

MeeFog™ Project Profile

Gas Turbine Inlet Air Fogging

1 x GE 7EA - Linden Cogen



Project Summary:

Linden Cogen installed a MeeFog™ System to replace an old high-maintenance fog system supplied several years ago by a different company. Linden Cogen found they were spending too much time and money on the previous system. They were so impressed by the performance of the new MeeFog™ System that they purchased another one the following year. MeeFog™ Systems are equipped with water-lubricated pumps that do not require oil or drive belt replacement. They are easy to maintain and perform efficiently even after decades of use.

Project Conditions:

- Location: Linden, New Jersey
- Hot day conditions: 93° F with 75° F wet bulb
- Model: GE 7EA Gas Turbine
- Elevation: 50 feet ASL
- Mee's scope of work: Design, Build, and Install
- Max power boost per GT: 6 MW
- Degrees of Cooling per GT: 24° F

Fog System Design:

- Evaporative cooling system
- Cooling stages: 8
- Operating pressure: 2,000 psi
- Fog Droplet Size: 19 Micron (DV 90)
- Nozzle Flow Rate: 0.045 gpm per nozzle
- MeeFog™ Nozzle Count: 560
- Max. Water Flow: 25.2 gpm
- Max. Power Requirement: 2x20 HP