

## Data Sheet

<b>USAID Mission:</b>	Brazil
<b>Program Title:</b>	Energy Program
<b>Pillar:</b>	Economic Growth, Agriculture and Trade
<b>Strategic Objective:</b>	512-009
<b>Proposed FY 2004 Obligation:</b>	\$1,276,000 DA
<b>Prior Year Unobligated:</b>	\$0
<b>Proposed FY 2005 Obligation:</b>	\$1,000,000 DA
<b>Year of Initial Obligation:</b>	FY 2003
<b>Year of Final Obligation:</b>	FY 2008

**Summary:** The primary goal of USAID's energy program is to reduce green house gases by developing and encouraging clean energy production through renewable resources, such as biomass fuels, solar and wind power, and small-scale hydropower plants. A secondary goal is to reduce poverty and improve the quality of life for those Brazilians that currently lack access to reliable energy. The USAID energy strategy in Brazil includes technical assistance and capacity building to: 1) develop and implement energy policies that support the establishment of a viable renewable energy market; 2) raise awareness of the productive use of energy as a means to reduce poverty and promote sustainable socio-economic development; 3) implement a comprehensive training program for NGOs, local cooperatives, state and federal government, and the private sector to foster clean and efficient energy policies, technology options, concepts, and applications; and 4) increase renewable energy technology cooperation and trade between U.S. and Brazilian firms. In addition, USAID will provide technical assistance to the Government of Brazil for the preparation of a comprehensive Global Village Energy Partnership Action Plan to identify opportunities for engaging a range of partners across different sectors such as health, the environment, education, agriculture, governance, and land reform.

### Inputs, Outputs, Activities:

#### FY 2004 Program:

Promote policies that increase the use of renewable energy (\$400,000 DA): USAID will provide technical assistance to ensure that renewable energy technologies are included in the Brazilian government's "Light for All" program, and encouraged as a means to promote sustainable development. Technical assistance will also improve and disseminate related government policies and support the Brazilian Renewable Energy NGO Network (RENOVE). By strengthening RENOVE, USAID expects to ensure that renewable energy policies and initiatives endure beyond USAID's interventions in the area. Implementing agency: Winrock International (prime) and local NGO sub-recipients.

Increase technological cooperation between U.S. and Brazilian firms (\$276,000 DA). USAID will promote cooperation between U.S. and Brazilian firms in the field of renewable energy and energy efficiency and expand opportunities for U.S. businesses. Specific activities include: Power Future 2004, a regional workshop and trade fair on renewable energy; Renewable Amazon, a workshop to showcase small hydropower technologies that can be effectively applied in the Amazon region; and at least two trade missions bringing U.S. renewable energy equipment suppliers to Brazil. USAID will work closely with the U.S. Department of Energy and the U.S. Foreign Commercial Service in the preparation of these events. In addition, USAID will continue to disseminate information on the Brazilian renewable energy and energy efficiency markets. Implementing agency: Same as above.

Develop markets for renewable energy (\$300,000 DA). USAID will implement demonstration projects of productive uses of renewable energy in communities without access to the national electricity grid. In collaboration with the Brazilian government's "Light for All" program, USAID will provide technical assistance for at least four demonstration projects including renewable energy-powered drying applications and micro-irrigation systems, and solar-powered digital inclusion initiatives. In addition,

USAID will provide technical assistance to the government to assess the feasibility of a landfill biogas facility to replace a thermal power plant in the Amazon. Implementing agency: Same as above.

Increase access to information on market-based mechanisms for renewable energy and energy efficiency projects (\$300,000 DA). USAID will provide training on renewable energy and energy efficiency-related topics, including cutting-edge energy efficiency technologies and methodologies training for Brazil's Energy Efficiency Program (PROCEL) staff. USAID will also provide training to federal and state level energy regulatory agencies to help them establish a more conducive and effective regulatory framework for renewable energy and energy efficiency activities in Brazil. Implementing agencies: Winrock International and ICF Consulting.

**FY 2005 Program:**

Implement policies supportive of renewable energy and energy efficiency (\$200,000 DA). USAID plans to work with the Brazilian administration and the legislative branch to ensure that policies and regulations, such as those related to universal service, off-grid rural electrification, use of renewable energy sources, and energy efficiency are effectively enforced. Implementing agency: Winrock International (prime) and NGO sub-recipients.

Increase technological cooperation between U.S. and Brazilian firms (\$100,000 DA). USAID plans to continue funding activities that promote cooperation between U.S. and Brazilian firms in the field of renewable energy and energy efficiency. USAID will work closely with the U.S. Department of Energy and the U.S. Foreign Commercial Service to effectively promote technology transfer and market access. Implementing agency: Same as above.

Develop a market for renewable energy (\$400,000 DA). USAID plans to expand this activity by increasing the number of demonstration projects and renewable energy technologies, such as bio-fuels and micro and small hydro systems. USAID also plans to demonstrate a variety of innovative, productive uses for renewable energy such as water pumping and micro irrigation, bio-digesters and efficient stoves, and solar dryers. USAID will contribute to the development of micro and small financing mechanisms to support renewable energy projects with technical assistance and training. Implementing agency: Same as above.

Increase access to information on market-based mechanisms for renewable energy and energy efficiency projects (\$300,000 DA). USAID will continue to provide training to the energy community on energy efficiency and renewable energy-related issues. Implementing agencies: Winrock International and ICF Consulting.

**Performance and Results:** The main outcomes expected at the end of this program include increased energy services and/or more efficient energy services, which will directly or indirectly benefit 320,000 Brazilians as a result of USAID-supported technology cooperation initiatives and a 30% reduction in the number of Brazilians without access to adequate energy supply. The program will also help to mobilize \$10 million from various sources for the development of renewable energy and energy efficiency projects and result in a 50% increase in Brazil's installed renewable energy generation capacity.

## US Financing in Thousands of Dollars

Brazil

512-009 Energy Program	DA
<b>Through September 30, 2002</b>	
Obligations	0
Expenditures	0
Unliquidated	0
<b>Fiscal Year 2003</b>	
Obligations	1,294
Expenditures	600
<b>Through September 30, 2003</b>	
Obligations	1,294
Expenditures	600
Unliquidated	694
<b>Prior Year Unobligated Funds</b>	
Obligations	0
<b>Planned Fiscal Year 2004 NOA</b>	
Obligations	1,276
<b>Total Planned Fiscal Year 2004</b>	
Obligations	1,276
<b>Proposed Fiscal Year 2005 NOA</b>	
Obligations	1,000
Future Obligations	4,506
Est. Total Cost	8,076