

Annex 1 Priority Climate Change Responses at ADB 2009–2015

PRIORITY AREA	POLICY AND INSTITUTIONAL RESPONSES	REGIONAL OPERATIONS: SHORT AND MEDIUM TERM RESPONSES				
		*(indicative projects from 2009–2011 pipeline)				
		CWRD	EARD	PARD	SARD	SERD
Low-carbon Growth	Asia Clean Energy Forum (w/USAID)	Enabling Climate Change Interventions in CWRD Countries	Regional Technical Assistance -Pricing for Renewable Energy and Advanced Clean Coal Technology	Capacity building for clean energy funds and energy service companies	Bangladesh, India, Sri Lanka: Support to power sector reforms in several states in all countries	GMS Energy Sector Analysis
	High-Level Dialogue on Climate change (w/TERI)					
	Climate Change Fund, Mitigation Component	Alternative Energy in Azerbaijan: Sector Analysis and Road Map	Samoa Power Sector Expansion Project Development Plan			
	Carbon Market Initiative : Asia Pacific Carbon Fund and Future Carbon Fund			Central Asia Water-Energy Nexus		
	Low-carbon Technology Marketplace					
	Clean Technology Fund of the Climate Investment Funds					
	Study: Climate Change and Energy					
	Study: Sustainable Transport and Fuel Security					

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Energy Efficiency	Energy Efficiency Initiative, financed by the Clean Energy Financing Partnership Facility	<p>Afghanistan: Energy Sector Development Investment Program</p> <p>Azerbaijan: Power Transmission Enhancement Project</p> <p>Georgia: Energy Development</p> <p>Afghanistan and Kyrgyzstan, Tajikistan: CASAREM Rehabilitation of Transmission System</p>	<p>PRC: Tianjin IGCC Power Plant Project</p> <p>PRC: Guandong Energy Conservation and Resource Management*</p> <p>PRC: Partial Risk Guarantee for Energy Efficiency Improvements in Buildings</p> <p>Mongolia: Ulaanbaatar Energy Efficiency in Buildings</p>	Promoting Energy Efficiency in the Pacific and follow-on investments co-financed with GEF	<p>India: GHG Emission Reductions through Grid Connected High Efficiency Power Generation*</p> <p>India: Assam Energy Efficiency Enhancement</p>	<p>Indonesia: Energy Efficiency (transmission, demand and supply efficiency) in five regions</p> <p>Philippines: Energy Efficiency Project (energy efficient lamps)</p>
Renewable Energy	Energy for All Initiative, financed by the Clean Energy Financing Partnership Facility	<p>New Bong Escape Hydropower Project*</p> <p>Pakistan Renewable Energy Development*</p>	<p>PRC: Gansu Heihe Rural Hydropower Development</p> <p>PRC: Zhangbei Wind Power Project*</p> <p>PRC: Henan Efficient Utilization of Agricultural Waste (Biogas)*</p>	<p>Fiji: Kinoya Waste Water Biogas*</p> <p>Samoa: Hydropower Rehabilitation*</p> <p>Fiji: Preparing the Renewable Power Sector Project</p> <p>PNG: Power Sector Development Plan</p>	<p>India: The Tata Power Wind Energy Financing Facility Company Limited (TPC)*</p> <p>Bhutan Green Power Development</p> <p>Maldives National Development Plan for renewable energy*</p>	<p>Laos: Small and Mini-Hydroelectric Power Development Project</p> <p>Philippines: Ctrade Pig Farms (Biogas)*</p> <p>Philippines: Renewable Energy and Livelihood Development (JFPR)</p>

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Transport and Urban Planning	<p>Sustainable Transport Initiative and Sustainable Transport Forum</p> <p>Cities Development Initiative for Asia</p> <p>Support for Energy, Transport and Urban sector planning</p>	<p>Georgia: Tbilisi Urban Transport Project</p> <p>Pakistan: Faisalbad Urban Transport</p> <p>Pakistan: Punjab Cities Urban Services</p> <p>Uzbekistan: Surkhandarya Water Supply and Sanitation Project</p>	<p>PRC: Lanzhou Sustainable Urban Transport Project</p> <p>Mongolia: Urban Transport Development</p> <p>PRC: Gansu Baiyin Urban Development Project</p>		<p>Bangladesh: Integrated City Transport</p> <p>India: Kerala Sustainable Urban Development*</p> <p>Maldives: Multimodal Transport</p> <p>Nepal: Secondary Towns Integrated Urban Environment Improvement</p>	<p>Laos: Clean Environment Solid Waste Management Project</p> <p>Thailand: Bangkok MRT Integrated Ticketing Project</p> <p>Viet Nam: Ho Chi Minh City Mass Rapid Transit Line 2 Project</p>
Resilient Economies	<p>High-Level Dialogue on Climate change (w/TERI)</p> <p>Pilot Program for Climate Resilience: Participation in Bangladesh, Cambodia, Nepal, Tajikistan and Pacific Region</p> <p>Publication: Under the Water and the Rising Tide: Adapting to Climate Change in Asia and the Pacific</p>	<p>Enabling Climate Change Interventions in CWRD Countries</p> <p>Improved Capacity for Climate Change Projection in the Syr Darya River Basin</p> <p>Central Asia Water-Energy Nexus</p>	<p>Planned Study: Economics of Climate Change in East Asia</p> <p>PRC: Study: Government Public Expenditure in Agricultural Production</p>	<p>Coordination of donor initiatives (led by SPSO)</p> <p>Continue dialogue with regional organizations (CROP, SPREP)</p> <p>The Coral Triangle Initiative: Adaptation of Coastal and Marine Resources</p>	<p>Planned Study: Economics of Climate Change in South Asia</p> <p>Sri Lanka: SRI: Strengthening Capacity for Climate Change Adaptation</p>	<p>Economics of Climate Change in Southeast Asia (w/ Economics Research Department)</p> <p>GMS Communicable Disease Control</p> <p>The Coral Triangle Initiative: Adaptation of Coastal and Marine Resources</p>

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	Publication: "Climate Proofing – A Risk-based Approach to Adaptation"	High-level Conference: "From Katmandu to Copenhagen"			Nepal: Community-based Vulnerability Assessment, Risk Mapping and Adaptation Planning High-level Conference: "From Katmandu to Copenhagen"	Cambodia, Laos, Viet Nam: Mekong Water Supply and Sanitation Project
Main-streaming Adaptation in Planning	Promoting Climate Change Adaptation in Asia and the Pacific Study: Climate Change and Migration Technical Assistance: Addressing Climate Change-Induced Migration in Asia and Pacific	Glacial Melt and Downstream Impacts on Indus-Dependent Water Resources and Energy		Mainstreaming climate change mitigation and adaptation in the CPSs of PDMCs (Samoa 2008)	Bangladesh: Supporting National Action Plan for Climate Change Nepal: Strengthening Capacity for Managing Climate Change and the Environment	GMS – Land Use Management and Spatial Land Use Planning Decision Support Tools
Disaster Preparedness	Strengthen adaptation in line with ADB Disaster and Emergency Assistance Policy and the Hyogo Framework for Action. Asia Pacific Disaster Response Fund		Coastal and river delta flooding (PRC) Hunan Flood Management	Regional Partnerships for Climate Change Adaptation and Disaster Preparedness	Bangladesh: National Disaster Risk Management Project India: Sustainable Coastal Protection and Management Project	Cambodia, Laos, Viet Nam: GMS Flood and Drought Risk Management and Irrigation Indonesia: Flood Management in Selected River Basins

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Sector Strategies	<p>Study: Building Climate Resilience in the Agriculture Sector</p> <p>Water Financing Partnership Facility and Water and Climate Change Fund</p> <p>Water and Climate Change Knowledge Hub (w/ NAHRIM)</p>	<p>Uzbekistan: Surkhandarya Water Supply and Sanitation Project</p> <p>Pakistan: Punjab Irrigated Agriculture Sector</p> <p>Uzbekistan: Irrigation and Water Management</p>	<p>Qingdao Water Resources Management and Wetland Protection</p> <p>Henan Sustainable Agriculture and Productivity Improvement</p>	<p>Climate Risk Profiles studies in ten PDMCs</p> <p>Fiji: Power sector development projects with the Fiji Electricity Authority</p>	<p>Nepal: Climate Impact Scenarios and Adaptation Strategies through Sustainable Watershed Management and Livelihood Practices</p>	<p>Indonesia Metropolitan Sanitation Management and Health Project</p> <p>Philippines: Irrigation Systems Operation Efficiency Improvement</p>
Climate Proofing Infrastructure	<p>ADB Climate Risk Screening Tool</p> <p>Climate Change Fund Adaptation Component</p>	<p>Pakistan National Highway Development</p> <p>Kyrgyzstan CAREC Transport Corridor</p> <p>Tajikistan Dushanbe-Kyrgyz Border Road Rehabilitation</p>		<p>Cook Islands: Avatiu Harbor Development</p> <p>PNG: Highland Region Road Improvement Program</p> <p>Timor Leste: Road Network Project in Timor Leste</p>	<p>Nepal: Road Connectivity Sector II Project</p>	<p>INO: Climate Change Adaptation in the 6 CI's River Basin Territory</p> <p>Viet Nam: Central Regions Water Supply and Sanitation</p>

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Forestry and Land Use	<p>Climate Change Fund – REDD Pilot Component</p> <p>Regional Technical Assistance on Capturing Economic Benefits from Ecosystem Services</p> <p>Poverty Environment Fund</p>	<p>Central Asian Countries Initiative for Land Management</p>	<p>Integrated Ecosystem Management in Ningxia Hui Autonomous Region (financed by GEF)</p> <p>Integrated Ecosystem Management in Ningxia Hui Autonomous Region (financed by GEF)</p> <p>Mongolia: Development of a Sustainable Agro-Pastoral System in Semi-Arid Areas</p>		<p>Bangladesh: Sustainable Participatory Livestock Development</p>	<p>GMS Lao PDR Forest Sector Material Flow Analysis</p> <p>Cambodia, Laos and Viet Nam: Biodiversity Conservation Corridor</p> <p>Philippines: Integrated Natural Resources and Environmental Management Project</p>