Annex A: Climate Change Typologies (LGUs)

	Strategic Priority 1 - Agricultury		
Code	1 - Policy Development and Governance	Code	1 - Policy Development and Governance
A111-01	Incorporate climate change and climate variability considerations in policies and institutions	M111-01	Enact/Implement ordinances and policies to reduce the emissions of greenhouse gases (GHGs), or absorption of GHGs in the agricultural sector
A111-02	Regulate commodity shifting and agricultural land conversion*	M111-03	Monitor carbon sequestration
A111-03	Design and implement climate change risk transfer and social protection mechanisms in agriculture and fisheries*		
A111-04	Incorporate risks from climate change and climate variability in irrigation/water management planning		
Code	2 - Research, Development and Extension	Code	2 - Research, Development and Extension
A112-01	Conduct agricultural vulnerability and risk assessments, impact assessments and simulation models on major crops and livestock *	M112-01	Develop, test and introduce practices or techniques that reduce GHG emissions and practices or techniques to sequester carbon dioxide (CO ₂) in crop production systems, animal husbandry systems, forest management systems and aquaculture management systems
A112-02	Develop, test and popularize climate- resilient crop and livestock production systems and technologies*	M112-02	Sector studies, surveys, assessments on energy and water use efficiency in agriculture
A112-03	Research on new threats to agriculture, fishing, and forestry from CC and CV		
A112-04	Produce and distribute climate resilient rice varieties		
Code	3 - Knowledge Sharing and Capacity Building	Code	3 - Knowledge Sharing and Capacity Building
A113-01	Awareness raising of risks from climate change, or/and benefits of adaptation*	M113-01	Establish or strengthen institutions, information systems and capacity building on energy and water use efficiency in agriculture sector
A113-02	Establish climate information systems and database/resource network for agriculture and fisheries sectors*		
A113-03	Establish and/or popularize farmers' field school/climate field school to demonstrate best adaptation practices*		
A113-04	Develop formal and non-formal training programs on climate change adaptation (CCA) and disaster risk reduction (DRR)*		
A113-06	Conduct of non-farm entrepreneurial courses		
A113-07	Conduct Slope Agriculture Land Technology (SALT) training and other soil conservation measures in sloping lands for farmers		
A113-08	Improve the adaptive capacity of farmers and fisherfolk through the provision of relevant technologies and information		

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Annex A: Climate Change Typologies (LGUs)

Code	4 - Service Delivery	Code	4 - Service Delivery
A114-01	Establish early warning systems for agriculture*	M114-01	Integrated organic and inorganic nutrient management
A114-02	Introduce or expand soil management practices that control soil erosion, nutrient loss and improve the water regime in the soil profile	M114-02	Switch to soil management techniques that reduce GHG emissions or increase carbon sequestration
A114-03	Introduce or expand use of crops or crop mix more suited to climate change and climate variability	M114-03	Intensify or expand farm and fodder production using techniques that reduce GHG emissions or increase carbon sequestration
A114-04	Reduce vulnerability of crop storage facilities and irrigation systems to climate change and climate variability*	M114-04	Manure management and methane capture in animal husbandry
A114-05	Construct/Repair/Rehabilitate national and communal irrigation systems, dams and water storage systems to manage changes in the water cycle due to climate change and climate variability*	M114-05	Change forage systems to reduce ruminant methane emissions
A114-06	Introduce weather or climate indexed insurance programs (e.g. crop insurance)	M114-06	Introduce or expand water pumping for irrigation using renewable energy sources
A114-08	Change management practices or techniques to reduce vulnerability to climate change and climate variability in animal health service, pasture management, fodder production and storage practices	M114-07	Replace existing water pumps with more energy efficient pumps
A114-09	Develop innovative financing mechanisms to provide seed capital for the implementation of CCA among farmers and fisherfolks organization*	M114-08	Implement agricultural and fisheries waste recycling and composting*
A114-10	Construct water impounding dams, rainwater harvesting facilities for irrigation, and water storage systems to manage changes in the water cycle due to CC and CV	M114-09	Switch to less water intensive crops
A114-11	Construct crop storage facilities that consider climate change and variability	M114-10	Establish communal school gardens, and other community gardens for local consumption
A114-12	Promote agro-forestry such as cacao/ coffee/rubber production and seedling distribution		- Comp
A114-13	Establish Integrated Pests Management		
A114-14	Develop climate resilient livestock production system and technologies		

Annex A: Climate Change Typologies (LGUs)

	Strategic Priority		ecurity
	2- Fis	heries	
FY2016	1 - Policy Development and Governance	FY2016	1 - Policy Development and Governance
A121-02	Formulate/implement ordinances on reversion of abandoned fishponds back to mangroves*	M121-01	Formulate/implement ordinances to reduce the emissions of GHGs, or absorption of GHGs in the fishing sectors
A121-03	Harmonize climate change adaptation plans in local resource management and local fisheries development*	M121-02	Develop ordinances to reduce municipal fishing boats/improve fuel efficiency of municipal fishing boats
Code	2 - Research, Development and Extension	Code	2 - Research, Development and Extension
A122-01	Conduct of provincial-level vulnerability and risk assessments for fisheries*		
A122-02	Conduct researches on best practices in fisheries and coastal climate change adaptation, technologies and tools*		
A122-04	Develop and/or update climate change R&D agenda for fisheries sectors*		
A122-05	Promote fish farming and aquaculture practices or techniques to reduce vulnerability to CC&CV (i.e. due to changes in water quality or variation in fishing season).		
A122-06	Establish climate information systems and database for fisheries sector*		
Code	3 - Knowledge Sharing and Capacity Building	Code	3 - Knowledge Sharing and Capacity Building
A123-01	Establish a resource network / information system and database on climate change and fisheries*	M123-01	Establish or strengthen institutions, information systems and capacity building on energy and water use efficiency in fishing sector
FY2016	4 - Service Delivery	FY2016	4 - Service Delivery
A124-02	Establish early warning systems for fisheries*		

	Strategic Priority 2	2 - Water Su	fficiency
	1 – Wat	er Supply	
FY2016	1 - Policy Development and Governance	FY2016	1 - Policy Development and Governance
A211-01	Develop ordinances, policies and guidelines for water conservation, allocation, recycling and reuse*	M211-01	Sector reform to improve water use efficiency to reduce energy use for pumping water (e.g. water pricing)
A211-02	Review and streamline existing water resources management and institutional structure and policies*		
A211-03	Develop and implement a comprehensive ground water management program that includes vulnerability assessment*		
A211-04	Develop public financing mechanism for water supply infrastructures rehabilitation and development*		
A211-05	Incorporate risks from climate change and climate variability in water, sanitation and flood protection planning		

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Annex A: Climate Change Typologies (LGUs)

A211-06	Review financing, tariffs, and system of incentives to reflect the full cost of providing safe water*		
FY2016	2 - Research, Development and Extension	FY2016	2 - Research, Development and Extension
A212-01	Study "low cost, no regrets" adaptation measures and technologies under various hydrologic conditions, supply-demand conditions, and policy scenarios for surface and groundwater systems*	M212-01	Administration, sector studies, surveys, assessments, information systems and capacity building for energy and water use efficiency in water, sanitation and flood protection
A212-02	Define areas not suitable for large water infrastructure development and settlements based on vulnerability assessment*		
A212-03	Conduct ground water resource vulnerability and recharge areas assessment in water stressed cities*		
A212-05	Identify alternative water sources and demand management especially for urbanized areas that rely on reservoirs and are prone to recurrent and severe drought events*		
A212-06	Study and adopt centralized wastewater treatment systems to improve quality in highly urbanized and densely populated areas		
A212-07	Conduct water resource supply and demand analysis under various hydrologic conditions and climate scenarios*		
A212-08	Incorporate water cycles change from CC & CV into trans-boundary water basin planning		
Code	3 - Knowledge Sharing and Capacity Building	Code	3 - Knowledge Sharing and Capacity Buildin
A213-01	Training for community-based water associations to manage water supply infrastructures	M213-01	Train managers or workers to improve water or energy efficiency in business operations
A213-02	Conduct Integrated Water Resource Management and CC adaptation and disaster risk reduction training for vulnerable communities*		
A213-03	Develop gendered and accessible knowledge products and IEC materials that include local and indigenous knowledge on water resources management, CC impacts on water resources and adaptation best practices*		
A213-04	Develop and network government database on water resources and users*		
Code	4 - Service Delivery	Code	4 - Service Delivery
A214-01	Incorporate climate change and climate variability in water supply infrastructure/ Rehabilitate water infrastructure with climate lens (use of climate projections and other relevant climate data)*	M214-01	Reduce energy intensity of existing water supply systems (e.g. replacing pumps)

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Annex A: Climate Change Typologies (LGUs)

A214-02	Construct new and expand existing water supply infrastructures for waterless communities*	M214-02	Reduce or capture methane emission from ventilated improved pit latrines.
A214-03	Treatment of wastewater for conservation/re-use purposes to respond to declines in water availability due to climate change and climate variability	M214-03	Reduce per capita water consumption using demand-side interventions (e.g. household water, shower, toilet, and dishwasher)
A214-04	Incorporate changes in design of sanitation systems, wastewater treatment and disposal system in response to extreme weather and flood events arising from climate change and climate variability	M214-04	Reduce GHG emission (methane and nitrous oxide) from wastewater
A214-05	Implement/install water harvesting technologies* (e.g. small water impounding project)	M214-05	Reduce energy consumption during wastewater treatment (e.g. from activated sludge to up flow anaerobic sludge)

	Strategic Priority 2	- Water Su	ifficiency
	2- Flood P	rotection	
Code	1 - Policy Development and Governance	Code	1 - Policy Development and Governance
A221-01	Formulate and implement ordinances and policies for rain water collection, such small water impoundments, retarding basins, mini dams to address water shortage and flooding*		
A221-02	Design guidelines, emergency protocols, and encourage preparedness and risk/contingency planning in communities that are at risk to present or future flooding		
Code	2 - Research, Development and Extension	Code	2 - Research, Development and Extension
A222-01	Conduct vulnerability assessments in communities, LGUs, and sectors that are at risk to present or future flooding		
A222-02	Improve hydromet infrastructure and monitoring systems for data collection and management and the development and delivery of information, products and services to increase flood resilience		
A222-03	Develop innovative technologies and methodologies to communicating flood emergency information and longer-term risks of flooding to relevant populations and communities		
Code	3 - Knowledge Sharing and Capacity Building	Code	3 - Knowledge Sharing and Capacity Building
A223-01	Build local capacity for the management of climate change and extreme flood risks, and increase capacity in conducting vulnerability assessments		
A223-02	Increase knowledge to consider climate change information and climate risk in water resources management		

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Annex A: Climate Change Typologies (LGUs)

Code	4 – Service Delivery	Code	4 - Service Delivery
A224-01	Incorporate climate change and climate variability in design standards for flood control and drainage systems		
A224-02	Improve resilience of infrastructure (bridges, water supply, community infrastructure, water storage, coastal defense, etc) to account for climate change and climate variability related extreme weather and climate variability that could increase flood risks in infrastructure		
A224-03	Protect or re-establish mangrove forests, wetlands, and other ecosystems as protection against floods risks		
A224-05	Improve early warning information and alert systems to increase readiness to extreme flood risks		

	Strategic Priority 2	- Water Su	fficiency
	3 - Water ar	nd Sanitatio	n
Code	1 - Policy Development and Governance	Code	1 - Policy Development and Governance
A231-02	Design guidance for incorporating climate change risk into water sanitation and treatment planning, operation, and management (including accounting for increased construction and maintenance costs that account for climate risk)		
A231-03	Incorporate risk of sea level rise, storm surge, and saltwater intrusion on the design and upgrades of coastal water sanitation infrastructure		
Code	2 - Research, Development and Extension	Code	2 - Research, Development and Extension
A232-01	Study and adopt centralized wastewater treatment systems to improve quality in highly urbanized and densely populated areas with respect to increased flooding, storm surge, and extreme precipitation events		
A232-02	Conduct vulnerability assessments for the sanitation and treatment of water supply		
Code	3 - Knowledge Sharing and Capacity Building	Code	3 - Knowledge Sharing and Capacity Building
A233-01	Increase local knowledge for how to consider climate change information and climate risk in water quality and wastewater treatment		
FY2016	4 - Service Delivery	FY2016	4 - Service Delivery
A234-01	Expand the establishment of alternative micro-water purification systems especially to areas that cannot be reached by safe water supply*		

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A234-02	Monitor impact of climate change and climate variability as part of water resource management	
A234-03	Incorporate changes in design of sanitation systems, wastewater treatment and disposal system in response to extreme weather and flood events arising from climate change and climate variability	

	Strategic Priority 3 – Ecologic 1 - Forest an		
Code	1 - Policy Development and Governance	Code	1 - Policy Development and Governance
A311-01	Design and implement payments for environmental services and other innovative conservation financing mechanisms to support ecosystem-based adaptation and mitigation*	M311-01	Implement and monitor progress of Reducing Emissions from Deforestation and Forest Degradation (REDD+) related policies*
A311-03	Integrated ecosystem management approaches for watersheds and wetlands to reduce vulnerability to climate change and climate variability		
A311-05	Develop guidelines for implementing Integrated Water Resources Management (IWRM) and climate change adaptation at the local, watershed and river basin level*		
A311-06	Formulate ordinances/policies to reduce the human-related impacts to coral reefs to help lessen the reefs' vulnerability to climate change		
Code	2 - Research, Development and Extension	Code	2 - Research, Development and Extension
A312-01	Conduct ecosystems vulnerability and risk assessment*	M312-01	Greenhouse gas accounting and inventory
A312-02	Study, design and implement financing mechanisms for IWRM and climate change adaptation implementation in critical watersheds and river basins*		
FY2016	3 - Knowledge Sharing and Capacity Building	FY2016	3 - Knowledge Sharing and Capacity Building
A313-01	Training on vulnerability and risk assessments*		
A313-03	Establish management information system for different ecosystems that link various data sources*		
A313-04	Document and disseminate best practices, including climate change responsive indigenous practices*		
A313-05	Festivals and events which advocate the protection and preservation of nature		
Code	4 – Service Delivery	Code	4 - Service Delivery

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A314-01	Delineate/Rehabilitate/Reforest degraded watersheds and forest areas	M314-01	Re-forestation and afforestation that increases vegetative cover or sequesters carbon
A314-02	Conserve and protect existing watershed and protected areas	M314-02	Sustainable peat land/ wetland/forest management and protection
A314-03	Delineate "ridge-to-reef" ecosystem-based management zones for the ecotowns through multi stakeholder process*	M314-03	Avoided deforestation (e.g. Bantay Gubat; Bantay Bakawan)
A314-04	Update status of Protected Areas and Key Biodiversity Areas from results from the vulnerability and risk assessment*	M314-04	Management and protection of Tree Parks/Provincial Forests and Nursery
A314-06	Improve physical system performance of river basins	M314-05	Oplan Sagip Kalikasan/Urban greening program
A314-07	Seedling production; management of mangrove nursery	M314-06	Identify and implement a moratorium of mining operations in protected areas pending vulnerability and risk assessment and economic valuation studies*
A314-08	Agro-forestry to diversify farmers' incomes and provide alternatives livelihood during extreme weather events (i.e. drought)	M314-07	Re-establish and protect mangroves, floodplains and seagrass beds with carbon sequestration properties
A314-09	Integrated tree planting along riverbanks/ river bank rehabilitation / that reduce the risk of flooding	M314-08	Green charcoal briquetting facility that reduce deforestation
A314-10	Establishment of database network on wildlife, genetic biodiversity and biosafety	M314-09	Monitor illegal mining activities that emit greenhouse gasses

2 – Solid Waste					
Code	1 - Policy Development and Governance	Code	1 - Policy Development and Governance		
A321-01	Incorporate change in design of solid waste management systems in response to extreme weather and flood events arising from CC&CV	M321-01	Develop and implement ordinances and policies that promote a system of incentives for the use of reusable bags and containers/ban or impose a fee on the use of plastic bags*		
Code	2 - Research, Development and Extension	Code	2 - Research, Development and Extension		
		M322-01	Conduct Waste Amount & Composition Study (WACS)		
FY2016	3 - Knowledge Sharing and Capacity Building	FY2016	3 - Knowledge Sharing and Capacity Building		
		M323-01	Conduct intensive IEC on waste reduction, segregation and composting		
Code	4 – Service Delivery	Code	4 - Service Delivery		
		M324-01	Waste reduction and diversion program/Intensify waste segregation at source, discard recovery, composting and recycling*		
		M324-02	Construction and operation of Materials Composting and Recovery Facility (MRCF) Building; Buyback Center; Purchase of MCRF equipment		

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M324-03	Upgrade existing landfills to capture methane for energy generation or gas flaring for CO2 generation
M324-04	Establish and implement ecological solid waste management (ESWM) program in accordance with Republic Act 9003
M324-05	Close solid waste management sites in environmentally critical areas

	Strategic Priority 4		security
		ealth	
FY2016	1 - Policy Development and Governance	FY2016	1 - Policy Development and Governance
A411-01	Develop guidelines on treatment of health issues due to climate change and climate variability		
A411-02	Include climate related diseases in basic benefits of insurance policies		
A411-03	Develop policy requiring integration of climate change and disaster risk reduction concepts and approaches in medical and allied health training courses*		
A411-04	Develop and implement monitoring health infrastructure damage and rehabilitation plan*		
A411-05	Develop and implement post disaster epidemic outbreak management and disease surveillance system (ex. water- borne diseases and other health risks due to climate change)*		
A411-06	Planning for Climate Change Adaptation for health sector		
A411-07	Expand insurance eligibility to populations vulnerable to climate related diseases		
FY2016	2 - Research, Development and Extension	FY2016	2 - Research, Development and Extension
A412-01	Assess changes in risk, exposure or sensitivity to climate change and climate variability related diseases for vulnerable groups		
A412-02	Assess impact of climate change and climate variability on livelihoods and poverty with focus on vulnerable groups		
A412-03	Vulnerability and risk assessment for government infrastructure (e.g. hospitals, health centers, and barangay health units)		
A412-04	Risk Assessment for barangays		
FY2016	3 - Knowledge Sharing and Capacity Building	FY2016	3 - Knowledge Sharing and Capacity Buildin
A413-01	Training and education of health personnel on treatment, monitoring and surveillance of climate change and climate variability related health issues *		

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A413-02	Strengthen health management information management		
A413-03	Incorporate climate related health risks into clinical practice guidelines, and curricula for continuous medical education		
A413-04	Training for health emergency preparedness and response*		
FY2016	4 - Service Delivery	FY2016	4 - Service Delivery
A414-01	Develop and implement program for community-based adaptation measures and health emergency preparedness*		
A414-02	Upgrade health systems to respond to changes in environmental health risks from climate change and climate variability (e.g. malaria)		
A414-03	Develop food safety/ food security measures that take account of new conditions caused by climate change		
A414-04	Development of livelihood diversification strategies to reduce dependence of climate related income opportunities		
A414-05	Implement program for community health emergency preparedness and response*		
A414-06	Development of social protection strategies to respond to climate change and climate variability		

	Strategic Priority 4	- Human S	Security
	2 - Settlements ar	nd Local La	nd Use
Code	1 - Policy Development and Governance	Code	1 - Policy Development and Governance
A421-01	Mainstreaming of CC-DRRM in local plans* (PDPFP, CLUP, CDP, ELA)		
A421-02	Incorporate vulnerability to CC and CV in housing design standards		
A421-03	Develop green building ordinance/rating scheme, specifications and criteria*		
A421-04	Develop and implement programs and incentive system for CC proofing and retrofitting water infrastructure at the household/community level*		
A421-05	Regulate settlements in areas vulnerable to CC & CV		
Code	2 - Research, Development and Extension	Code	2 - Research, Development and Extension
A422-01	Identify, map and profile areas and communities highly prone to climate- related disasters*		
A422-02	Conduct risk and vulnerability assessment*		
A422-03	Conduct a study on population carrying capacity of areas and CC adaptive capacity of various communities*		

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A422-04	Identify most CC vulnerable sectors and population*		9.
A422-05	Conduct of CBMS with DRRM/CCA		
Code	3 - Knowledge Sharing and Capacity Building	Code	3 - Knowledge Sharing and Capacity Building
A423-01	Develop and implement knowledge management on climate change and disaster risks for local government units and communities*		
A423-02	Increase local capacity for forecasting, early warning (including indigenous systems) and disaster risk communication*		
A423-03	Conduct training of trainers to respond to the needs of communities for CCA*		
Code	4 – Service Delivery	Code	4 - Service Delivery
A424-01	Identify and implement gender-responsive sustainable livelihood and social protection programs for resettled and vulnerable poor families*	M424-01	Retrofit/ Install new heating and cooling systems using renewable energy
A424-02	Develop and implement post-disaster resettlement and counseling of displaced families and communities*	M424-02	Promote/Build energy efficient housing
A424-03	Implement mixed-use, medium-to-high density developments, integrated land use- transport plan in developing new urban communities or in expanding existing ones*		
A424-04	Expand the establishment of alternative micro-water purification systems especially to areas that cannot be reached by safe water supply*		
A424-05	Develop and implement a CC adaptation plan for settlement/resettlement in consultation with affected communities, private sector, and civil society organization		
A424-06	Construct new low-cost housing, relocation, and other mass dwellings to climate resilient design standards		
A424-07	Reconstruction of housing projects damaged by calamities (Building Back Better)		
A424-08	Relocating flood prone communities and commercial centers to safer areas		
A424-09	Disaster and Climate Risk Monitoring System		
A424-10	Install Early Warning Systems		
A424-11	Construction of climate resilient elementary and secondary school buildings (safe from climate hazards; considers climate risks)		
A424-12	Climate proofing/retrofitting or relocating of government infrastructure (i.e. schools and government hospitals, health centers,		

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	rural health units, teen centers) from climate hazards	
A424-13	Demolition of illegal structures occupied by informal settlers in high risk areas/ Relocation of informal settlers	

	1 - Tourism, Tra	1 - Tourism, Trade and Industries					
Code	1 - Policy Development and Governance	Code	1 - Policy Development and Governance				
A511-02	Incorporate new CC&CV resilient design standards in new buildings	M511-01	Introduce rules and regulations to reduce GHG emissions or absorb of GHGs in industry and trade				
A511-04	Formulate/enhance tourism plans, policies and strategies to promote green tourism*	M511-03	Introduce a system of incentives to encourage the use of climate-smart technologies and practices				
A511-05	Create an enabling ordinance/policy for the development and implementation of climate-smart industries and services*	M511-04	Integrate monitoring of existing and new- climate smart industries and services within existing business registration system*				
A511-06	Introduce regulations and programs to support climate resilient investments	M511-05	Implement a system of collection, analysis and reporting of baseline and new data on green jobs and employment*				
Code	2 - Research, Development and Extension	Code	2 - Research, Development and Extension				
A512-01	Identify the carrying capacity of tourism areas*	M512-01	Conduct baseline inventory of climate-smart industries and services and good practices in the local government unit*				
A512-02	Aquasilviculture Demo Farm to rehabilitate mangroves and address climate change and provide livelihood	M512-02	Baseline data on GHG emissions from industry and other sources				
		M512-04	Forge partnerships with industry, academe, and research organizations on R&D of climate-smart technologies and products in the locality				
Code	3 - Knowledge Sharing and Capacity Building	Code	3 - Knowledge Sharing and Capacity Building				
A513-01	Promote public-private partnership to increase investments in the development of climate-smart technologies, products and services*	M513-01	Develop modules and conduct trainings to capacitate industries to conduct GHG emissions inventory and carbon footprint*				
A513-02	Assist SMEs in developing capacity for eco- efficient production*						
Code	4 - Service Delivery	Code	4 - Service Delivery				
A514-01	Marketing and trade support for changing agricultural product mix in response to climate change and climate variability	M514-01	Marketing and trade support for products that reduce GHG emissions per unit of output				
A514-02	Support new income generating opportunities and industries utilizing natural resource better adapted to climate change and climate variability	M514-02	Marketing and trade support for agricultural products that use integrated organic and inorganic nutrient management				
A514-03	Retrofit assets and capital to protect against CC and CV	M514-03	Rehabilitate/reforest degraded tourism areas				

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	Support industries that are better adapted	
A514-04	to CC and CV (e.g. Tiger-grass production	
	for agri-business)	

	Strategic Priority 6	- Sustainabl	e Energy
	1 - Energy	Efficiency	
FY2016	1 - Policy Development and Governance	FY2016	1 - Policy Development and Governance
A611-04	Mandatory implementation of AO110 and AO126 directing the institutionalization of Government Energy Management Program*	M611-01	Change operational procedures or techniques, or retrofit technologies to reduce GHG emissions in existing operations
	M611-03	Develop/implement ordinances and policies to improve energy efficiency – in buildings, agriculture, industry and city/municipal services (e.g. public building maintenance program to improve energy efficiency; use of more energy efficient street lighting such as LED).	
		M611-04	Develop a certification system/incentives for voluntary adoption of energy efficiency labelling, green building rating, and ISO 50001 certification
		M611-05	Develop a local renewable energy program*
Code	2 - Research, Development and Extension	Code	2 - Research, Development and Extension
A612-01	Conduct sustainable and renewable energy resource assessments (e.g. hydro, geothermal, biomass, wind, ocean and solar)*	M612-02	Sector studies, surveys, assessments and information systems on energy efficiency, efficient energy pricing, and promotion of renewable energy
Code	3 - Knowledge Sharing and Capacity Building	Code	3 - Knowledge Sharing and Capacity Building
A613-02	Conduct capacity building of community- based renewable energy organizations on system maintenance, energy efficiency and conservation, organizational development, tariff setting and management systems*	M613-01	Sector reform and capacity building related to energy efficiency in energy sector, promotion of renewable energy and efficient energy pricing
		M613-02	Strengthen regulatory and institutional framework to support expansion of renewable power generation
		M613-03	Strengthening capacity of institutions to plan for low-carbon growth and environmentally sustainable energy supply
Code	4 - Service Delivery	Code	4 - Service Delivery
A614-01	Design and implement system of incentives for renewable energy for host communities and local government units that can be used for sustainable livelihood programs and climate change adaptation measures*	M614-02	Pilot programs on energy efficiency activities

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	Strategic Priority 6	- Sustainabl	e Energy
	2 - Power	Generation	
Code	1 - Policy Development and Governance	Code	1 - Policy Development and Governance
		M621-04	Develop RE project-based and service contracts-based portfolios to encourage potential investors in identified sites
Code	2 - Research, Development and Extension	Code	2 - Research, Development and Extension
		M622-02	Conduct survey of RE potential in off-grid areas
Code	3 - Knowledge Sharing and Capacity Building	Code	3 - Knowledge Sharing and Capacity Building
		M623-01	Conduct capacity building of community- based RE organizations on RE system maintenance, EE&C organizational development, tariff setting and management systems
Code	4 - Service Delivery	Code	4 - Service Delivery
A624-02	Flood protection or irrigation from construction of dams or water storage system that manage changes in the water cycle due to CC & CV	M624-06	Development of renewable energy(i.e. Establishment of Solar Panels/Installation of Wind Mill/Bio-Gas)
A624-03	Improve design of wind turbine structures to withstand higher wind speeds as a result of extreme weather events	M624-07	Clean Cities Initiatives or those that promote/increase utilization of alternative/clean fuels for the transport sector (tricycle, jeepney, bus, private and government vehicles)
A624-04	Improve design of solar panels to withstand higher intensity storms resulting from climate change and climate variability		
A624-05	Secure access to water for crops used as bioenergy source		

	Strategic Priority 6- Sustainable Energy					
	3 - Transportation and Communication					
Code	1 - Policy Development and Governance	Code	1 - Policy Development and Governance			
A631-01	Incorporate risks from climate change and climate variability in transportation system planning	M631-01	Improve vehicle emission standards			
		M631-02	Improve fuel efficiency standards			
		M631-03	Strengthen vehicle inspection systems on emissions and fuel efficiency			
		M631-04	Develop ordinances/policies to encourage shift from higher carbon to lower carbon transport modes (i.e. pedestrianization, bicycle lanes, public transport)			
FY2016	3 - Knowledge Sharing and Capacity Building	FY2016	3 - Knowledge Sharing and Capacity Building			

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		M633-01	Capacity building related to energy efficiency in the transport sector
FY2016	4 – Service Delivery	FY2016	4 - Service Delivery
A634-01	Protect transport infrastructure against extreme weather events (especially floods and storms) becoming more frequent and violent due to CC and CV	M634-01	Urban traffic management (e.g. improve traffic flow) to reduce GHG emissions per unit transported
A634-02	Establish emergency services designed to cope with climate change and climate variability related emergencies in the transport sector	M634-02	Improved waterways, port and aviation facilities to reduce the carbon intensity per unit transported
A634-03	Construct new roads, ports, airports and aviation infrastructure to climate resilient design standards	M634-03	New railway lines for electricity based railcars
A634-04	Upgrade existing roads, ports and aviation infrastructure to climate resilient design standards	M634-05	Improve energy efficiency in telecommunications information technologies
A634-05	Development of telecommunications infrastructure for use as part of an emergency response system during extreme weather events		
A634-06	Enhance road maintenance to respond to climate change and climate variability		
A634-07	Enhanced waterway maintenance to respond to climate change and climate variability		

	Strategic Priority 7 – Knowledg	ge and Cap	pacity Development
	1 - Education a	nd Climate	Science
Code	1 - Policy Development and Governance	Code	1 - Policy Development and Governance
A711-04	Creation of offices with a mandate for climate change adaptation and mitigation		
Code	3 - Knowledge Sharing and Capacity Building	Code	3 - Knowledge Sharing and Capacity Building
A713-01	Awareness raising programs on climate change and climate variability		
A713-02	Training for pre-elementary, elementary, high school and college teachers on integrating climate change in basic courses*		
A713-03	Upgrade personnel's capacity and skills on climate change modeling and weather forecasting*		
A713-04	Capacity building to address vulnerability to climate change and climate variability		
A713-05	Climate Change 101 or Introductory Course on Climate Change		
A713-06	Support to international campaigns that promote climate change adaptation and mitigation (e.g. Earth month)		
Code	4 - Service Delivery	Code	4 - Service Delivery

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Annex A: Climate Change Typologies (LGUs)

A714-01	Review and development of curricula to take account of climate aspects in basic education, vocational training and other forms of follow-up training and education	M714-01	Development of curricula or programs focused on reducing GHG emissions, energy consumption or water consumption for elementary and high school
A714-02	Review and revise, current textbooks, modules and exemplars for pre- elementary, elementary, for climate change content and gender-sensitivity*		
A714-03	Review and revise, current textbooks, modules and exemplars for high school and alternative learning system for climate change content and gender-sensitivity*		
A714-05	Improve government systems and infrastructure required for climate change modeling and climate forecasting*		
A714-06	Establish centers on climate change adaptation/mitigation and best practices and innovations (e.g. Climate Change Academy)		

Strategic Priority 8 - Finance					
Code	1 - Policy Development and Governance	Code	1 - Policy Development and Governance		
A811-01	Introduce ordinances and programs to support climate resilient investments	M811-01	Introduce ordinances, programs or financial instruments to support GHG reducing activities		
A811-02	Expand insurance eligibility to populations vulnerable to climate related diseases	M811-02	Strengthen institution and policies to mobilize carbon finance		
A811-03	Regulate or provide incentives in housing finance to encourage upgrading of existing real estate that reduces vulnerability to CC and CV	M811-03	Prepare for carbon markets or implement carbon finance market transactions		
A811-04	Develop and introduce weather or climate indexed insurance programs (e.g. crop insurance)	M811-04	Develop ordinances or provide incentives in housing finance to support energy saving designs and standards		
Code	2 - Research, Development and Extension	Code	2 - Research, Development and Extension		
A812-04	Economic analysis of financial needs for adapting to climate change and climate variability (cost of adaptation)	M812-03	Reduce fossil-fuel consumption through taxes, levies or fees on energy or transport services		
Code	3 - Knowledge Sharing and Capacity Building	Code	3 - Knowledge Sharing and Capacity Building		
		M813-01	Strengthen LGUs in developing policies to mobilize carbon finance		
Code	4 - Service Delivery	Code	4 - Service Delivery		
A814-02	Introduce green bonds or other securities specifically targeted at adaptation to climate change and climate variability	M814-01	Provide lines of credit for investments in reduction of GHG emissions and/or absorption of GHGs		
		M814-02	Support to access carbon markets		
		M814-03	Introduce green bonds or other securities specifically targeted at reducing GHG emission or sequestering GHGs		

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