

**Statement of Objectives (SOO)  
for the  
NFSG Boiler & Cooling Tower Training**

**1.0 Purpose**

To procure a contract to bring a training instructor on site at the Lake City VA Medical Center, 619 S. Marion Ave. Lake City, FL to conduct training for Supervisors on the most efficient and safe operation and maintenance of Boilers and Cooling Towers at the facility.

**2.0 Background**

The Malcom Randall VA Medical Center at Lake city Engineering has a need for Supervisory training on how to operate and maintain the Boiler and Chiller Plants for the new supervisors and project managers in Engineering. Proper management of the Boiler Plant and Chiller Plant is essential to keep costs down while at the same time increasing safety and reliability. The Boiler Plant has three Superior Firetube Boilers with Powerflame Burners.

Fire Tube Boilers (Built 2014)

Manufacturer - Superior

Model 7-X-1750

Serial # Boiler 1 = 17764

Serial # Boiler 2 = 17777

Serial # Boiler 3 = 17775

12075 lbs/hr

Powerflame Burners Model UCM 350-GO-30

Serial # Boiler 1 = 091455125

Serial # Boiler 2 = 091455124

Serial # Boiler 3 = 091455126

Ultra Low NOX

Dual Fuel Source. Natural Gas or #2 Diesel

Preferred Controls Scada/Flex Distributed Controls

Chillers

#1 Trane R123 Model: CVKF049FA3YOCCL2618WAE87TBC0000070000070LOW002B100A

Serial: L09L02527

#2 Trane R123 Model: CVKF049FA3YOCCL2618WAE87TBC0000070000070LOW002B100A

Serial: L09L02573

#3 Trane R123 Model: CVKF049FA3YOCCL2618WAE87TBC0000070000070LOW002B100A

Serial: L09L02591

#4 York R134A Model: YKERETQ7-CNG

Serial: SAXM-836840

Cooling Towers

Four Evaporative Type Cooling Towers

**3.0 Scope**

Provide a class to train Engineering Supervision on the operation and maintenance of the Boiler Plant and the Cooling Towers at the Lake City VA Medical Tower. Provide an instructor to arrive

on location at the Lake City VA Medical Center and teach a course on “Boilers and Cooling System Training for Supervisors” to up to ten Supervisors and Engineering Staff.

Training will be provided in the following:

Boiler Plant:

Custom Manuals will be created for the Boiler Plant.

- Will include photographs and information on your specific system
- Contain theory and specifications that are educational to any boiler operator
- The VA will own any manuals created

Operation and Maintenance of Superior Firetube Boilers with Powerflame Burners

Operation and Maintenance of the Preferred Scadaflex Burner Control System

Chemical treatment of the Boilers for optimal life expectancy

Chillers:

Operation and Maintenance of Trane Centrivac Chillers for operational efficiency

Operation and Maintenance of York Chillers for Operational efficiency

Cooling Towers:

Operation and Maintenance of Marley Cooling Towers for operational efficiency

#### **4.0 Performance objectives (required results)**

The objective of this training is to train Supervisors in the latest methods of operating a Boiler Plant and a Chiller Plant in a hospital environment to achieve maximum efficiency and safety. To enable Supervisors to plan, lead organize and schedule work for the Operators and maintenance crews to optimize Plant operations.

#### **5.0 Type of Contract Contemplated**

This contract would be a one-time service.

#### **6.0 Period of Performance**

The training will take place at the convenience of the Facility.

#### **7.0 Place of Performance**

This training will take place at the Lake city VA Medical Center in the Engineering Conference Room.

#### **8.0 Government information**

The facility has three fire tube boilers in the Boiler Plant located in a building on the facility. They have a Chiller Plant in another building on campus.

#### **9.0 Government property/equipment**

The Government will not provide any equipment to perform this training.

#### **10.0 Required nongovernment information/documents**

There are not any documents to be provided by the Government.

#### **11.0 Other addenda**

Safety Regulations: All OSHA safety regulations shall be observed during the project. The VA Safety Officer shall have full authority to see that the contractor obeys all safety rules and regulations relative to the fulfillment of this project. Provide the necessary barricades/signage where required.

Scheduling and Hours of Work: All work in areas involved shall be scheduled with the Contracting Officers Representative.

There will be approximately ten Supervisors or Engineering Staff on site for the training.

#### 12.0 Meetings/Training

For all training, the contractor shall be responsible for providing materials, and administrative and facilitation support. Training will be conducted in Engineering at the facility.