

## X. DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

### A. OFFICE OF THE SECRETARY

#### STRATEGIC OBJECTIVES

##### MANDATE

The Department shall be the primary government agency responsible for the conservation, management, development, and proper use of the country's environment and natural resources, specifically forest and grazing lands, mineral resources, including those in reservation and watershed areas, and lands of the public domain, as well as the licensing and regulation of all natural resources as may be provided for by law in order to ensure equitable sharing of the benefits derived therefrom for the welfare of the present and future generations of Filipinos.

##### VISION

A nation enjoying and sustaining its natural resources and a clean and healthy environment

##### MISSION

To mobilize our citizenry in protecting, conserving, and managing the environment and natural resources for the present and future generations.

##### KEY RESULT AREAS

1. Transparent, accountable and participatory governance
2. Poverty reduction and empowerment of the poor
3. Integrity of the environment and climate change adaptation and mitigation

##### SECTOR OUTCOME

1. Improved conservation, protection and rehabilitation of natural resources
2. Improved environmental quality
3. Enhanced resilience of natural systems and communities

##### ORGANIZATIONAL OUTCOME

1. Environment and Natural Resources Sustainably Managed
2. Ownership of Agrarian Reform Beneficiaries (ARBs) in Public Agricultural Lands Ensured

##### PERFORMANCE INFORMATION

##### KEY STRATEGIES

1. Good and shared governance characterized by transparency, accountability and integrity;
2. Consultative and participatory planning and budgeting, implementation, monitoring, and evaluation of programs and projects (e.g., engagement of Civil Society Organizations, Local Government Units, and other stakeholders;
3. Enhanced / strengthened information, education, and communication and advocacy campaign;
4. Adoption and implementation of poverty reduction programs;
5. Proper resource use and allocation and equitable access to resources;
6. Rehabilitation and restoration of degraded ecosystems through conservation-oriented and ecologically sensitive practices and techniques;
7. Use of scientific-based information and technologies as output of research and development as bases for policy and decision-making;
8. Efficient and effective enforcement of environmental laws and regulations;
9. Develop and enhance database and networking system both for internal and external users; and
10. Build capacities of implementing organizations, partner agencies and other stakeholders.

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)	BASELINE	2015 TARGETS
Environment and Natural Resources Sustainably Managed		
Open and degraded / denuded areas rehabilitated	FY 2010: 6.8M hectares forest cover	Forest cover increased from 6.8M hectares to 8.1M hectares by 2015  FY 2015: 300,000 hectares
Percentage change in number of identified illegal logging hotspot areas	31 Hotspot areas	31 Hotspot areas neutralized
Ownership of Agrarian Reform Beneficiaries (ARBs) in Public Agricultural Lands Ensured		
Completed distribution of 2.5M hectares under CARP	Total: 2.5M hectares	56,071 patents issued to ARBs in public agricultural lands covering the remaining 44,857 hectares or 1.79% of total target by 2015
MAJOR FINAL OUTPUTS (MFOs) / PERFORMANCE INDICATORS (PIs)	2015 Targets	
MFO 1: ECOSYSTEM POLICY SERVICES		
Plans and Policies		
Number of plans and policies developed, updated, issued and disseminated		8
Average percentage of stakeholders that rate plans and policies as satisfactory or better		80
Average percentage of plans and policies updated, issued and disseminated over the last 2 years		100
MFO 2: ECOSYSTEM MANAGEMENT SERVICES		
Rehabilitation		
Number of hectares of ecosystems under management for rehabilitation		450,000
Number of technologies (information, product, process and service) disseminated/adopted		7
Percentage of stakeholders who rate DENR ecosystems rehabilitation as satisfactory or better		80
Management		
Number of hectares under management		1,615,206.49
Percentage of stakeholders who rate DENR ecosystems management as satisfactory or better		80
Percentage of areas of ecosystems under management assessed within the last 2 years		14
MFO 3: ECOSYSTEM REGULATION SERVICES		
Permit Issuance		
Number of permits and clearances issued		3,200
Percentage of permittees complied fully with the conditions		80
Percentage of permit and/or clearance applications acted upon within 7 working days from date of receipt		80
Monitoring		
Number of sites and facilities monitored and/or inspected with report issued		30
Percentage of survival rate of planted seedlings		80
Percentage of sites that have been inspected more than twice in the last 2 years		80
Enforcement		
Number of violations and complaints acted upon and report issued		50
Number of violators issued with show caused, formally charged and cases filed		50
Percentage of detected violations that are resolved or referred for prosecution within the number of days prescribed under the law		50

NOTE : Exclusive of Targets funded from other sources, e.g. Special Account in the General Fund.

## B. ENVIRONMENTAL MANAGEMENT BUREAU

## STRATEGIC OBJECTIVES

## MANDATE

The Bureau is mandated to implement the following national environmental laws: PD 1586 (Philippine Environmental Impact Statement System of 1978), RA 6969 (Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990), RA 8749 (The Philippine Clean Air Act of 1999), RA 9003 (The Ecological Solid Waste Management Act of 2000), RA 9275 (Philippine Clean Water Act of 2004), and RA 9512 (Environmental Awareness and Education Act of 2008). Under E.O. 192, Bureau is mandated to provide Research and Laboratory Services; and serve as Secretariat in the adjudication of pollution cases. Under E.O. 320, Bureau is designated as the Secretariat of the Designated National Authority for Clean Development Mechanism of the Kyoto Protocol to the United Nations Framework Convention on Climate Change.

## VISION

A nation empowered to protect our finite natural resources, attuned to the pursuit of sustainable development, for a clean and healthy environment that enhances the Filipino quality of life for present and future generations

## MISSION

To protect, restore and enhance environmental quality towards good public health, environmental integrity and economic viability

## KEY RESULT AREAS

Integrity of the environment and climate change adaptation and mitigation

## SECTOR OUTCOME

Environmental quality for a cleaner and healthier environment improved

## ORGANIZATIONAL OUTCOME

Clean and Healthy Environment Sustained

## PERFORMANCE INFORMATION

## KEY STRATEGIES

1. Develop systems and mechanisms for improved monitoring and enforcement of environmental laws through the establishment of strong support systems to include among others the following: streamline processing of permits, computerization system, centralized database management, strengthening legal services and partnership programs with local government units and other stakeholders, upgrading of laboratory facilities, capacitating of personnel, implement National Information, Education and Communication Program and promote multi-media monitoring scheme
2. Develop, review and evaluate the effective implementation of environmental policies (Air, Water, Toxic Chemicals and Hazardous Waste, Solid Waste, Climate Change Adaptation and Environmental Impact Assessment)

## ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)

## BASELINE

## 2015 TARGETS

Clean and Healthy Environment Sustained

Reduced PM10 level

FY 2013: 78 micrograms(ug) per  
normal cubic meter(NCM)

10% reduction or 70.2 ug / NCM  
in Metro Manila by end of 2015

FY 2015: 3.9 ug / NCM

Increased number of classified water bodies	FY 2013: 635 classified principal / priority rivers	3.5% increase or 679 principal / priority rivers by end of 2015
		FY 2015: 22 classified principal / priority rivers
Increase in number of LGUs within Manila Bay Region with 10-year Solid Waste Management Plan	Total Target: 178 LGUs	Completed 50 LGUs by end of FY 2015
		FY 2015: Complete 48 LGUs started in 2014

## MAJOR FINAL OUTPUTS (MFOs) / PERFORMANCE INDICATORS (PIs)

## 2015 Targets

## MFO 1: ENVIRONMENTAL REGULATION SERVICES

## Permit Issuance

Number of permits and clearances issued	25,743
Percentage of permit/clearance holders incurring one or more violations in the last three years	10
Percentage of permit and/or clearance applications issued earlier than the prescribed timeframe	60

## Monitoring

Number of sites/facilities monitored and/or inspected with reports submitted	27,781
Percentage of submitted reports that resulted in the issuance of Notice of Violations and penalties imposed	10
Percentage of sites/facilities or areas that have been inspected more than twice in the last two years	50

## Enforcement

Number of Notice of Violations issued arising from regular monitoring/survey or cases/complaints acted upon	162
Percentage of compliance in relation to the number of Notice of Violations issued (baseline year - last three years Notice of Violations issued)	10
Percentage of cases/complaints acted upon or resolved earlier than the prescribed timeframe	80

NOTE : Exclusive of Targets funded from other sources, e.g. Special Account in the General Fund.

## C. MINES AND GEO-SCIENCES BUREAU

## STRATEGIC OBJECTIVES

## MANDATE

The Mines and Geosciences Bureau is the primary government agency under Department of Environment and Natural Resources (DENR), responsible for the conservation, management, development and proper use of the country's mineral resources including those in reservations and lands of public domain.

In pursuing the mandate, it envisions a mining and minerals industry that is not only prosperous but also socially, economically and environmentally sustainable, with broad community and political support while positively and progressively assisting in the government's program on revitalizing the minerals industry and contribution to the general economic well-being of the nation.

## VISION

MGB envisions to be an enabler of a mining industry that is not only prosperous but also socially, economically and environmentally sustainable, with broad community and political support while positively and progressively assisting in government's programs on poverty alleviation and contributing to the general economic well-being of the nation. It also aims to become the leading geoscience and geo-resources agency serving the public and nation with scientific reliability.

## MISSION

The MGB, as steward of the country's mineral resources, is committed to the promotion of sustainable mineral resources development, aware of its contribution to national economic growth and countryside community development. It fully recognizes that the development of a responsive policy framework in partnership with stakeholders to govern mineral exploration, mining and investment decisions and an effective institutional structure, are fundamental requisites for the sustainable utilization of the country's mineral resources. It is adherent to the mineral promotion of geological studies as an integral element of socio-economic development, environmental protection and human safety. Yet, it is sensitive to the known environmental impacts of mining and the need for restoration and rehabilitation of mining affected areas and the development and adoption of environmental and geoscientific technologies.

## KEY RESULT AREAS

Climate Change Adaptation and Mitigation

## SECTOR OUTCOME

Natural resources conserved, protected and rehabilitated

## ORGANIZATIONAL OUTCOME

Adaptive Capacities of Communities Improved

## PERFORMANCE INFORMATION

## KEY STRATEGIES

1. Rational exploration, development, utilization and conservation of the country's mineral resources
2. Geo-sciences and geo-resources research and services for disaster risk management
3. Adherence to the principles of responsible mining under the framework of sustainable development which meets the needs of the present without compromising the ability of the future generation with the view of improving the quality of life both now and in the future
4. Equal consideration on the economic, environmental and social development aspects of the mining operations

## ORGANIZATIONAL OUTCOMES (Oos) / PERFORMANCE INDICATORS (PIs)

## BASELINE

## 2015 TARGETS

## Adaptive Capacities of Communities Improved

LGUs informed on the use of geohazard maps

42,038 Barangays

5,800 Barangays in 510 municipalities and cities informed on the use of geohazard maps by end of 2015

## MAJOR FINAL OUTPUTS (MFOs) / PERFORMANCE INDICATORS (PIs)

## 2015 Targets

## MFO 1: MINERAL RESOURCE DEVELOPMENT SERVICES

Number of new mineral reservation areas assessed/endorsed for declaration	18
Percentage of area surveyed that is identified as a mineral reservation	100
Percentage of stakeholders who rate the quality of MGB mineral reservation maps as good or better	100
Percentage increase in Peso value for royalty payments collected	10
Percentage of Philippine territory surveyed (geological exploration) at least once in the last 3 years	0.10

## MFO 2: MINING REGULATION SERVICES

## Permit Issuance

Number of mining permits/contracts issued and agreements endorsed for approval	3,575
Percentage of agreements entered into within 4 months from tendering	90

Monitoring	
Number of sites and facilities monitored and/or inspected with reports issued	1,253
Percentage of agreements with 1 or more violations over the last 3 years	10
Percentage of sites that have been inspected more than twice in the last 2 years	100
Enforcement	
Number of violations or complaints acted upon with reports issued	215
Percentage of submitted reports that resulted in the issuance of notice of violations and penalties imposed	10
Percentage of complaints or detected violations that are acted upon earlier than the prescribed period	90

NOTE : Inclusive of Targets funded from other sources, e.g. Special Account in the General Fund.

#### D. NATIONAL MAPPING AND RESOURCE INFORMATION AUTHORITY

##### STRATEGIC OBJECTIVES

##### MANDATE

Government's central mapping agency, depository and distribution facility for natural resources data of the country

##### VISION

A highly professionalized, technically advanced, globally competitive, and environment and natural resource-caring agency

##### MISSION

To generate and disseminate reliable and up-to-date geographic information and provide related services using state-of-art technology for sustainable growth and development

##### KEY RESULT AREAS

1. Rapid, inclusive, and sustained economic growth
2. Integrity of the environment and climate change adaptation and mitigation

##### SECTOR OUTCOME

1. Resilience to climate change and natural disasters increased
2. Human development status improved

##### ORGANIZATIONAL OUTCOME

Improved access to updated geospatial information

##### PERFORMANCE INFORMATION

##### KEY STRATEGIES

1. Continue the production of topographic base maps of priority areas
2. Continue the implementation of the Philippine Geoportal project
3. Intensify hydrographic survey of maritime zones specifically domestic sealanes
4. Maintain the national geodetic network
5. Undertake thematic mapping activities to support disaster risk reduction and climate change adaptation

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)	BASELINE	2015 TARGETS
Improved access to updated geospatial information		
Increased coverage of topographic base maps and nautical charts	10,100 Large Scale Maps	15% coverage of new 1:10,000 topographic base maps
	213 Medium Scale Maps	Coverage of updated 1:50,000 topographic increase from 68% to 74%
	113 Nautical Charts	187 updated nautical charts available

MAJOR FINAL OUTPUTS (MFOs) / PERFORMANCE INDICATORS (PIs)	2015 Targets
MFO 1: PROVISION OF MAPPING SERVICES	
Production of Maps	
Number of maps and charts produced or updated and published	1,743
Percentage of clients who rate the quality of maps and charts produced as satisfactory or better	90
Maximum percentage error for all topographic base maps produced within the last 3 years	3
Percentage of maps updated in the last 5 years (large and medium scale maps)	17
Electronic Database Public Information	
Number of hits/access of database (web-based)	48,000
Percentage of webpage downtime lasting 5 minutes or more	4.2
Percentage of access attempts with a lag time of 10 seconds or more	10

## E. NATIONAL WATER RESOURCES BOARD

## STRATEGIC OBJECTIVES

## MANDATE

The NWRB is the government regulatory and coordinating agency for water resources management and development in the country. It is responsible for achieving a scientific and orderly development of all water resources of the Philippines consistent with the principles of optimum utilization, conservation and protection to meet present and future needs.

## VISION

Water for All

## MISSION

Ensure access to safe, adequate water supply and sanitation at acceptable rates and level of service. Allocate sufficient water that will ensure food security and spur economic development of the country. Protection of the water environment to preserve flow regimes, biodiversity and cultural heritage as well as the mitigation of water-related hazards.

## KEY RESULT AREAS

1. Rapid, inclusive and sustained economic growth
2. Integrity of the environment and climate change adaptation and mitigation

## SECTOR OUTCOME

Resilience to climate change and natural disasters increased

## ORGANIZATIONAL OUTCOME

1. Water resources allocation sustainably managed
2. Quality, adequacy and accessibility of water supply services maintained/improved

## PERFORMANCE INFORMATION

## KEY STRATEGIES

1. Formulation of water policies responsive to the changing environment, society and climate through the development of Monitoring and Evaluation System for NWRB policies
2. Enhancement of operational systems, procedures and standards on processing of permits, resolution of water use conflict and enforcement of laws
3. Development of strong coordination and collaboration with partner agencies / institutions (e.g. LGUs, NGAs, Academe) towards achieving sustainable use of water

ORGANIZATIONAL OUTCOMES (Oos) / PERFORMANCE INDICATORS (PIs)	BASELINE	2015 TARGETS
Water resources allocation sustainably managed		
Increase in the number of river basins / critical areas with scientifically robust water information and decision support tools	FY 2013: 2 critical areas	One river basin and two critical areas
Increase in the compliance of water permit and CPC conditions	FY 2013: 10% of monitored violators is in compliance	Increase in compliance from 10% to 15%
Reduction in the number of illegal water users	FY 2010: indicative data of 6,000 (w / o Water Permit / Certificate of Public Convenience)	10% reduction of illegal water users
Quality, adequacy and accessibility of water supply services maintained / improved		
Compliance of private water service providers on the standard of water supply services increased (standards in terms of hours of service, water quality, pressure, etc.)	FY 2013: 8% of existing water service providers	10% of existing water service providers

MAJOR FINAL OUTPUTS (MFOs) / PERFORMANCE INDICATORS (PIs)	2015 Targets
MFO 1: WATER SECTOR MANAGEMENT POLICY SERVICES	
Number of plans and policies developed and issued and updated and disseminated	5
Average percentage of stakeholders that rate policies as satisfactory or better	50
Average percentage of plans and policies updated, issued and disseminated over the last 2 years	60
MFO 2: WATER REGULATION SERVICES	
Permit Issuance	
Number of water permit applications acted upon (water permits and CPC)	600
Percentage of water permit holders incurring 1 or more violations in the last 3 years	20
Percentage of permit applications acted upon within four months from date of receipt	10
Monitoring	
Number of water sources/diversion waterworks facilities inspected	1000
Percentage of submitted reports that resulted in the issuance of notice of violations and penalties imposed	20
Percentage of sites that have been inspected more than twice in the last 2 years	5



## Enforcement

Number of violations or complaints acted upon with reports issued	120
Number of persons and entities with 2 or more recorded violations in the last 3 years	60
Percentage of violations where orders are issued within 5 days of detection	50
Percentage of detected violations failing to conform with orders that are referred for prosecution within 5 days of expiration of order period	2

## F. PALAWAN COUNCIL FOR SUSTAINABLE DEVELOPMENT STAFF

## STRATEGIC OBJECTIVES

## MANDATE

The Palawan Council for Sustainable Development Staff serves as the regular professional staff of the Palawan Council for Sustainable Development and provides the machinery to coordinate the policy and functions, implement programs and organize services as required by the Council in the governance, implementation and policy direction of the Strategic Environmental Plan (SEP) for Palawan.

## VISION

To be united, committed and competent partner in development through holistic integration of environmental protection with relevant land use planning and rational use of Palawan's natural resources with the Strategic Environmental Plan (SEP) Framework in order to improve the quality of life in Palawan.

## MISSION

To be the professional executing agency for the Palawan Council for Sustainable Development in pursuance of Republic Act 7611, the SEP, which aims to promote development, conservation, management, protection and utilization of the natural resources of Palawan for the present and future generations

## KEY RESULT AREAS

Integrity of the environment and climate change adaptation and mitigation

## SECTOR OUTCOME

Natural resources conserved, protected and rehabilitated

## ORGANIZATIONAL OUTCOME

1. Palawan Natural Resources Sustainably Managed
2. Loss of Palawan Biological Diversity Prevented

## PERFORMANCE INFORMATION

KEY STRATEGIES

1. Policy researches utilizing scientific observations, surveys, community consultations and validations
2. ECAN zones resource management planning for wise utilization and protection of resources within ECAN zones
3. Mapping environmentally critical areas network and formulation of compatible activities within the zone
4. Policy and plan monitoring to validate impact
5. Operation of the SEP Clearance System to ensure environmental protection and sustainability, social acceptability and economic viability
6. Monitoring of the terms and conditions of clearances, permits and accreditations issued
7. Enforcement of laws through coordination with other government agencies and non-government entities for arrests, mediation and prosecution of violators of the environment

8. Provide information for alternative sustainable livelihoods and other economic activities congruent to the protection of the environment

ORGANIZATIONAL OUTCOMES (OOs) / PERFORMANCE INDICATORS (PIs)	BASELINE	2015 TARGETS
Palawan Natural Resources Sustainably Managed		
Percentage of forest cover within Environmentally Critical Areas Network (ECAN) Core Zones and Restricted Use Areas	FY 2005: 90.5% or 508,000 ha forest area out of 561,000 ha of ECAN Core Zones and Restricted Use Areas	Forest cover within ECAN Core Zones and Restricted Use Areas greater than 90.5% by 2016
Percentage of coastal and marine areas with high conservation value effectively and equitably managed through ECAN system and other effective area-based conservation measures	FY 2010: 8.05% or 368,500 ha of Marine Protected Areas (MPAs) out of 4,580,000 ha municipal waters	Percentage of (MPAs) or other local marine conservation areas effectively and equitably managed increased by 0.65% (29,770 ha) by 2016
Loss of Palawan Biological Diversity Prevented		
Number of threatened species of wild flora and fauna in Palawan prevented from extinction	FY 2010: 450 (163 threatened fauna and 287 threatened flora species)	100% of 450 threatened terrestrial and marine wildlife species prevented from extinction by 2016
Palawan population of critically endangered Philippine Cockatoo (Cacatua haematuropygia)	FY 2014: 441 (P Widmann 2014, pers. comm., 21 March)	Population of Philippine Cockatoo in Palawan increased to 500 by 2016
MAJOR FINAL OUTPUTS (MFOs) / PERFORMANCE INDICATORS (PIs)	2015 Targets	
MFO 1: PALAWAN SUSTAINABLE DEVELOPMENT POLICY SERVICES		
Number of plans and policies developed and issued or updated and disseminated		21
Percentage of stakeholders that rate the PCSD policies as good or better		67
Average percentage of plans and policies reviewed over the last 2 years		2
MFO 2: PALAWAN SUSTAINABLE DEVELOPMENT REGULATION SERVICES		
Issuance of Clearances		
Number of permit and clearances issued		250
Percentage of permit/clearance holders incurring 1 or more violations in the last 3 years		10
Percentage of permit and/or clearance applications acted upon within 7 working days from date of receipt		95
Monitoring		
Number of establishments and facilities monitored and/or inspected with reports issued		200
Percentage of submitted reports that resulted in the issuance of notice of violations and penalties imposed		10
Percentage of establishments and facilities that have been inspected more than twice in 2 years		92
Enforcement		
Number of potential violations and complaints acted upon and reports issued		10
Number of persons and entities with 2 or more recorded violations in the last 3 years as a % of the total number of violators		2
Percentage of detected violations that are resolved or referred for prosecution within 7 days		85