

# CASE STUDY – UTILITIES

## Grand Bahama Power

**Our Client, GBPC** is a vertically integrated utility and sole provider of electricity on Grand Bahama Island. It was incorporated on April 18, 2001, under the laws of the Commonwealth of The Bahamas. GBPC owns approximately 98 megawatts (“MW”) of oil-fired generation, 138 kilometers of transmission facilities and 860 kilometers of distribution facilities and has a workforce of approximately 169 people. As of December 31, 2015, the Company serviced approximately 19,000 customers, of whom approximately 80 percent were residential customers.

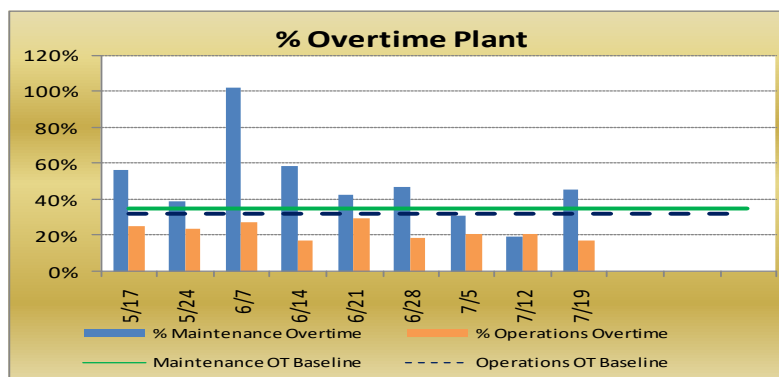
### Background and Situation:

- The plant consists of 7 generating units; 3 diesel, 2 steam, and 2 gas turbines with a total net generating capacity of 134.8 MW/Hr.
- The plant is a unionized facility consisting of 84 people.
- Unreliability is compounded by unit age, the logistics of receiving parts and contractor assistance on the Island.

### Objectives:

- Implement Routine Maintenance, Outage Maintenance, and Problem-Solving Reliability Team.
- Reduce use of maintenance overtime by 25%. The overtime rate was 32% when the project began.
- Implement a problem-solving culture to create proactive environment for resolving equipment issues and improving EFOR
- Increase the compliance to preventive maintenance (PM) schedules.

### Results:



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