



| LOCATION | | YEAR | |
|---------------------------------------|------------------|-------------------------|-------------------------------------|
| Guatemala, El Salvador | | PROFFESIONAL SERVICES | CONSTRUCTION <i>(If applicable)</i> |
| | | 2000 - 2005 | |
| PROJECT OWNER INFORMATION | | | |
| a. PROJECT OWNER | b. CONTACT | c. CONTACT PHONE NUMBER | |
| Duke Energy International | Ing. Saúl Carías | +502-2327-7462 | |
| PROJECT REPORT (Reach, Size and Cost) | | | |

Background – During the 2000 – 2005 period, Anzueto & Asociados did a series of consulting services and appraisals for Duke Energy International and its plants in Guatemala y El Salvador

Arizona Plant, Las Palmas Plant, Guatemala Offices and Quetzal Port Fuel Terminal Fixed Assets Inventory - Arizona Power Plant in Guatemala 100% fixed assets physical inventory.

Las Palmas Power Plant in Guatemala 100% fixed assets physical inventory.

Quetzal Port Fuel Terminal in Guatemala, 100% fixed assets physical inventory.



Guatemala Headquarter Offices 100% fixed assets physical inventory.

Work description:

Fixed assets identification, status definition, nameplate sticking, inventory variation investigation and analysis, written and electronic reports, on inventory, obsolete assets and deteriorated assets, accounting adjustments report and fixed assets appraisal.

Arizona Power Plant Commercial Appraisal – Arizona Power Plant Comercial Appraisal as a Productive Unit. The Arizona Power Plant is located in Escuintla, Guatemala and has an installed capacity of 150 MW. It has 10 Wartsila 18V46 internal combustion engines and its auxiliary equipment including exhaust gases treatment equipment. For this appraisal land and buildings were included.

Las Palmas Power Plant and La Laguna Power Plant Power Units Estimated Useful Life -

Las Palmas Power Plant: It has 5 Wartsila internal combustion engines and a Stewart & Stevenson

gas turbines. La Laguna Power Plant: It has two Elliot Company steam turbine units, one Westinghouse gas turbine units, one General Electric gas turbine unit and one Fiat Aviazione gas turbine unit. A technical record on each unit was created where technical specifications, preventive maintenance records, major services, major failures, diagnostic tests, performance tests, operation status, physical inspection, technical obsolescence, economic obsolescence and manufacturer warranties were analyzed for the estimated useful life of each unit.



Project Key Elements

- Plant Salvage Value Appraisal
- Plant Commercial Appraisal
- Plant Estimated Useful Life
- Fixed Assets Inventory



Las Palmas Power Plant and La Laguna Power Plant Salvage Value Appraisal - A physical inventory and units inspection was made on all power units including, auxiliary equipment, steam generation equipment, water treatment and electrical substation equipment. Land and buildings were included in the appraisal.

Las Palmas Power Plant and La Laguna Power Plant Commercial Appraisal - Las Palmas Power Plant No1 (40 MW installed capacity): A physical inventory and units inspection was made on all power units including, auxiliary equipment, steam generation equipment, water treatment, electrical substation equipment and spare parts inventory. Land and buildings were included in the appraisal.

Las Palmas Power Plant No 2 (60 MW installed capacity): A physical inventory and units inspection was made on all power units (4 Wartsilla internal combustion engines) including, auxiliary equipment and spare parts inventory. Land and buildings were included in the appraisal.

La Laguna Power Plant(80 MW installed capacity): A physical inventory and units inspection was made on all power units (2 gas turbine units and 2 steam turbine units) including, auxiliary equipment, steam generation equipment, water treatment, electrical substation equipment and spare parts inventory. Land and buildings were included in the appraisal



Acajutla Power Plant Estimated Useful Life – The Acajutla Power Plant is located in the Acajutla Port, Sonsonate, El Salvador. It has an installed capacity of 284 MW. Power Plant equipment includes two Mitsubishi tipe F steam turbine units, one General Electric MS 7001 gas turbine unit and 9 Wartsila 18V46 internal combustion engines. A technical record on each unit was created where technical specifications, preventive maintenance records, major services, major failures, diagnostic tests, performance tests, operation status, physical inspection, technical obsolescence, economic obsolescence and manufacturer warranties were analyzed for the estimated useful life of each unit.



Soyapango Power Plant Business Unit Appraisal - The Soyapango Power Plant is located in Soyapango, El Salvador. It has an installed capacity of 16.2 MW. A physical inventory and units physical inspection was made on all power units (3 Wartsilla 18V32 internal combustion engines) including, auxiliary equipment and spare parts inventory. Land and buildings

were included in the appraisal.