

## LIST OF APPROVED ADB-FINANCED LOANS AND TAs IN PRC'S ENERGY SECTOR

Table A1.1: PRC: Energy Sector Portfolio (1996–2008)

Loan No.	Project Title	Fund	Amount (US\$ million)	Approval Date
<b>A. Energy Efficiency Improvement</b>				
1436	Second Industrial Energy Efficiency and Environment Improvement	OCR	178.0	09-May-96
1543	Xi'an-Xianyang-Tongchuan Environment Improvement	OCR	156.0	24-Sep-97
1715	Shanxi Environment Improvement	OCR	102.0	07-Dec-99
1922	Hebei Zhanghewan Pumped Storage	OCR	144.0	18-Oct-02
2112	Liaoning Environmental Improvement	OCR	70.0	25-Nov-04
2146	Coal Mine Methane Development	OCR	117.4	20-Dec-04
2260	Inner Mongolia Autonomous Region Environment Improvement	OCR	120.0	29-Sep-06
7271	Energy Efficiency Multi-Project Financing Program	NS	0.0 <sup>a</sup>	14-Dec-07
7279/2422	Dalkia Asia Pte. Ltd. (Dalkia Asia) and local partners	NS	200.0	02-Jun-08
0109	Guangdong Energy Efficiency and Environment Improvement Investment Program	Grant	0.8	04-Jun-08
2426	Guangdong Energy Efficiency and Environment Improvement Investment Program - Tranche 1	OCR	35.0	09-Jun-08
	<b>Subtotal</b>		<b>1,123.2</b>	
<b>B. Gas Infrastructure Development</b>				
7244/2255	China Gas Holdings Limited/Central Asia Natural Gas Shenzhen Company Limited/Zhongran Investment Limited for the Municipal Natural Gas Infrastructure Development	NS	75.0	30-Aug-06
	<b>Subtotal</b>		<b>75.0</b>	
<b>C. Large Hydropower Generation</b>				
2032	Gansu Clean Energy Development	OCR	35.0	05-Dec-03
2296	Gansu Heihe Rural Hydropower Development Investment Program - Erlongshan Hydropower Project	OCR	22.0	18-Dec-06
2408	Gansu Heihe Rural Hydropower Development Investment Program - Dagushan Hydropower Project (Subproject 2)	OCR	28.0	29-Jan-08
	<b>Subtotal</b>		<b>85.0</b>	
<b>D. Power Transmission and Distribution</b>				
1582	Northeast Power Transmission	OCR	150.0	25-Nov-97
1644	Yunnan Dachaoshan Power Transmission	OCR	100.0	27-Nov-98
1901	Shen-Da Power Transmission and Grid Rehabilitation	OCR	100.0	20-Dec-01
	<b>Subtotal</b>		<b>350.0</b>	
<b>E. Renewable Energy (Excluding Large Hydropower)</b>				
3605(L)	Wind Power Development	Grant	6.0	20-Dec-00
1818	Wind Power Development	OCR	58.0	20-Dec-00
7285/2435	Datang Sino-Japan (Chifeng) Renewable Power Corporation	NS	24.1	04-Sep-08
	<b>Subtotal</b>		<b>88.1</b>	
<b>F. Thermal Power Generation</b>				
1463	Anhui Fuyang Engineering Technical Assistance	OCR	2.0	24-Sep-96
7144/1610	Fujian Pacific Electric Co. Ltd.	NS	50.0	26-Feb-98
	<b>Subtotal</b>		<b>52.0</b>	
	<b>Total</b>		<b>1,773.3</b>	

<sup>a</sup> With guarantees amounting to \$107 million.

**Table A1.2: PRC: Advisory Technical Assistance to the Energy Sector (1996–2008)**

<b>TA No.</b>	<b>TA Title</b>	<b>Amount (US\$)</b>	<b>Approval Date</b>
<b>A. Facilitating Access to Carbon Markets</b>			
3325	Shanxi Air Quality Improvement	700,000	07-Dec-99
3840	Opportunities for the Clean Development Mechanism in the Energy Sector	775,000	11-Mar-02
4812	Establishment of the Clean Development Mechanism Fund	600,000	30-Jun-06
7191	Design of the National Sulfur Dioxide Emission Trading System	500,000	10-Dec-08
7212	China Clean Development Mechanism Fund Capacity Development	800,000	11-Dec-08
	<b>Subtotal</b>	<b>3,375,000</b>	
<b>B. Promoting Supply Side and Demand Side Energy Efficiency Improvement</b>			
2789	Strengthening Power Sector Demand Side Management in Guangdong and Zhejiang Provinces	575,000	07-May-97
4402	Heating Supply for Urban Poor in Liaoning Province	500,000	05-Nov-04
4706	Energy Conservation and Resource Management	600,000	02-Dec-05
4948	Promoting Resource Conservation and Energy Efficiency	400,000	02-Jul-07
7202	Utilization of Foreign Capital to Promote Energy Conservation and Energy-Efficient Power Generation Scheduling	1,500,000	11-Dec-08
	<b>Subtotal</b>	<b>3,575,000</b>	
<b>C. Addressing Environmental Issues of Energy Sector Development</b>			
2792	Study on Clean Coal Integrated Gasification Combined Cycle Technology	500,000	19-May-97
2917	Power Sector Restructuring	804,700	24-Nov-97
4389	Waste Coal Utilization Study	400,000	13-Sep-04
4566	Poverty Reduction in Coal Mine Areas in Shanxi Province	500,000	15-Feb-05
4849	Coal Mine Safety Study	600,000	17-Oct-06
	<b>Subtotal</b>	<b>2,804,700</b>	
<b>D. Energy Sector Planning at National and Sub-regional Level</b>			
3547	Interregional Power Transmission Network Development Strategy	800,000	16-Nov-00
4416	Capacity Strengthening of Power Planning Process	500,000	20-Oct-04
4511	Energy Development Strategy for the Inner Mongolia Autonomous Region	500,000	20-Dec-04
	<b>Subtotal</b>	<b>1,800,000</b>	
<b>E. Energy Sector Reform</b>			
2730	BOT Changsha Power	597,000	23-Dec-96
2919	Institutional Strengthening of the Northeast Electric Power Group Corporation	336,000	25-Nov-97
3100	Institutional Strengthening of the China Huaneng Group	750,000	25-Nov-98
3105	Institutional Reform of Yunnan Electric Power Group Corporation	785,000	27-Nov-98
3369	Rural Electricity Supply Study	700,000	26-Dec-99
3931	Establishing the National Electricity Regulatory Commission	500,000	24-Sep-02
7146	Capacity Strengthening in Planning and Implementation of Integrated Gasification Combined Cycle Plant	200,000	08-Oct-08
	<b>Subtotal</b>	<b>3,868,000</b>	
<b>F. Promoting Enabling Environment for Renewable Energy Development</b>			
4309	Renewable Energy for Poverty Reduction	600,000	19-Dec-03
4649	Alternative Energy Supply for Rural Poor in Remote Areas	500,000	21-Sep-05

<b>TA No.</b>	<b>TA Title</b>	<b>Amount (US\$)</b>	<b>Approval Date</b>
4935	Gansu Rural Clean Energy Development	800,000	01-Jun-07
4975	Utilization of Renewable Shallow-Ground Geo-Energy	150,000	02-Oct-07
7006	Development of Biomass Power Generation in Rural Areas	600,000	10-Dec-07
	<b>Subtotal</b>	<b>2,650,000</b>	
<b>G. Energy Sector Tariff and Price Reforms</b>			
3673	Pro-Poor Urban Heating Tariff Reforms	850,000	19-Jun-01
4117	Power Pricing Strategy: Tariff Setting and Regulation	500,000	21-May-03
	<b>Subtotal</b>	<b>1,350,000</b>	
	<b>Total</b>	<b>19,422,700</b>	