

U.S. Trade and Development Agency



Traditional Energy and Power

The U.S. Trade and Development Agency (USTDA) helps companies create U.S. jobs through the export of U.S. goods and services for priority development projects in emerging economies. USTDA links U.S. businesses to export opportunities by funding project planning activities, pilot projects, and reverse trade missions while creating sustainable infrastructure and economic growth in partner countries.

USTDA Programs

USTDA promotes economic growth in emerging economies by facilitating the participation of U.S. businesses in the planning and execution of priority development projects in host countries. The Agency's objectives are to help build the infrastructure for trade, match U.S. technological expertise with overseas development needs, and help create lasting business partnerships between the United States and emerging market economies.

USTDA advances these objectives through its two key programs, the *International Business Partnership Program* and the *Project Development Program*.

USTDA's reverse trade missions (RTM) are the mainstay of its *International Business Partnership Program (IBPP)*. Created in 2010 in response to President Obama's National Export Initiative, the *IBPP* is USTDA's signature program for linking the U.S. private sector to foreign buyers. These visits are carefully planned to enable foreign decision-makers to meet with U.S. businesses and to observe the manufacture, and demonstration of U.S. goods and services that can help them achieve their development goals. These RTMs also include meetings with financial institutions to observe financing options and technical and regulatory bodies that can assist with strengthening the project sponsor's technical capacity.

Through feasibility studies, technical assistance and pilot projects, USTDA's *Project Development Program* helps overseas project sponsors identify technological solutions and various sources of financing for priority infrastructure projects.

Through these programs, USTDA funds an array of activities that promote the procurement of U.S. traditional energy and power technologies and the development of energy infrastructure projects in partner countries.

Recent Activities

Generating Energy in Colombia

Facing gas supply shortages as a result of increasing economic growth, Colombia sought to construct a gas treatment plant to unlock the country's access to clean natural gas reserves with assistance of feasibility study financing from USTDA. The study identified the optimum development concept and gas treatment technology to develop the Cusiana Gas Treatment Plant. With this detailed analysis and the competitiveness of the U.S. industry in this sector, the



project developer, Ecopetrol, has imported close to \$50 million in U.S.-manufactured equipment, compressors and tools during the construction of the gas treatment plant. In addition, Ecopetrol has installed technologies that help monitor and control the dew point level in the hydrocarbons emitted by the plant, making the emissions more environmentally-friendly.

USTDA's grant for a feasibility study on a proposed gas treatment plant in Colombia has led to more than \$50 million in U.S. exports.



USTDA supports the NEI's mission as a member of the President's Export Promotion Cabinet.



Turkey Nuh Energy Cogeneration Power Plant

USTDA awarded a grant to Nuh Energy to partially fund a feasibility study on developing an independent thermal power generation plant in Hereke, Turkey. The study addressed the technical and financial aspects of generating 57 MW of power alongside an ongoing cement production facility. Based on the final recommendations of the feasibility study, Nuh Enerji secured financing for the procurement of General Electric (GE) power generator sets and other periphery equipment valued at over \$62 million.

Botswana Coalbed Methane and Power Generation Project



Helping Botswana meet growing domestic and regional demand for low-cost, clean and efficient fuel for power plants is the goal of a USTDA grant awarded to the Botswana Development Corporation (BDC). The grant funded a feasibility study, conducted by Advanced Resources International, Inc (ARI), on the coal bed methane project in the eastern part of the country. The President of Botswana strongly endorsed the project, as it will generate electric power and produce industrial fuel and water. Following the completion of the study, the project was successfully implemented and yielded over \$52 million in U.S. exports for power generation units, drilling equipment, compressors, and hydraulic fracturing equipment.

Iraq Basra Refinery Rehabilitation



In order for Iraq to realize greater economic benefit from its oil reserves, the Ministry of Oil intends to reach a capacity of 12 million barrels per day production by 2020. USTDA is supporting this goal through the continued modernization of Iraq's oil and gas sector. The Agency's most recent effort is a grant to the South Refineries Company for a feasibility study on the rehabilitation of its Basra refinery, which will be conducted by Shaw Energy and Chemicals, Inc. To help facilitate major modernization of the Basra refinery, the study will assess its current condition and outline the necessary engineering, equipment supply and construction efforts required to substantially modernize the Basra refinery's operation.

Nigeria Gas Storage and Processing Reverse Trade Mission



A delegation of senior officials from Oando Gas and Power Limited, a Nigerian oil and gas company, visited the United States on this USTDA sponsored reverse trade mission to meet with site operators and gain a better understanding of the operational implications and geological limitations of various types of gas storage sites. The visit had a dual focus of advancing Oando's decision making with respect to gas storage solutions and introducing Oando to suitable U.S. business partners for an upcoming gas processing facility procurement.

Contact us for more information!

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USTDA: Traditional Power by the Numbers

\$2.26 million

Amount obligated by USTDA in fiscal year 2010 for traditional energy and power activities.

\$47.3

Each dollar that USTDA invests in the traditional energy and power sector generates \$47.3 in U.S. exports.

6

Number of traditional energy and power activities obligated by USTDA in fiscal year 2010.



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