

ASIAN DEVELOPMENT BANK CLEAN ENERGY INVESTMENTS

ADB Total Loan/Investment (\$ million) = 1,462.3

ADB Total Clean Energy Investment (\$ million) = 928.2

PRIVATE SECTOR INVESTMENTS

Loan No.	Country	Project Name	Project Description	Loan /Investment (\$million)	% CE Component	CE Investment (\$million)	Board Approval Date
RENEWABLE ENERGY							
7291/2505	PRC	Sanchuan Clean Energy Development Co. Ltd. (Small Hydropower Development Project)	The project supports Sanchuan's expansion and capital expenditure plan to build, rehabilitate, expand, upgrade, privatize and/or operate small hydropower plants. This will provide renewable energy to the relatively underdeveloped central and western regions of PRC.	203.572	100%	203.572	13-Jan-09
7290/2504	THA	Biomass Co. (Biomass Power Project)	This project involves the construction and operation of a 125 MW biomass power plant using wood waste products as fuel. The project will save about 4 million tons of CO2 during the first 10 years of operations.	76.8	100%	76.75	13-Jan-2009
7300	IND	Public-Private Partnership for Renewable Energy development	The joint venture company intends to commission 500 MW of additional renewable power generation by 2012 by implementing projects through public-private partnerships. These partnerships will catalyze investment in clean energy from the private sector. The 500 MW of renewable power will avoid 1.1 million tons per year of CO2 emissions and contribute to India's goal of generating 10% of its power needs from renewable sources by 2012.	40.0	100%	40	28-May-2009
7296	PRC	Municipal Waste to Energy Project	The project will support the construction and operation of a waste-to-energy system in the secondary cities in PRC. Clean technologies will be utilized to treat 8,000 tons of municipal solid waste daily from an urban population of 16 million. The system is expected to generate approximately 800 GWh of electricity by 2013.	200.0	100%	200	4-Jun-2009
Sub total				520.3		520.3	
DEMAND SIDE ENERGY EFFICIENCY							
NONE							
SUPPLY SIDE ENERGY EFFICIENCY							
NONE							
OTHER							
NONE							
LARGE HYDROPOWER							
NONE							
EFFICIENCY IN FOSSIL FUELS							
NONE							
Private Sector Total				520.3		520.3	

ASIAN DEVELOPMENT BANK CLEAN ENERGY INVESTMENTS

PUBLIC SECTOR INVESTMENTS

Loan No.	Country	Project Name	Project Description	Loan /Investment (\$million)	% CE Component	CE Investment (\$million)	Board Approval Date
RENEWABLE ENERGY							
2502	IND	Uttarakhand Power Sector Investment Program-Project 3	Under the Project, a substation will be constructed to evacuate power solely from Loharinangpala 600 MW hydro power station, bringing the benefits of renewable energy to a greater portion of India's population.	30.6	100%	30.6	8-Jan-2009
7297/2512	PRC	Cecic Hke Wind Power Co. Ltd. (Zhangbie Wind Power Project)*	The Project involves constructing and operating a 100.5 MW (67 units of 1.5 MW each) wind power generation facility.	34.3	100%	34.3	10-Mar-2009
2513	VIE	Quality & Safety Enhancement of Agricultural Products and Biogas Development Project	One of the project's components deals with biogas development. It is estimated that the proposed biogas operation will reduce carbon dioxide emissions by an equivalent of about 40,000–60,000 tons per annum, while providing power to small farmers and improving their health and safety by sequestering livestock wastes.	95.0	20%	19.1	18-Mar-2009
2517	VIE	Renewable Energy Development Network Expansion and Rehabilitation for Remote Communes Sector	The Project will finance the development of 5–10 mini-hydropower plants, of less than 7.5 MW capacity each in the Northern and Central provinces of PRC. The Project will also finance the connection of these mini-hydropower plants to the national grid and the expansion of the low voltage network to supply nearby un-electrified villages. The project will avoid 125,000 tons of GHG emissions	151.0	52%	78.59	30-Mar-2009
2518/9	SRI	Clean Energy and Access Improvement	The Project has three investment components: energy efficiency improvement, renewable energy development, and energy access for the poor. The gains in efficiency are expected to save energy equivalent to a thermal power plant of 3.5 MW. The renewable energy development component will help bring 200 MW of clean hydropower energy into the grid reducing CO2 emissions by about 0.5 million tons per year.	160.0	18%	28.656	14-Apr-2009
DEMAND SIDE ENERGY EFFICIENCY							
2506	IND	Rajasthan Urban Sector Development Investment Program - Project 2	This second tranche will continue to support physical investments in water supply, sewerage, urban drainage and urban transport as well as capacity development for improved urban local governance. A component of this tranche will work to reduce losses in the distribution system, which will save on water and energy.	150.0	2%	3.45	19-Jan-2009
2507	PHI	Philippine Energy Efficiency	This large scale energy efficiency project has multiple clean energy components, including the retrofit about 40 government-owned office buildings with efficient lighting, the procurement of 13 million compact fluorescent lamps for distribution to customers and the introduction of energy efficient lamps for public lighting. It is expected that the project will save about 534 Gwh per year and reduce CO2 emissions by 300,000 tons/year.	31.1	100%	31.1	29-Jan-2009
2528	IND	Northeastern Region Capital Cities Development Investment Program-Tranche 1	The project consists of urban infrastructure and service improvement. This includes a water supply improvement component that will rehabilitate and expand water services, reducing losses in the distribution system from 40%-60% to 30%. This reduction will conserve water and power.	30.0	7%	2.062	1-Jul-2009
2552/3	PAK	Energy Efficiency Investment Program-Tranche 1	Energy production costs in Pakistan tripled from FY2003 to FY2007, yet tariffs were not adjusted to cover this increase. As tariffs have begun to be adjusted, awareness in energy efficiency has increased, as has the incentive to acquire new, more efficient technology. This investment program deals with the mainstreaming of energy efficiency into national planning and public investments, and begins with the massive replacement of incandescent bulb light points with energy efficient compact fluorescent lamps.	60.0	100%	60	22-Sep-2009
SUPPLY SIDE ENERGY EFFICIENCY							
2510	IND	National Power Grid Development Investment Program-Project 2	This project aims to deliver bulk power generated from hydropower stations in the northeastern region to the power-deficit areas of the northern and western regions through the construction of high voltage DC transmission systems. This will bring renewable energy to the areas of Biswanath Chariyali and Agra. It is estimated that the electricity from the hydropower plants will offset more than 551 million tons of CO2 equivalent.	200	60%	120	3-Mar-09
Sub Total				942.0		407.9	
LARGE HYDROPOWER							
NONE							
EFFICIENCY IN FOSSIL FUELS							
NONE							
Public Sector Total				942.0		407.9	
*Nonsovereign Public Sector Loan							