

Green Philippines

OUTCOME	GP COMPONENT	ACTIVITIES	ACTUAL ACCOMPLISHMENTS 2004-2007	AGENCIES	REVISED MEASURABLE OUTPUTS/TARGETS 2008-2010
<p>Effective protection of the environment especially in fragile ecosystems</p> <p>Sustainable management and use of natural resources</p>	<p>Across Components</p>	<p>Full implementation of the Philippine Reference System (PRS) '92 to facilitate the conduct of land surveys</p> <p>Update and produce topographic base maps of growth and urban corridor areas for purposes of development planning and production of geohazard maps</p> <p>Complete the land classification by December 2010</p>	<p>42 provinces covered by 746 1st and 2nd order geodetic control points</p> <p>7,628 control points established in 1,661 barangays</p> <p>85 map sheets produced and updated</p> <p>141,578 hectares surveyed and classified</p>	<p>DENR</p> <p>DENR</p> <p>DENR</p>	<p>35,330 geodetic control points (zero, 3rd and 4th orders) established in 16 regions</p> <p>1,050 map sheets produced and updated</p> <p>27,108 hectares of unclassified lands surveyed and classified</p> <p>442,524 hectares of classified land approved</p>

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		Pursue the disestablishment of portions of reservations and initial components of protected areas no longer suitable for original purpose	no accomplishment	DENR	
		Accelerate distribution/titling of A&D lands	336 municipalities partially surveyed under PLS only	DENR	51 municipalities covered by land surveys (PLS, cadastral, etc.) in support of Land Distribution Program
			441,995 hectares of A & D lands covered by patent issuance		447,450 hectares of A & D covered by 658,478 patents issued
		Ensure the integrity of land titling system in order to promote the development of a mortgage market for lands and prevent illegal titling		DENR	
		Push for the integration of the various agencies involved in land titling (LMB, LRA-DOJ, DAR) through rough legislation	Re-filed in the 14th Congress	DENR/ Congress	LARA Bill passed by CY 2010
		Accelerate and expand the campaign against fake titles	16 regions covered by IEC	DENR	16 regions covered by IEC
		Strengthen the system for registration and monitoring of		DENR	10 buildings constructed for the storage of land records and land records computerized

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		<p>land titles through digitization of land records.</p> <p>Promote the lease/rental of open forestlands and foreshore areas to investors and entrepreneurs</p> <p>Conduct nationwide inventory of foreshore and open forestlands</p> <p>Develop a system for marketing and appropriate pricing for these areas</p> <p>Develop and maintain stable, consistent and predictable policies, esp. policies requiring legislation (e.g. sustainable Forestry Bill)</p> <p>Liberalize/streamline and refocus the Environmental Compliance Certificate (ECC) system to increase the efficiency and the development facilitation function of the system without lowering</p>	<p>5,080 hectares of foreshore areas inventoried and managed/446 lease contracts / permits issued</p> <p>Comments have been prepared by FMB based on Senators Legarda and Estrada's recommendations. Final draft of two bills for signature of FMB director and to be submitted to Sen. Pia Cayetano</p> <p>All ECC applications processed within prescribed time frame</p>	<p>DENR</p> <p>DENR/SUC</p> <p>DENR, Congress</p> <p>DENR</p>	<p>covering 16 regions & LMB</p> <p>5,668 lease contracts / permits issued</p> <p>Certifications/clearances issued</p> <p>Revised DAO on appraisal and re appraisal approved</p> <p>Sustainable Forestry Bill passed</p> <p>Improved EIA System implemented</p>

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		environmental standards it seeks to promote			
		Implement Clean Development Mechanism (CDM) Projects	14 CDM projects implemented/ 4 out of 29 endorsed to CDM Board	DENR	100% of the applications for CDM eligible projects processed with final action
		Shift from technology generation to technology transfer	42 available ESTs for transfer	DENR	50-60% of the 42 environmentally sound technologies transferred for livelihood and poverty alleviation and sustainable management of natural resources
		Provide technical assistance, best suitable practices and technologies and improved planting materials		DENR	
		Development of procedures/propagation protocols	30 species studied, of which, procedures were developed for 8 species and 3 out of 42 propagation procedures developed	DENR	22 propagation procedures developed out of 51 studies conducted for the production of quality planting materials
		Development of rehabilitation technology compendium for grassland areas, urban ecosystems and marginal uplands	Rehabilitation technology compendium for 3 ecosystems (coastal, mining areas and critical watersheds)/ one compendium completed	DENR	Rehabilitation technology compendium for 3 ecosystems
		Pilot testing of rehabilitation protocols for coastal, mining,		DENR	Rehabilitation protocols/procedures on 4 ecosystems (coastal, critical watershed and

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		<p>mining areas, critical watershed grassland areas</p> <p>Expand the use of market-based instruments, proper pricing of natural resources and other incentives/disincentives mechanisms</p> <p>Provide business-related technical and extension services to investors and clients</p> <p>Assist applicants in securing permits from other government agencies such as the National Commission on Indigenous People (NCIP) as well LGU clearances</p> <p>Link community-based programs and small/medium scale projects to sources of finance and market</p> <p>Expedite the delineation of municipal waters in coastal areas with offshore islands</p> <p>Conduct hydrographic survey and charting of</p>	<p>1 Mining Investment Assistance center operationalized and maintained/MGB one-stop shop maintained</p> <p>Delineation is a joint effort of DA and NAMRIA. However, NAMRIA can't proceed with the delineation unless guidelines have been issued by DA</p> <p>230,407 sq. km. of Philippine waters surveyed and</p>	<p>DENR</p> <p>DTI</p> <p>DENR</p> <p>DENR</p>	<p>and grassland areas)</p> <p>National Environmental User's Fee (fixed fee and pollution load-based fee) implemented through the issuance of Waste Water Discharge Permit (WWDP)</p> <p>MGB one-stop shop maintained</p> <p>192,000 sq. km. of Philippine waters surveyed and mapped</p>

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		Philippine waters for safe navigation	mapped 65,762 sq. km. of the country's Extended Continental Shelf (ECS) delineated	DENR	150,000 sq. km. of the country's Extended Continental Shelf (ECS) delineated
		Conduct carrying capacity studies for 28 CBFM areas	Two Models of Carrying capacity were developed in CBFM areas in Juanay, Cebu, Gaboc Hill and Manolo Fortich, Bukidnon. The rest are undergoing various stages of model development	DENR	Carrying capacity studies conducted in: 28 CBFM areas
		Conduct carrying capacity studies for 10 grazing land areas	Carrying capacity studies conducted for 4 grazing lands (ongoing)	DENR	10 Grazing lands
		Conduct carrying capacity studies for CEP sites/small islands for resources conservation and sustainable development	Carrying capacity studies conducted in 4 CEP sites/small islands (ongoing)/ 1 model developed for surfing site in Siargao Island and 1 set of guidelines on how to assess ecological carrying capacity of Boracay Island. The rest of the sites are undergoing various stages of model development.	DENR	16 CEP sites/small islands

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		<p>Conduct carrying capacity studies for protected areas especially those that will host development projects</p> <p>Pursue raw water pricing to effect efficient allocation and conservation</p> <p>Conduct of study on Raw Water Pricing</p> <p>Economic valuation of groundwater in Metro Manila</p> <p>Conduct groundwater resources and vulnerability assessment covering 310 priority LGUs</p>	<p>2 models developed for carrying capacity of protected areas, these are in Mt. Pulag National Park, Mt. Arayat National Park and remaining sites are undergoing various stages of model development</p> <p>Currently undertaking 2 studies: Study on Raw Water Pricing and Economic Valuation of Groundwater in Metro Manila</p> <p>Project is still ongoing. First Phase of the project which determined the methodology for the computation of initial raw water fee has been completed. The Second Phase (pilot implementation) will start as soon as the proposed Raw Pricing Ordinances in Valencia and Manjuyod, Negros Oriental for pilot implementation has been approved.</p> <p>Data collection activity is being undertaken</p> <p>113 priority LGUs assessed (groundwater resources and vulnerability assessment); 268</p>	<p>DENR/LGUs</p> <p>NWRB</p> <p>NWRB</p> <p>NWRB</p> <p>DENR, LGUs</p>	<p>33 Protected areas carry capacity studies conducted for ecotourism development</p> <p>Implementation of Raw Water Pricing at River Basin level covering Negros Oriental and Bohol</p> <p>Groundwater resources and vulnerability assessment as well as geological assessments of</p>

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		<p>Conduct water assessment in terms of availability and demand for prioritized water constraint areas as identified in the 1998 Master Plan Study on Water Resources Management in the Philippines</p> <p>Groundwater assessment for 9 critical areas identified in the 1998 Master Plan Study on Water Resources Management in the Philippines (Metro Manila, Metro City, cities of Davao, Bacolod, Iloilo, Angeles, Cagayan de Oro and Zamboanga</p> <p>Complete the groundwater resource inventory/assessment in major urban areas and surface water in rural areas, control over extraction through moratorium/ stringent requirements in the grant of water permits in water-deficient areas</p>	<p>LGUs assessed (geological assessment of potential solid waste and disposal sites)</p> <p>Conducted field data collection activities in Iloilo and Cagayan de oro City and the JICA preliminary Mission for the conduct of the “Study on IWRM for Poverty Alleviation and Economic Development in the Pampanga River Basin”</p> <p>Groundwater assessment in Metro Manila and Metro Cebu has been completed. Appropriate groundwater extraction policy for the said areas has been formulated and currently being implemented. Data collection activities in other critical areas are currently being undertaken.</p>	<p>NWRB, DOST, DENR</p> <p>NWRB</p> <p>NWRB</p>	<p>potential solid waste and disposal sites conducted in 201 priority LGUs</p> <p>Water assessment studies completed in at least two water constraint cities and one priority river basin identified in EO 510</p>

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		<p>Updating of Master Plan on Water Resources Management in Selected River Basins (Pampanga and Tigum-Aganan River Basin)</p> <p>River Basin Study for selected priority river basins identified in EO 510</p> <p>Maintain and sustain data collection and database for water resources (i.e. rainfall, stream flow, groundwater and water quality, etc.)</p> <p>Continuing operation of NWIN (National Water Information Network)</p> <p>Development of Knowledge Management (KM) Portal for Water Supply and Sanitation</p> <p>Continuing provision of capacity- building programs and technical assistance on water supply and sanitation planning management and project implementation for all Water Service Providers (WSPs) needing assistance</p>	<p>Primary and secondary data for the selected two river basins namely Pampanga and Tigum-Aganan were collected</p> <p>not yet started</p> <p>National Water Data Coordination Center located at NWRB (NWIN, KM Portal, etc.) maintained and sustained</p> <p>86 P/MWSU; 223 BWSA</p> <p>2005 - 33 P/MWSU; 181 BWSA</p> <p>2006 - 35 P/MWSU; 14 BWSA</p> <p>2007 - 18 P/MWSU; 28 BWSA</p>	<p>NWRB</p> <p>NWRB</p> <p>NWRB</p> <p>NWRB</p> <p>NWRB</p> <p>DILG and other concerned offices</p>	<p>National Water Data Coordination Center located at NWRB (NWIN, KM Portal, etc.) maintained and sustained</p> <p>To be implemented in 2009 – 2013:</p> <p>350 Provincial/ Municipal Water and Sanitation Units (P/MWSU), established and strengthened, and 350 Water and Sanitation Associations formed and trained</p>

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		<p>Undertake inventory and evaluation to determine suitable land use for agriculture, agro-forestry, ecotourism and other development projects</p> <p>Complete the geohazard mapping</p> <p>Conduct soil stability measures (e.g., reforestation and planting in river banks) for landslide-vulnerable areas</p> <p>Ensure integration of disaster preparedness and management strategy in the development planning process at all levels of governance through the following activities: periodic risks assessments, updating of respective land use policy based on the assessment, conduct of disaster management orientation/training among LGU officials.</p>	<p>849 municipalities</p> <p>sites identified covering 39 hectares</p>	<p>DENR</p> <p>DENR</p> <p>DENR (CMMO)</p>	<p>The DILG is repackaging the proposal with the assistance from ADB</p> <p>1.05 million hectares assessed and appropriate land uses determined</p> <p>750 LGUs assessed with geohazard maps provided/ produced</p> <p>Sites identified covering 255 hectares</p> <p>1 coastal hazard management plan prepared</p>

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	FOREST MANAGEMENT	<p>Rationalize and prioritize reforestation in critical watersheds to preserve rivers and other fresh water systems in support of providing adequate and reliable water for irrigation, domestic and industrial uses</p> <p>Issue the following tenurial instruments: Community Based Forest Management Agreement (CBFMA) ; Industrial Forest Management Agreement (IFMA) ; Socialized Industrial Forest Management Agreement (SIFMA); and Forest Land Grazing Lease Agreement (FLGMA)</p> <p>Pursue area development for corporate and community-based economic activities for CBFMA, IFMA, SIFMA, Timber License Agreement (TLA) and Forest Land Grazing Lease Agreement (FLGMA)</p>	<p>22,635 hectares reforested in critical watershed</p> <p>CBFMA - 128 sites IFMA – 250,435 hectares SIFMA – 6,175 hectares</p> <p>CBFMA - 7,573 hectares IFMA – 9,573 hectares SIFMA – 576 hectares TLA – 4,844 hectares</p>	<p>DENR, LGUs, NGOs, Civil Society</p> <p>DENR</p> <p>DENR, People's Organization (PO), Private Sector</p>	<p>108,000 hectares in 140 critical watersheds especially those areas supporting the Pampanga and Bicol River Basins restored/ regenerated</p> <p>Issuance of the following: CBFMA - 200,000 hectares IFMA - 75,000 hectares FLGMA - 15,000 hectares</p> <p>Corporate and community-based economic activities for : CBFMA - 13,671 hectares IFMA - 177,000 hectares SIFMA - 29,000 hectares TLA – 10,676 hectares FLGMA - 3,000 hectares</p>

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		<p>Augment forest protection through partnership with other government agencies, LGU's and nongovernment sectors (e.g., NGOs, Integrated Bar of the Philippines, civic groups, etc.)</p> <p>Conduct ground validation/verification of forestland boundaries</p> <p>Delineate forestlands nationwide for production purposes</p> <p>Conduct of study on the biomass and carbon sequestration of 3 forest tree species</p> <p>Develop water user fee and plowback mechanism for forest protection and</p>	<p>14.07 million hectares of forests protected</p> <p>15,674 kms. of forestland boundary delineated with 19 provinces with complete boundary survey</p> <p>703,821 hectares of production forest assessed</p> <p>Conducted study on the biomass and carbon sequestration of 3 forest species (Gmelina, mahogany and Acacia mangium (completed) and 3 ongoing (Jathropa, bagras, alcate)</p> <p>2 PAMB resolutions implemented</p>	<p>DENR</p> <p>DENR, LGUs, other stakeholders</p> <p>DENR</p> <p>DENR</p> <p>DENR</p> <p>DENR/ NRDC/LGUs</p>	<p>150 Forest Management Units (CBFMA, IFMA, SIFMA, TLA, FLGMA) audited on Sustainable Forest Management Criteria and Indicators</p> <p>10 million hectares of untenured forestlands protected</p> <p>Ground validation/ verification of forestland boundaries in 26,086 kms.</p> <p>3 million hectares of production forestlands assessed</p> <p>Biomass and carbon sequestration of 3 forest tree species</p>

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		<p>management of protected areas</p> <p>General strategy: adopt the Integrated Water Resources Management Approach and operationalize the developed National IWRM and Water Efficiency Plan Framework</p> <p>Conduct vulnerability assessment of priority watersheds in the Philippines</p> <p>Identify/establish Water Resources Regional Councils (WRRCs)/River Basin Organizations (RBOs) while strengthening existing RBOs to promote devolution of decision-making processes to the lowest appropriate levels capable of handling such tasks, normally to local government and community-based institutions</p>	<p>1 watershed area with completed vulnerability assessment</p> <p>2 RBOs established (Lake Lanao Rehabilitation Council and Manila Bay Coordinating Committee)</p>	<p>MWRB</p> <p>NWRB</p> <p>NWRB</p> <p>DENR</p> <p>DENR-RBCO</p>	<p>Policy directing different agencies to mainstream IWRM in their agency operation implemented</p> <p>Monitoring mechanism to integrate/consolidate efforts on IWRM of different agencies in place</p> <p>Vulnerability assessment of 45 priority watersheds in the Philippines conducted</p> <p>6 River Basin Organization identified/established/ organized</p>

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		<p>Ensure provision of potable water for the entire country by 2010</p> <p>Finalization and adoption of the Water Supply Sector Roadmap (WSS Roadmap)</p> <p>Community-based production systems for the furniture and handicraft industry</p> <p>IEC support activities for raw material-based production of F&H</p> <p>Develop growth and yield prediction models for dipterocarp and nondipterocarp species</p>	<p>WSS Roadmap finalized and adopted in 2009</p> <p>Demonstration sites for selected forest vines and trees for F&H</p> <p>conducted thinning practices on 7 yr-old Gmelina plantation (Butuan); 5 hectares (Diffun)</p> <p>Draft manual on traditional and alternative species for F&H (mangium, <i>bagras</i>, <i>auriculiformis</i>, narra, <i>kamagong</i>, <i>dao</i>, <i>kalantas</i>, mahogany, teak, <i>falcata</i>, <i>tikog</i>, and bamboo)</p>	<p>multi-agency</p> <p>NWRB, NEDA</p> <p>PCARRD, UPLB-CFNR, DENR-R2, POs</p> <p>PCARRD, UPLB-CFNR, DENR-R2, POs</p> <p>ERDB, UPLB, DENR Regional Offices, PCHI</p> <p>ERDB, DENR Regional Offices</p>	<p>CBFMA -0.12 hectares (Atimonan, Quezon); 0.73 hectares (Diffun, Quirino)</p> <p>5 hectares Gmelina plantations thinned</p> <p>Production of IEC materials on traditional & alternative species for F&H (mangium, <i>bagras</i>, <i>auriculiformis</i>, narra, <i>kamagong</i>, <i>dao</i>, <i>kalantas</i>, mahogany, teak, <i>falcata</i>, <i>tikog</i>, bamboo); Website creation for F&H info access/updates</p> <p>Growth and yield prediction models for dipterocarp (3 spp) and nondipterocarp species (4 spp)</p>

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	Pollution and Hazard Control	<p>Silvicultural management for rattan plantations</p> <p>Develop nursery & plantation technologies for priority natural dye-yielding plants in Aklan</p> <p>Formulation, approval and implementation of policies on the establishment of management zones within Protected areas; visitor management; standard and designs of infrastructures, markers and signages; policy on humane treatment for wild fauna; among others</p> <p>Resolve the issues involving mining accidents in abandoned and idle mine areas</p> <p>Address remaining issues pertaining to the Marcopper Mine Tailing Spill accident</p> <p>Construct the final Mabatás tailings dam</p>	<p>Develop nursery & plantation technologies for priority natural dye-yielding plants (malatayum, yellow ginger, <i>annatto/achuete</i>, <i>sibukao</i>) in Aklan</p>	<p>ERDB, DENR Regional Offices</p> <p>PCARRD, Aklan State University, PTRI, DOST</p> <p>DENR</p> <p>PMDC</p> <p>PMDC</p>	<p>Silvicultural management practices for 5 hectares <i>palasan</i> plantations in Bukidnon & Leyte</p> <p>Established 100 sq. m nursery and 5 hectares natural dye plantation (<i>malatayum</i>, yellow ginger, <i>annatto/achuete</i>, <i>sibukao</i>); Determined dye quality of the different dye plants</p>

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		Conduct assessment of abandoned mines and implement stop-gap measures/rehabilitation of abandoned mines	7 abandoned mines assessed	DENR	Assessment of 6 abandoned/in-active mines and 1 abandoned mines completed for rehabilitation
		Reduce TSP level in Metro Manila and other major urban centers by 50% from CY 2003 level to reach the acceptable standard	TSP level reduced by 12.34% from CY2003 level of 162 ug/Ncm equivalent to 142 ug/Ncm (2006 data)	DENR/ LGUs	TSP level in Metro Manila reduced by 50% of the 2003 baseline bringing the TSP level within standards
			Metro Cebu - 119 u/Ncm (2006 data)	DENR/ LGUs	TSP level within standards
			Metro Davao - 63 u/Ncm (2006 data)	DENR/ LGUs	TSP level within standards sustained
		Establish airsheds nationwide for better management of air quality	9 airsheds established	DENR	17 airsheds operationalized
		Complete the establishment of state-of-the-art air quality monitoring stations and air quality advertisement boards, especially in Metro Manila	Established telemetry air quality monitoring stations in Cebu, Baguio City, Iloilo & Cagayan de Oro		
		Pursue urban greening in area sources in Metro Manila and other major urban centers			
		Provide technical assistance in the maintenance of mini forests	225 mini forests established	DENR/LGUs	899 Mini forests maintained

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		<p>Monitor drinking water of selected poor communities through the Tap Watch Program</p> <p>Provision of water supply to areas not classified as “waterless”</p>	<p>59 number of “waterless” municipalities covered by WDs with completed water supply projects</p> <p>111,799 Households in 119 communities, or 43% total accomplishment</p> <p>339 communities</p> <p>178 number of water supply systems not classified as “waterless” areas</p> <p>1.50 million additional population served with potable water by water districts (WD)</p> <p>323 water supply facilities ^a% 2004 - 76 units ^a% 2005 - 88 units ^a% 2006 - 58 units ^a% 2007 - 101 units</p>	<p>LWUA</p> <p>MWSS</p> <p>DENR</p> <p>LWUA</p> <p>DILG-WSSP-MO</p>	<p>Quality of drinking water of identified poor communities monitored and assessed nationwide</p> <p>2.45 million additional population served with potable water by water districts (WD)</p>

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		<p>Complete the water analysis and monitoring of 162 bathing areas nationwide through the “beach watch” program</p> <p>Ensuring that all barangays/ municipalities are provided with water supply services and have the corresponding sanitation for proper disposal of wastewater/septage</p> <p>Finalization and adoption of Sanitation Roadmap and the National Sewerage and Sanitation Management Plan (NSSMP)</p> <p>Fully implement the Ecological Solid Waste Management Act and the Clean Water Act</p> <p>Improve water quality in 19 priority rivers nationwide and reduce the biochemical oxygen demand (BOD) in Pasig River and other priority rivers to provide for adequate</p>	<p>70 bathing areas monitored</p> <p>Sanitation facilities: 2004 - 9 facilities 2005 - 3 facilities 2006 - 7 facilities 2007 - 39 facilities</p> <p>Water Supply 2004 - 76 units 2005 - 88 units 2006 - 58 units 2007 - 101 units</p> <p>IRR of the Clean Water Act approved</p> <p>Maintained BOD level of 8 rivers within the standard and improved BOD level of 3 rivers</p>	<p>DENR</p> <p>DILG//NAPC/ DOH MWSS/LWUA LGUs</p> <p>DOH and DPWH</p> <p>DENR, LGUs</p>	<p>38 bathing beaches assessed and disclosed</p> <p>Sanitation Facilities: 2005 - 3 facilities 2006 - 7 facilities 2007 - 39 facilities</p> <p>Water Supply: 2005 - 88 units 2006 - 58 units 2007 - 101 units</p> <p>BOD level reduced by 60% of CY 2003 baseline or within Water Quality criteria</p>

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		oxygen for aquatic life to survive by close and regular monitoring	<p>1,728 housing units constructed</p> <p>4,103.46 linear meters of parks constructed</p> <p>1 ferry service operating</p> <p>Monitored water quality of 4 major <i>esteros</i>: San Juan, Marikina, Pateros-Taguig, Napindan</p> <p>Preparation of roadmap ongoing</p>	<p>PRRC/ NHA</p> <p>PRRC/ DPWH</p> <p>PRRC/ DOTC</p> <p>PRRC/EMB</p> <p>PRRC/EMB/ LGUs</p> <p>PRRC/EMB/ DPWH</p> <p>DENR</p>	<p>1,210 housing units constructed</p> <p>650 linear m. of linear parks constructed</p> <p>1 ferry service operating</p> <p>water quality of 4 major <i>esteros</i> monitored</p> <p>1 Project Development Plan on the rehabilitation of 29 <i>esteros</i> and tributaries implemented</p> <p>Depth of 6-meter below the main water level volume expected to be dredged at 1.38 million cubic meters</p> <p>6 Water Quality Management Areas (WQMA) operationalized</p>
		Closely monitor identified firms along the priority rivers which have high potential sources of pollution	6,580 firms monitored	DENR/Pasig River Rehabilitation Commission	100% prioritized 569 critical firms monitored for compliance to effluent standards

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		Provide technical assistance to LGUs in the closure and/or conversion of open dumpsites to controlled dump facilities (CDFs) and construction of sanitary landfills/waste processing facilities; complete the implementation of LGU-wide integrated waste management system	<p>1,718 LGUs provided assistance in the closure/conversion of open dumps to controlled ones; 641 LGUs provided assistance in the construction of sanitary landfills; 48 model sites implemented integrated waste management system</p> <p>1,718 LGUs provided assistance in the closure/ conversion and rehabilitation of open dumpsites to controlled dumps</p> <p>210 TA provided for the closure of both open and controlled dumps</p> <p>9 TAs extended for sanitary landfill establishment</p> <p>50 TAs extended for waste processing facilities establishment</p> <p>9 establishments participating in waste recycling</p>	<p>DENR, LGUs</p> <p>DENR/EMB/NSWMC</p> <p>DENR/EMB/NSWMC</p> <p>DENR/EMB/NSWMC</p> <p>DENR/EMB/NSWMC</p> <p>DENR/EMB/NSWMC</p>	<p>1,799 Technical Assistance extended in closure and rehabilitation of open dumpsites</p> <p>585 Technical Assistance extended in closure and rehabilitation of controlled dumpsites</p> <p>33 Technical Assistance extended in establishment of sanitary landfills</p> <p>150 Technical Assistance extended in establishment of waste processing facilities</p> <p>9 participating outlets: Ayala Area - Goldcrest - Trinoma - The Fort - Alabang Town Center</p>

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OUTCOME	GP COMPONENT	ACTIVITIES	ACTUAL ACCOMPLISHMENTS 2004-2007	AGENCIES	REVISED MEASURABLE OUTPUTS/TARGETS 2008-2010
		<p>Support waste recycling and recovery through ecolabelling of products in Metro Manila</p> <p>Pursue the opening of cluster sanitary landfill sites with material recovery facilities (MRFs) for Metro Manila and other highly urbanized centers</p> <p>Undertake sustained metro-wide clean-up of <i>esteros</i> through the active involvement of stakeholders</p> <p>Complete the inventory of toxic and hazardous wastes</p>	<p>Prepared guidelines on ecolabelling of 6 products</p> <p>5 cluster sanitary landfill sites opened</p> <p>16 schools with material recovery facilities</p> <p>23 <i>esteros</i></p> <p>Inventory ongoing 4,512 hazardous wastes generators registered</p>	<p>LGUs</p> <p>DENR/EMB/NSWMC</p> <p>DENR/EMB/NSWMC</p> <p>DENR, LGUs, NGOs, Private Sector</p> <p>DENR</p>	<p>- Rockwell - SM Malls - Las Piñas - Fairview - Southmall - San Lazaro</p> <p>17 (1 National Ecology Center and 16 Regional Ecology Centers) operationalized</p> <p>48 schools with material recovery facilities</p> <p>5 identified critical <i>esteros</i> for NCR cleaned-up</p> <p>32 cleaned-up <i>esteros</i> maintained</p> <p>Review/evaluation and inspection of Hazardous Waste Generators (HWGs), Transporters and TSD Facilities</p>

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OUTCOME	GP COMPONENT	ACTIVITIES	ACTUAL ACCOMPLISHMENTS 2004-2007	AGENCIES	REVISED MEASURABLE OUTPUTS/TARGETS 2008-2010
		<p>Complete registration of establishments utilizing toxic and hazardous wastes</p> <p>Initiate the establishment of the first facility for the treatment of toxic and hazardous wastes, especially for those located in economic zones</p> <p>Pursue efficient health care waste collection in accredited hospitals in Metro Manila and increase the health care waste collection and treatment outside Metro Manila</p> <p>Conduct clean up of former military bases in Region 3</p> <p>Develop a voucher scheme that will provide funding assistance to eligible service shops to upgrade their tools and equipment</p> <p>Convert production systems to ozone-friendly technologies</p>	<p>338 companies monitored</p> <p>77 facilities established</p> <p>2,508 vouchers issued to eligible industries</p> <p>5 subproject (8 enterprises) approved for project implementation</p>	<p>DENR</p> <p>DENR</p> <p>DENR</p>	<p>100% of registered companies using chemicals under CCOs monitored for compliance</p> <p>Proper management and disposal of Health Care Wastes (HCW) ensured in 1,000 hospitals</p> <p>3,030 vouchers issued in 2008</p> <p>100% completion of TA & FA to eligible industries by 2008</p>

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OUTCOME	GP COMPONENT	ACTIVITIES	ACTUAL ACCOMPLISHMENTS 2004-2007	AGENCIES	REVISED MEASURABLE OUTPUTS/TARGETS 2008-2010
	<p>Energy Independence (refer to Chapter 10)</p> <p>Protected Areas and Wildlife Management</p>	<p>Develop a system for recovery, reclamation and recycling of used refrigerants which utilized ODS and strictly monitor their operations</p> <p>Closely monitor and regulate the importation, sale, manufacturing and use of ODS products and ban the use of ODS in the manufacturing sector</p> <p>Promote the establishment of wildlife farms</p> <p>Extensively implement mangrove replanting and establishment of marine sanctuaries in cooperation with LGUs</p>	<p>Procurement of equipment for the reclamation facility is ongoing</p> <p>Imported 99.864 MT (reduced by 75% from baseline level)</p> <p>110 wildlife farm permits</p> <p>2,067 hectares of mangrove areas developed; 77 marine sanctuaries established</p> <p>Assessed 15 potential marine sanctuaries</p>	<p>DENR</p> <p>DENR</p> <p>DENR</p> <p>DENR/LGUs</p>	<p>Reclamation Facility operational by 2008</p> <p>100% reduction in ODP MT importation and consumption</p> <p>3,442 Wildlife farm permits/certifications issued</p> <p>5,591 hectares assessed and validated for potential mangrove establishment</p> <p>Assessed 121 potential marine sanctuaries</p>

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OUTCOME	GP COMPONENT	ACTIVITIES	ACTUAL ACCOMPLISHMENTS 2004-2007	AGENCIES	REVISED MEASURABLE OUTPUTS/TARGETS 2008-2010
		<p>Create coastal law enforcement alliance (CLEAR) with non-government sectors and communities</p> <p>Provide technical assistance to LGUs in coastal protection and management, especially in participatory planning, zoning and standard setting</p> <p>Adopt resource conservation and management</p> <p>Formulate resource conservation programs</p> <p>Conduct stake holders consultation for participatory management</p> <p>Integrated Coastal Management Program</p> <p>Marine Protected Areas monitored/established</p>	<p>14 coastal law enforcement alliance established/ 9 CLEAR teams strengthened</p> <p>424 LGUs assisted</p> <p>Developed resource conservation program for the endemic fishwater sardine <i>Sardinella tawilis</i> in Taal Lake</p> <p>Produced a resource management guidebook for sustainable fisheries and aquaculture in Philippine lakes</p> <p>Monitored MPA areas</p>	<p>DENR</p> <p>DENR</p> <p>PCAMRD UPLB</p> <p>UP-MSI USC, DENR BFAR, MSU</p>	<p>14 CLEAR teams trained</p> <p>Technical assistance provided to 290 LGUs in the development and implementation of integrated coastal management plan</p> <p>Increased by 10% number of established MPAs</p>

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OUTCOME	GP COMPONENT	ACTIVITIES	ACTUAL ACCOMPLISHMENTS 2004-2007	AGENCIES	REVISED MEASURABLE OUTPUTS/TARGETS 2008-2010
		Capacity Building on Integrated Coastal Management (ICM) and Fisheries Management			
		Development of a Broad-based Coastal Management Training Program (BCMTP)	Developed and implemented the following training courses: - National/Regional Course on Integrated Coastal Management - ICM Training for Local Government Units - Training of Trainers - Training on Sustainable Fisheries Management in the Context of CCRF	Haribon Foundation	
		Conduct assessment and classification of caves	53 caves assessed and classified	DENR	45 caves assessed and classified
				DENR	30 cave management plans prepared
			16 National/Regional Cave Committees established/ operationalized	DENR	16 National/Regional Cave Committees established/ operationalized
		Manage priority wetlands	235 wetlands managed	DENR	174 priority wetlands monitored
			1 critical habitat managed	DENR	3 critical habitats managed
			3 critical habitats established		2 critical habitats established

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OUTCOME	GP COMPONENT	ACTIVITIES	ACTUAL ACCOMPLISHMENTS 2004-2007	AGENCIES	REVISED MEASURABLE OUTPUTS/TARGETS 2008-2010
		Push for the proclamation and legislation of PAs, especially those that are critical watersheds and habitat for highly endangered species	15 draft proclamations prepared; 19 PA bills prepared; 14 PAs proclaimed and 2 PAs legislated	DENR/Office of the President	Draft proclamations of 21 PAs/KBAs (Key Biodiversity Areas) endorsed to OP
			Draft bill of 25 PAs endorsed to Congress	DENR/ Congress	Draft bill of 16 PAs endorsed to Congress
		Conduct demarcation of legislated PAs	15 legislated PAs demarcated	DENR	15 legislated PAs demarcated
		Develop protected area management plans for areas for protection	36 PA management plans developed	DENR	60 PA management plans developed
		Maintenance of existing population of threatened wildlife species		DENR	Threatened species maintained/managed - raptors - <i>pawikan</i> - tamaraw - crocodile - tarsier
		Conduct zoning of Protected Areas to delineate areas suitable for development (i.e., buffer and multiple-use zones)	29 Protected Areas	DENR/LGUs	Zoning of 51 Protected Areas conducted to delineate areas suitable for development (i.e., buffer and multiple-use zones)
		Overall assessment of Vulnerability in Mt. Banahaw-	New Project in 2007	ERDB, PCARRD,	

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OUTCOME	GP COMPONENT	ACTIVITIES	ACTUAL ACCOMPLISHMENTS 2004-2007	AGENCIES	REVISED MEASURABLE OUTPUTS/TARGETS 2008-2010
		<p>San Cristobal Protected Landscape to Enhance Ecotourism in Barangays Kinabuhayan and Taytay</p> <p>Fully establish the Protected Area Management Boards (PAMB) in all proclaimed protected areas</p> <p>Promote ecotourism in protected areas that are included in the National Ecotourism Master Plan</p> <p>Facilitate the remittance of the Integrated Protected Areas Fund (IPAF) or the funds generated inside Protected Areas, to the PAMB</p> <p>Approval and implementation of 9 policies on revised NIPAS IRR; Assessment, Business Planning and Product Development; List of</p>	<p>175 PAMBs operationalized/maintained/trained</p> <p>8 LGUs/private sectors provided technical assistance in the development and implementation of ecotourism business/ development plan</p>	<p>LGUs</p> <p>DENR/LGUs</p> <p>DENR/ LGUs/ DOT</p> <p>DENR</p> <p>DBM</p> <p>DENR</p>	<p>150 PAMBs operationalized/maintained/trained</p> <p>64 LGUs/private sectors provided technical assistance in the development and implementation of ecotourism business/ development plan</p> <p>Push for the inclusion of a Special Provision in the GAA on the Direct Use of the IPAF by concerned PAs</p> <p>Proposal on the Special Provision in the GAA on the Direct Use of the IPAF approved and endorsed to Congress</p> <p>23 policies approved and implemented</p>

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OUTCOME	GP COMPONENT	ACTIVITIES	ACTUAL ACCOMPLISHMENTS 2004-2007	AGENCIES	REVISED MEASURABLE OUTPUTS/TARGETS 2008-2010
		<p>Threatened Species for Commercial Purposes; List of Look-Alike Species; Wildlife Marking and Identification System, others.</p> <p>Develop Ninoy Aquino Parks and Wildlife Center into a premier ecological destination and People's Center in Metro Manila</p>	<p>22.7 hectares maintained including maintenance of wildlife rescue center</p>	<p>DENR</p>	<p>22.7 hectares maintained including maintenance of wildlife rescue center</p>