

# Madison, Wisconsin Plant - Cogeneration

CMC Solutions, LLC. was retained by a major university in Wisconsin to install Predictive Emission Monitoring Systems (PEMS) for one existing boiler and 4 new boilers. The PEMS software (SmartCEMS® with Data eElements) was installed onsite for the five units starting with emissions data collection in Dec 2018, then models were generated, then culminating with training sessions and RATA reports being submitting in May 2019.

**Facility Information:** 113008390-P11

## **History of Project Development:**

### **December 2018**

Process and emissions data were collected at normal operating conditions including startup and shutdown from historical records using the existing CEMS.

### **January 3, 2019**

Change order was issued for additional hardware (two (2) servers, two (2) NAS, and two (2) domain controllers) to achieve automatic failover of the PEMS servers.

### **January 28, 2019 - February 1, 2019**

PEMS models were deployed at site.

### **February 2019**

The QA Plan was prepared and submitted.

### **February 25, 2019 – March 13, 2019**

Montrose Air Quality Services performed the RATA for all Boilers

### **March 4, 2019 – March 5, 2019**

PEMS training conducted on site by Erica Kotajarvi

### **March, 2019**

The certification documentation was prepared for the boilers at both CHSP and WSHP.

### **May 21, 2019**

The RATA reports were issued for the boilers.

## **Products:**

