (51% completed).</p> <p>B. Finalized the list of 3,200 household beneficiaries for energization under Amended HEP 2011; 3,400 household beneficiaries for energization under HEP 2012 – 2nd batch; and 6,900 household beneficiaries for energization under HEP 2013. Dispatch Orders for the same were issued to its respective contractors.</p> <p>C. Conducted three (3) solar photovoltaic technology technicians training for the beneficiary LGUs, DUs and ARECs under HEP 2013.</p> <p>D. Facilitated the issuance of Procurement Contract and the corresponding Notice to Proceed for HEP 2014 – Lot 2, which composed of 6,342 household beneficiaries.</p> <p>E. Facilitated the finalization of site beneficiaries for the Photovoltaic Street Lighting Project (932 units) in typhoon Yolanda Devastated Municipalities and endorsed the same to the Contractor.</p> | | | <p>Seek the Secretary's approval for the energization of 5,400 households</p> <p>Other targets include: (1) Develop criteria in the selection of household beneficiaries; (2) Conduct rapid rural appraisal (RRA); (3) Create database of household beneficiaries; (4) Prepare project proposal and seek the approval of the Secretary; (5) Evaluate existing Barangay Electrification Projects for possible rehabilitation; (6) Prepare rehabilitation plan and seek approval of the Secretary; (7) Facilitate procurement of renewable energy systems; (8) Conduct community organizing activities at the beneficiary areas; (9) Supervise installation of renewable energy systems; (10) Conduct technical inspection and physical inventory of installed RE systems</p> | | |

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| | | F. Facilitated the processing of the Memorandum of Agreement between the Department and concerned ARECs for the implementation of micro-hydro projects in Palawan and Negros Occidental. | | | | | |
| Comprehensive Resource Assessment of Philippines' Low Enthalpy Geothermal Areas | 404020001 | <p>A. BAC has approved the Resolution recommending for the Approval by the secretary the Award of Contract thru Public Bidding the Procurement of Services for the Contract-out Slimhole Drilling Service to Diamond Drilling Corp. of the Philippines (DDCP) on June 19, 2014</p> <p>B. Submitted the Final Resource Assessment and Geothermal Modelling in Banton and Balut Islands on May 30, 2014.</p> <p>C. Completed Contract-out services for integrated geoscientific survey by FEDs in the three (3) candidate areas: Banton, Balut and Maricaban Islands on April 16, 2014.</p> <p>D. Awarded the Contract-out Service for Integrated Geoscientific Survey in Maricaban Island to FEDS Energy Resources and Development Service Inc. (FEDS) on Dec. 13, 2013</p> <p>E. Awarded the Contract-out Service for Integrated Geoscientific Survey in Balut and Banton Islands FEDS Energy Resources and Development Service Inc. on May 31, 2013</p> <p>F. Establishment of a Work Program after FEDS conducted an inception workshop on 23 December 2013. The tentative schedule for geoscientific survey will commence on 10 February 2014.</p> <p>To date, the Contract-out Slimhole Drilling Services was already awarded to DDCP on August 4, 2014 with the issuance of Notice to Proceed (NTP). DDCP has a scheduled inception workshop/technical presentation on Aug. 19, 2014 at the REMB Conference Room as part of the provisions in the contact/TOR.</p> | | | (1) Awarding of bid (contracted out services for integrated geoscientific survey (3 areas) | | |

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| Detailed Wind Resource Assessment | 404020002 | <p>A. Conducted on-site monitoring and maintenance of three (3) meteorological masts (met-masts) in the following sites:</p> <ul style="list-style-type: none"> · Brgy. Malasin, San Jose City, Nueva Ecija; · Brgy. Fatima, Pantabangan, Nueva Ecija; and · Brgy. Poblacion East, Pantabangan, Nueva Ecija. <p>B. Troubleshooting of two (2) met-mast installed in the Province of Nueva Ecija.</p> <p>C. Ongoing permitting for the three (3) candidate sites for the installation of met-masts.</p> <p>D. Ongoing procurement of one (1) unit of met-mast and one (1) lot of office equipment and supplies.</p> <p>E. Processing of Amendment to the Memorandum of Agreement (AMOA) with Central Luzon State University (CLSU) to provide additional funds for the decommissioning, refurbishment, transfer, installation and re-commissioning of three (3) met-masts in the Province of Nueva Ecija.</p> <p>F. Provided assistance to ADB's Quantum Leap in Wind Power Development in Asia and the Pacific (QLW) in the Processign of necessary permits / agreements required in the installation of met-masts in the following areas:</p> <ul style="list-style-type: none"> · Nasugbu, Batangas; · San Isidro, Northern Samar; · Kananga, Leyte; · Culasi, Antique; and · Guimbal, Iloilo. <p>G. Processing of Memorandum of Agreement (MOA) with ADB for the implementation of wind measurement campaign under the QLW Project. The DOE, through the WRAP project, will assume the sustenance of the campaign in four (4) areas nationwide after the conclusion of the QLW Project in 2015.</p> | | | (1) Site selection; (2) Procurement; (3) Monitoring and maintenance of five (5) met-masts; (4) Data collection and management; (5) Training on data analysis; and (6) Reporting | | |

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| Establishment of Technical Capability on Quality Testing of LPG Auto gas as Alternative Fuels | 404040006 | <p>A. Collected five (5) samples from Unioil Station in Kalentong Auto-LPG refilling station</p> <p>B. Conducted fieldwork in Cebu and collected 14 autogas samples from three (3) dispensing stations (Pryce Gas, Petron and Petronas) on August 11-15, 2014.</p> <p>C. Validated / verified five (5) ASTM Methods using samples collected from refilling stations.</p> <p>D. Prepared four (4) operating instructions for the following equipment</p> <ul style="list-style-type: none"> • Reid Vapor Apparatus • Wickbold Apparatus • Pressure Hydrometer for Relative Density • Copper Corrosion Apparatus <p>E. Conducted one (1) foreign training on the operation and troubleshooting of Gas Chromatograph which was held in Taiwan on August 25-29, 2014.</p> | | | | | |
| Ocean Energy Potential Resource Assessment Project | 404020004 | Opening of bids done on 07 July 2014. | | | <p>(1) Identify potential sites for energy development</p> <p>(2) At least 30 sites were already posted on the web or published in a generation circulation</p> <p>(3) Acquired geophysical and database equipment</p> | | |

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| Health, Safety, Security and Environment (HSSE) Program for Natural Gas Facilities in the Philippines | 404040004 | <p>A. The BAC TWG and end-user conducted post-qualification on EOil, the sole bidder last August 1, 2014 in Los Baños Laguna. NGMD, as end-user, has recommended EOil for this particular procurement since it passed / complied with the requirements as specified in the TOR. However, BAC-TWG has provided a disqualification notice for several grounds. The bidder was given three (3) working days to file its request for reconsideration, together with the opportunity to submit other supporting documents to substantiate its claim, which had been complied.</p> <p>B. On October 9, 2014, the BAC-TWG held a meeting to inform the end-user of its final decision after evaluating the appeal made by the consultant. Based on the evidences, the sole bidder failed to comply with the legal requirements of the bidding. Therefore, the decision shall be presented to the BAC for its finality.</p> | | | (1) Draft 1 policy/circular; (2) Finalize and approve 1 HSSE manual; (3) Develop 4 operating standards for natural gas facilities; (4) Create 1 HSSE program/ implementation plan; (5) Conduct of 6 consultation/focus group meetings | | |

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| National Energy Efficiency and Conservation Program | 40403001 | <p>A. Recognition Award</p> <p>1. Don Emilio Abello Energy Efficiency Awards</p> <ul style="list-style-type: none"> • Evaluated 486 quarterly energy consumption reports of 61 companies to determine recipients of the Don Emilio Abello Awards. • Plant visits were conducted in 24 manufacturing industries and commercial establishments to verify significant savings generated and the implementation of energy efficiency and conservation programs in their respective firms. <p>B. Draft Energy Conservation Bill</p> <p>An Expert's Workshop cum Write-shop on Energy Efficiency and Conservation Bill was conducted.</p> <p>C. Government Energy Management Program</p> <ol style="list-style-type: none"> 1. 16 Energy Audit Spot Checks were conducted. 2. Issued 6 Certificate of Savings to Government Agencies / Offices 3. Air-conditioning system evaluation audit report was prepared by EECD Audit Team on the probability of replacing existing non-inverter air-conditioning units with inverter-type ACUs at DOE Building. 4. 1 walk-through audit was conducted at Direct Data Captured Philippines. <p>D. Promotion of EE&C through DOE Field Offices and EECD-EUMB</p> <ol style="list-style-type: none"> 1. 3 EE&C Seminars for Households 2. 1 GEMP Seminar for Government Employees 3. Conducted Energy Audit Spot Check in Government Buildings 4. 2 In-house briefings on EE&C and GEMP were conducted by EECD-EUMB. | | | (1) Continue implementation of Government Energy Management Program (GEMP); (2) Conduct of awareness campaign program for government employees under GEMP; (3) Conduct of IEC/awareness campaign seminars on energy efficiency and conservation for commercial, industrial, transport and household sectors; (4) Conduct of IEC/awareness campaign under "Do Right, Be Bright, Bright Now!" campaign through public advocacy events such as such as fuel economy run, earth hour, etc, tri-media and social media campaigns; (5) Recognition Awards (Don Emilio Abello Energy Efficiency Award/ASEAN Energy Awards; (6) Energy Management Advisory Services and Energy Audit; and (7) Energy Consumption Monitoring (commercial, industrial, transport and government office buildings) | | |

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| | | E. Peer Review on Energy Efficiency The 2nd Peer Review on Energy Efficiency was hosted by DOE in collaboration with Asia Pacific Economic Cooperation (APEC) through its arm the Asia Pacific Energy Research Center (APERC) to assess the performance of the Philippines in terms of energy efficiency. The review Team headed by Mr. TokatoOjimi, President of APERC visited 4 companies under the sugar, cement, glass and building sectors. | | | | | |