



ENERGY

...anytime

Complete solutions for power generation



Operation and Maintenance - La Sierra Turbine Power Plant

Owner: Empresas Publicas de Medellin (EPM)
Contractor: General Electric

Engines: 2 x MC7001 SA / 150 MWe
O&M Contract: Complete O&M three year contract including City-gate, Mark 5, 230 kV substation - under the supervision of General Electric

Location: La Sierra, Antioquia, Colombia

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A full O&M contract covers the full operation of the plant, and a full time staff 365 days per year. It includes the commissioning and start-up of all of the equipment, OJT for all involved personnel, operation, constant visual inspections, fluids analysis, trouble shooting, special parts pricing, scheduled and unscheduled repairs, all necessary tools, building and grounds maintenance, plus complete administrative staff.

Energy International offers long term O&M contracts to our customers. Such offers can be negotiated under either a "fixed cost" or "cost plus" basis. Energy International works together with our clients to provide the best solution for their needs. Energy International can provide not only the types of contracts described below but can tailor an agreement to the customer's specific requirements.

Energy International has four different standard contracts to meet the customer's requirements:

- A full **O&M** contract to cover the full operation of the plant, and a full time staff 365 days per year. It includes the commissioning and start-up of all of the equipment, OJT for all personnel involved, operation, constant visual inspections, fluids analysis, trouble shooting, spare parts inventory, scheduled and unscheduled repairs, all necessary tools, building and grounds maintenance, plus a complete administrative staff. Additional services can be included as requested.
- A **Maintenance and Repair Agreement (MRA)** which provides on-site technical support, for all personnel involved, spare parts inventory, fluids analysis, a full time maintenance and technical staff, and all necessary tools.
- A **Maintenance Service Agreement (MSA)**. In this alternative Energy International would have on-site technical support, OJT for all personnel involved, and spare parts recommendations.
- A **Technical Service Agreement (TSA)** under which the contract covers on-site technical support, and OJT for all personnel involved.