

**The World Bank**INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT  
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November 20,2002

Mr. Roberto Lavagna  
Minister of Economy  
Ministry of Economy  
Hipólito Irigoyen 250  
1310 Buenos Aires, Argentina

Re: **ARGENTINA** – Renewable Energy in the Rural Market Project  
(Loan No. 4454-AR and GEF Grant No. TF 020548)

**Second Amendment to Loan Agreement and GEF Trust Fund Grant Agreement**

Dear Minister Lavagna:

Please refer to: (a) the Loan Agreement dated October 26, 1999 entered into between the Argentine Republic (the Borrower) and the International Bank for Reconstruction and Development (the Bank); (b) the GEF Trust Fund Grant Agreement dated October 26, 1999 entered into between the Argentine Republic (the Recipient) and the Bank, acting as an Implementing Agency of the Global Environment Facility, both as amended.; and (c) the Implementation Letter dated October 26, 1999 between the Argentine Republic and the Bank.

In response to Argentine government's request of October 30, 2002 to, *inter alia*: (a) increase the value of Bank financing for Solar Home Systems; and (b) increase the percentage of Bank financing for Parts C.11-13 of the Project, the Bank hereby agrees to amend the Loan Agreement, the GEF Trust Fund Grant Agreement and the Implementation Letter, as follows:

I. **Loan Agreement:**

1. The definition of the terms "Solar Home System and the acronym 'SHS' " and "Wind Home Unit" set forth in paragraphs "(o)" and "(q)" of Section 1.02, respectively, are hereby amended to read in their entirety as follows:

"(o) 'Solar Home System' and the acronym 'SHS' mean a system of one or more solar photovoltaic panels, with battery storage and battery charge and discharge controllers, not connected to a power distribution grid, suitable for powering energy-efficient appliances for households, productive uses (such as for micro-irrigation, refrigeration of goods and craft and textile activities) or public services (such as for public schools, medical centers and police stations);

(q) 'Wind Home Unit' means a unit consisting of a small turbine, with battery storage and battery charge and discharge controllers, not connected to a power distribution grid, suitable for powering energy-efficient appliances for households, productive uses (such as for

micro-irrigation, refrigeration of goods and craft and textile activities) or public services (such as for public schools, medical centers and police stations);”.

2. Paragraphs (c) and (e) of Section 3.01 is hereby amended to read in their entirety as follows:

“(c) The Borrower shall, from among those of its provinces deemed eligible because they have established either a regulatory framework and have a power sector regulatory entity or a mechanism which serves the same purposes of having a regulatory framework and a power sector regulatory entity (all satisfactory to the Bank and compatible with the sound provision of electricity to the dispersed rural market and the private sector’s participation in such provision), enter into an agreement with each of at least eight of such eligible provinces. Each said agreement shall: (i) govern each of such province’s participation in carrying out Parts A.1-A.3 of the Project or Parts A.4-A.6 of the Project; and (ii) be satisfactory to the Bank and include the terms and conditions set forth in Schedule 6 to this Agreement.

(e) Without limitation upon the provisions of paragraph (a) of this Section and except as the Borrower and the Bank shall otherwise agree, the Borrower shall complete the carrying out of Parts C.2-13 of the Project in accordance with the timetable set forth in the Implementation Letter. For purposes of Part C.14 of the Project, the Borrower shall prepare by no later than each October 31 throughout the course of Project implementation, a plan satisfactory to the Bank for the carrying out of such Part C.14 of the Project during the calendar year immediately following each such preparation. The Borrower shall prepare the first such plan no later than October 31, 1999, and shall carry out Part C.14 of the Project in accordance with the terms of each such plan.

3. The table in paragraph 1 of Schedule 1 is hereby amended to read in its entirety as set forth in Attachment I to this Amendment Letter.

4. Schedule 2 is hereby amended to read in its entirety as set forth in Attachment II to this Amendment Letter.

5. The amount of “\$500,000” referred to in Part D.2 (a) of Section I of Schedule 4 is hereby replaced with the amount of “\$250,000”.

6. Part C of Section II of Schedule 4 is hereby amended to read in its entirety as follows:

“Part C: Other Procedures for the Selection of Consultants

1. Quality-based Selection:

Services under Parts C.5 and C.10 of the Project shall be procured under contracts awarded in accordance with the provisions of paragraphs 3.1 through 3.4 of the Consultant Guidelines.

2. Selection Based on Consultants’ Qualifications

Services under Parts C.1, C.3, C.4, C.7, C.13, C.14 and D of the Project estimated to cost less than \$100,000 equivalent per contract may be procured under contracts awarded in accordance with the provisions of paragraphs 3.1 and 3.7 of the Consultant Guidelines.

3. Individual Consultants

Services under Parts C.1, C.3, C.7, C.13, C.14 and D of the Project may be procured under contracts awarded to individual consultants in accordance with the provisions of paragraphs 5.1 through 5.3 of the Consultant Guidelines.”.

7. Part D.2 of Section II of Schedule 4 is hereby amended to read in its entirety as follows:

“2. Prior Review

(a) With respect to each contract for the employment of consulting firms estimated to cost the equivalent of \$100,000 or more, the procedures set forth in paragraphs 1, 2 and (other than the third subparagraph of paragraph 2 (a)) and 5 of Appendix 1 to the Consultant Guidelines shall apply.

(b) With respect to each contract for the employment of individual consultants estimated to cost the equivalent of \$50,000 or more, the qualifications, experience, terms of reference and terms of employment of the consultants shall be furnished to the Bank for its prior review and approval. The contract shall be awarded only after the said approval shall have been given.”.

8. Paragraphs (e) (1) and (i) of Schedule 6 are hereby amended to read in their entirety as follows:

“(e)(1) \$4.90 per Watt-peak capacity of any size of SHS;

(i) the Participating Province shall maintain throughout the course of Project implementation either the regulatory framework and entity or the mechanism referred to in Section 3.01 (c) of this Agreement;”

II. GEF Trust Fund Grant Agreement:

1. The definition of the terms “Solar Home System and the acronym ‘SHS’ ” and “Wind Home Unit” set forth in paragraphs “(o)” and “(q)” of Section 1.02, respectively, are hereby amended to read in their entirety as follows:

“(o) ‘Solar Home System’ and the acronym ‘SHS’ mean a system of one or more solar photovoltaic panels, with battery storage and battery charge and discharge controllers, not connected to a power distribution grid, suitable for powering: (i) energy-efficient appliances for households, productive uses (such as for micro-irrigation, refrigeration of goods and craft and textile activities) or public services (such as for public schools, medical centers and police stations);

(q) ‘Wind Home Unit’ means a unit consisting of a small turbine, with battery storage and battery charge and discharge controllers, not connected to a power distribution grid, suitable for powering energy-efficient appliances for households, productive uses (such as for micro-irrigation, refrigeration of goods and craft and textile activities) or public services (such as for public schools, medical centers and police stations);”.

2. Paragraphs (c) and (e) of Section 3.01 are hereby amended to read in their entirety as follows:

“(c) The Borrower shall, from among those of its provinces deemed eligible because they have established either a regulatory framework and have a power sector regulatory entity or a mechanism which serves the same purposes of having a regulatory framework and a power sector regulatory entity (all satisfactory to the Bank and compatible with the sound provision of electricity to the dispersed rural market and the private sector’s participation in such provision), enter into an agreement with each of at least eight of such eligible provinces. Each said agreement shall: (i) govern each of such province’s participation in carrying out Parts A.1-A.3 of the Project or Parts A.4-A.6 of the Project; and (ii) be satisfactory to the Bank and include the terms and conditions set forth in Schedule 5 to this Agreement.

(e) Without limitation upon the provisions of paragraph (a) of this Section and except as the Recipient and the Bank shall otherwise agree, the Borrower shall complete the carrying out of Parts C.2-13 of the Project in accordance with the timetable set forth in the Implementation Letter. For purposes of Part C.14 of the Project, the Recipient shall prepare by no later than each October 31 throughout the course of Project implementation, a plan satisfactory to the Bank for the carrying out of such Part C.14 of the Project during the calendar year immediately following each such preparation. The Recipient shall prepare the first such plan no later than October 31, 1999, and shall carry out Part C.14 of the Project in accordance with the terms of each such plan.

3. The table in paragraph 1 of Schedule 1 is hereby amended to read in its entirety as set forth in Attachment III to this Amendment Letter.

4. Schedule 2 is hereby amended to read in its entirety as set forth in Attachment IV to this Amendment Letter.

5. The amount of “\$500,000” referred to in Part D.2 (a) of Section I of Schedule 3 is hereby replaced with the amount of “\$250,000”.

6. Part C of Section II of Schedule 3 is hereby amended to read in its entirety as follows:

“Part C: Other Procedures for the Selection of Consultants

1. Quality-based Selection:

Services under Parts C.5 and C.10 of the Project shall be procured under contracts awarded in accordance with the provisions of paragraphs 3.1 through 3.4 of the Consultant Guidelines.

2. Selection Based on Consultants’ Qualifications

Services under Parts C.1, C.3, C.4, C.7, C.13, C.14 and D of the Project estimated to cost less than \$100,000 equivalent per contract may be procured under contracts awarded in accordance with the provisions of paragraphs 3.1 and 3.7 of the Consultant Guidelines.

3. Individual Consultants

Services under Parts C.1, C.3, C.7, C.13, C.14 and D of the Project may be procured under contracts awarded to individual consultants in accordance with the provisions of paragraphs 5.1 through 5.3 of the Consultant Guidelines.”.

7. Part D.2 of Section II of Schedule 3 is hereby amended to read in its entirety as follows:

“2. Prior Review

(a) With respect to each contract for the employment of consulting firms estimated to cost the equivalent of \$100,000 or more, the procedures set forth in paragraphs 1, 2 and (other than the third subparagraph of paragraph 2 (a)) and 5 of Appendix 1 to the Consultant Guidelines shall apply.

(b) With respect to each contract for the employment of individual consultants estimated to cost the equivalent of \$50,000 or more, the qualifications, experience, terms of reference and terms of employment of the consultants shall be furnished to the Bank for its prior review and approval. The contract shall be awarded only after the said approval shall have been given.”.

8. Paragraphs (e) (1) and (i) of Schedule 5 are hereby amended to read in their entirety as follows:

“(e) (1) \$4.90 per Watt-peak capacity of any size of SHS;

(i) the Participating Province shall maintain throughout the course of Project implementation either the regulatory framework and entity or the mechanism referred to in Section 3.01 (c) of this Agreement;”.

III. Implementation Letter:

The Project implementation plan and key performance indicators set forth in an annex to the Implementation Letter are hereby amended to read in their entirety as set forth in Attachment V to this Amendment Letter.

**IV. Effectiveness:**

Please confirm your agreement to the foregoing amendments by signing and dating this letter in the spaces provided below. This Amendment Letter will be executed in two counterparts, each of which shall be an original. Upon your confirmation, please return one fully executed original to us. The provisions of this Amendment Letter will become effective as of the date first above written upon receipt by the Bank of one fully executed original of this Amendment Letter.

**INTERNATIONAL BANK FOR RECONSTRUCTION  
AND DEVELOPMENT**

/s/Axel van Trotsenburg  
Director  
Country Management Unit  
Argentina, Chile, Paraguay and Uruguay  
Latin America and the Caribbean Region

**AGREED AND CONFIRMED:****ARGENTINE REPUBLIC**

By: /s/Roberto Lavagna  
Authorized Representative

Name: Roberto Lavagna

Date: April 15, 2003

**Attachment I**  
**Loan No. 4454 AR**

<u>“Category</u>	<u>Amount of the Loan Allocated (Expressed in Dollars)</u>	<u>% of Expenditures to be financed</u>
(1) Amounts, under Parts A.1 –2 and A.4-.5 of the Project, owed or paid by a Participating Province to:		100% of said amounts
(a) an Existing Concessionaire as provided in paragraph (e) (1) of Schedule 6 to this Agreement	14,500,000	
(b) a New Concessionaire as provided in paragraph (e) (1) of Schedule 6 to this Agreement	7,000,000	
(2) Goods and installation thereof under Parts A.3 and A.6 of the Project	1,200,000	50%
(3) Goods under Part D.1 of the Project	200,000	85%
(4) Consultants’ services:		
(a) under Part C.1 of the Project	50,000	25%
(b) under Parts C.2 – 10 of the Project	500,000	34%
(c) under Parts C.11-13 of the Project	1,350,000	95%
(d) under Parts D.1 and D.2 of the Project	1,300,000	66%
(5) Training under Part C.14 the Project	200,000	60%
(6) Fee	300,000	Amount due under Section 2.04 of this Agreement
(7) Unallocated	3,400,000	
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<b>TOTAL</b>	<b>30,000,000”</b>	
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**“SCHEDULE 2****Description of the Project**

The objectives of the Project are to: (a) provide the rural areas of the Participating Provinces with reliable electric supply in a sustainable manner through the use of renewable energy; (b) advance the reform of the Borrower’s energy sector in particular critical areas; (c) support the Borrower’s strategy to expand the participation of the private sector in the provision of electricity in the rural areas of the Participating Provinces, as well as strengthen the capacity of Participating Provinces to regulate such participation; and (d) support the creation of sustainable business operations for rural energy in Argentina.

The Project consists of the following parts, subject to such modifications thereof as the Borrower and the Bank may agree upon from time to time to achieve such objectives:

**Part A: Electricity Generating Equipment for Rural Markets**

1. Financing the purchase for installation by Existing Concessionaires of about 24,500 Solar Home Systems in individual households in rural areas of Participating Provinces.
2. Financing the purchase for installation by Existing Concessionaires of about 1000 Solar Home Systems in public provincial institutions (such as public schools, medical centers and police stations) in rural areas of Participating Provinces.
3. Financing the purchase for installation by Existing Concessionaires of: (a) decentralized electricity supply systems (which may consist of mini-hydro (run of the stream) plants, wind turbines or hybrid plants operated by diesel/wind or diesel/solar or solar/wind means and shall constitute the least-cost solution for providing electricity under the circumstances) to provide collective grid electricity service to about 2,800 households living in small communities in Participating Provinces; or (b) other non-greenhouse gas emitting and non-solar electricity supply systems (which shall constitute the least-cost solution for providing electricity under the circumstances) to provide non-grid electricity service to individual users in rural areas of Participating Provinces.
4. Financing the purchase for installation by New Concessionaires of about 10,000 Solar Home Systems in individual households in rural areas of Participating Provinces.
5. Financing the purchase for installation by New Concessionaires of about 750 Solar Home Systems in public provincial institutions (such as public schools, medical centers and police stations) in rural areas of Participating Provinces.
6. Financing the purchase for installation by New Concessionaires of: (a) decentralized electricity supply systems (which may consist of mini-hydro (run of the stream) plants, wind turbines, diesel plants or hybrid plants operated by diesel/wind or diesel/solar or solar/wind means and shall constitute the least-cost solution for providing electricity under the circumstances) to provide collective grid electricity service to about 700 households living in small communities in Participating Provinces; or (b) other non-greenhouse gas emitting and non-



solar electricity supply systems (which shall constitute the least-cost solution for providing electricity under the circumstances) to provide non-grid electricity service to individual users in rural areas of Participating Provinces.

Part B: Wind Home Systems

Carrying out a pilot demonstration program which consists of the turn-key installation of Wind Home Units (equivalent to between 100 and 300 Watt-peak capacity) in fifteen rural communities (located in at least three different provinces selected by the Borrower) of no more than 100 households each.

Part C: Capacity Building

1. Carrying out a market structure study in each Participating Province for purposes of: (a) determining the scope of the rural electricity market; (b) determining the willingness of the rural population to pay for electric services; (c) establishing electric tariff levels and structure for said market; (d) evaluating the economic and financial viability of servicing said market; and (e) assessing the risks in servicing said market.
2. Creating performance standards and certification procedures for purposes of ensuring an efficient, reliable and rational development of solar photovoltaic home systems in Argentina.
3. Carrying out a promotion and public education campaign in the Borrower's territory with respect to the contents of the Project.
4. Carrying out feasibility studies concerning the installation of centralized renewable energy systems for rural areas of Participating Provinces.
5. Carrying out a study to assess the current availability of direct current appliances and their compatibility with renewable energy systems.
6. Creating a database to improve solar resource information available in Argentina and another database to improve wind resource information available in Argentina, as well as providing training and acquiring and utilizing equipment required therefore.
7. Designing and carrying out workshops for rural market concessionaires to better serve their clientele.
8. Preparing a catalog of Argentine hydroelectric power projects having potential for private sector participation.
9. Carrying out a review of the Borrower's existing policy on the efficient use of energy.
10. Establishing a national policy and strategy for the use of renewable energy in urban and rural areas in Argentina.
11. Carrying out a study on means to increase competition in power transmission and distribution in Argentina.
12. Carrying out a study on Argentine energy export options.

13. Carrying out of a diagnosis of the institutional capacity of the SE to discharge its functions and responsibility, and based on the recommendations of said diagnosis, if appropriate, prepare and implement a program of actions to strengthen the institutional capacity of the SE.

14. Carrying out a training program to strengthen the capacity of the staff of the provincial regulatory agencies of the Participating Provinces with respect to technical, economic, financial and institutional aspects related to Solar Home Systems and other types of renewable energy systems.

Part D: Project Administration

1. Providing technical assistance, office equipment and supplies to: (a) the PCU to assist SE in the monitoring, administration and supervision of the Project; and (b) the Participating Provinces and their respective PIUs to carry out Parts A.1-3 of the Project or Parts A.4-6 of the Project, as the case may be.

2. Hiring a Project coordinator for each PIU.

\* \* \*

The Project is expected to be completed by March 31, 2005.”.

## Attachment III

## GEF Grant TF020548

<u>“Category</u>	<u>Amount of the GEF Trust Fund Grant Allocated (Expressed in SDR)</u>	<u>% of Expenditures to be financed</u>
(1) Amounts, under Parts A.1 and A.4 of the Project, owed or paid by a Participating Province to:		100% of said amounts paid
(a) an Existing Concessionaire as provided in paragraphs (e) (2) through (13) of Schedule 5 to this GEF Grant Agreement	1,500,000	
(b) a New Concessionaire as provided in paragraphs (e) (2) through (13) of Schedule 5 to this GEF Grant Agreement	700,000	
(2) Turn-key installation of Wind Home Units under Part B of the Project	2,000,000	70%
(3) Consultants’ services:		
(a) under Part C.1 of the Project	100,000	75%
(b) under Parts C.2 -10 of the Project	1,100,000	66%
(c) under Parts D.1 and D.2 of the Project	500,000	34%
(4) Training under Part C.14 of the Project	100,000	40%
(5) Unallocated	1,200,000	
<b>TOTAL</b>	<b>7,200,000”</b>	

**“SCHEDULE 2****Description of the Project**

The objectives of the Project are to: (a) provide the rural areas of the Participating Provinces with reliable electric supply in a sustainable manner through the use of renewable energy; (b) advance the reform of the Borrower’s energy sector in particular critical areas; (c) support the Recipient’s strategy to expand the participation of the private sector in the provision of electricity in the rural areas of the Participating Provinces, as well as strengthen the capacity of Participating Provinces to regulate such participation; and (d) support the creation of sustainable business operations for rural energy in Argentina.

The Project consists of the following parts, subject to such modifications thereof as the Recipient and the Bank may agree upon from time to time to achieve such objectives:

**Part A: Electricity Generating Equipment for Rural Markets**

1. Financing the purchase for installation by Existing Concessionaires of about 24,500 Solar Home Systems in individual households in rural areas of Participating Provinces.
2. Financing the purchase for installation by Existing Concessionaires of about 1000 Solar Home Systems in public provincial institutions (such as public schools, medical centers and police stations) in rural areas of Participating Provinces.
3. Financing the purchase for installation by Existing Concessionaires of: (a) decentralized electricity supply systems (which may consist of mini-hydro (run of the stream) plants, wind turbines or hybrid plants operated by diesel/wind or diesel/solar or solar/wind means and shall constitute the least-cost solution for providing electricity under the circumstances) to provide collective grid electricity service to about 2,800 households living in small communities in Participating Provinces; or (b) other non-greenhouse gas emitting and non-solar electricity supply systems (which shall constitute the least-cost solution for providing electricity under the circumstances) to provide non-grid electricity service to individual users in rural areas of Participating Provinces.
4. Financing the purchase for installation by New Concessionaires of about 10,000 Solar Home Systems in individual households in rural areas of Participating Provinces.
5. Financing the purchase for installation by New Concessionaires of about 750 Solar Home Systems in public provincial institutions (such as public schools, medical centers and police stations) in rural areas of Participating Provinces.
6. Financing the purchase for installation by New Concessionaires of: (a) decentralized electricity supply systems (which may consist of mini-hydro (run of the stream) plants, wind turbines, diesel plants or hybrid plants operated by diesel/wind or diesel/solar or solar/wind means and shall constitute the least-cost solution for providing electricity under the circumstances) to provide collective grid electricity service to about 700 households living in small communities in Participating Provinces; or (b) other non-greenhouse gas emitting and non-

solar electricity supply systems (which shall constitute the least-cost solution for providing electricity under the circumstances) to provide non-grid electricity service to individual users in rural areas of Participating Provinces.

Part B: Wind Home Systems

Carrying out a pilot demonstration program which consists of the turn-key installation of Wind Home Units (equivalent to between 100 and 300 Watt-peak capacity) in fifteen rural communities (located in at least three different provinces selected by the Recipient) of no more than 100 households each.

Part C: Capacity Building

1. Carrying out a market structure study in each Participating Province for purposes of: (a) determining the scope of the rural electricity market; (b) determining the willingness of the rural population to pay for electric services; (c) establishing electric tariff levels and structure for said market; (d) evaluating the economic and financial viability of servicing said market; and (e) assessing the risks in servicing said market.
2. Creating performance standards and certification procedures for purposes of ensuring an efficient, reliable and rational development of solar photovoltaic home systems in Argentina.
3. Carrying out a promotion and public education campaign in the Recipient's territory with respect to the contents of the Project.
4. Carrying out feasibility studies concerning the installation of centralized renewable energy systems for rural areas of Participating Provinces.
5. Carrying out a study to assess the current availability of direct current appliances and their compatibility with renewable energy systems.
6. Creating a database to improve solar resource information available in Argentina and another database to improve wind resource information available in Argentina, as well as providing training and acquiring and utilizing equipment required therefore.
7. Designing and carrying out workshops for rural market concessionaires to better serve their clientele.
8. Preparing a catalog of Argentine hydroelectric power projects having potential for private sector participation.
9. Carrying out a review of the Borrower's existing policy on the efficient use of energy.
10. Establishing a national policy and strategy for the use of renewable energy in urban and rural areas in Argentina.
11. Carrying out a study on means to increase competition in power transmission and distribution in Argentina.
12. Carrying out a study on Argentine energy export options.

13. Carrying out of a diagnosis of the institutional capacity of the SE to discharge its functions and responsibility, and based on the recommendations of said diagnosis, if appropriate, prepare and implement a program of actions to strengthen the institutional capacity of the SE.

14. Carrying out a training program to strengthen the capacity of the staff of the provincial regulatory agencies of the Participating Provinces with respect to technical, economic, financial and institutional aspects related to Solar Home Systems and other types of renewable energy systems.

Part D: Project Administration

1. Providing technical assistance, office equipment and supplies to: (a) the PCU to assist SE in the monitoring, administration and supervision of the Project; and (b) the Participating Provinces and their respective PIUs to carry out Parts A.1-3 of the Project or Parts A.4-6 of the Project, as the case may be.

2. Hiring a Project coordinator for each PIU.

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The Project is expected to be completed by March 31, 2005.”.

**Argentina – Renewable Energy in the Rural Market Project (PERMER)  
Key Performance Indicators**

Objective	Indicator	2000	2001	2002	2003	2004	2005	Information (1)
1. Increase electricity service access and quality of uses for rural population	1.1 Installed SHS in households		750	750	3,000	18,000	34,000	A, B, C, D and E
	1.2 Installed SHS for public services		0	0	300	1,000	1,750	
	1.3 Installed SHS for productive uses		0	0	30	280	500	
	1.4 Average lighting hours/day		4	4				
	1.5 %SHS used for communications		90	90				
	1.6 % satisfied customers							
2. Increase private participation off-grid electricity market	2.1 Number of PERMER private concessionaires		1	1	6	8	8	A, B, C and D
	2.2 Investment by PERMER private concessionaires (\$)							
3. Improve subsidy allocation for off-grid rural electrification	3.1 Average tariff subsidy for household (%)		80	80				A, B, C and D
	3.2 Average investment subsidy for SHS (%)		50	50				
	3.3 Average retail tariff for households (Pesos/month)		3					
4. Increase renewable energy use and reduce CO2 emissions	Avoided CO2 emissions (x1000 tons)		42	42	200	1400	2800	A, B, C and D
	Total installed capacity of SHS (KW)		75	75	400	2000	4000	
	Total installed capacity of WHS (KW)		0	0	0	150	300	
	Total installed capacity of renewable mini-grids (KW)		0	0	0	5,000	10,000	
5. Strengthening of framework for off-grid electrification	Relative size of regulator (customers/staff)		6250 (2)					A, B and D
	% of installed systems certified		100					
	% of answered complaints		100					
	% of compliance with service quality indicators		100					
6. Institutional strengthening of power sector	Actual implementation of strategies and policies resulting from TA to SE							A and B

(1) A: Quarterly Project reports; B: Annual independent evaluation; C: Concessionaires' reports; D: Provincial regulators' reports; E: Consumer surveys.

(2) Regulator for both grid and off-grid market

Note: Missing data an targets to be defined through independent evaluation in early 2003

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