

# Central State Hospital

## Heating Plant Month Report

2/1/2016

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Monthly Report

### Description

|   | Plant           |                 |                 |                 | Units        |
|---|-----------------|-----------------|-----------------|-----------------|--------------|
| Heating Degree Days                     | 1,019.86        |                 |                 |                 | hdd          |
| Total Plant Steam Flow                  | 10,149.58       |                 |                 |                 | klbs         |
| Steam Flow Per Heating Degree Day       | 10.0            |                 |                 |                 | klbs/hdd     |
| Total Condensate Return Water Flow      | 164.2           |                 |                 |                 | klbs         |
| Total Plant Gas Flow                    | 12,007.72       |                 |                 |                 | kscf         |
| Total Plant Gas Cost                    | \$73,736.40     |                 |                 |                 | \$           |
| Total Plant Oil Flow                    | 0.0             |                 |                 |                 | gals         |
| Total Plant Oil Cost                    | \$0.15          |                 |                 |                 | \$           |
| Total Plant Fuel Cost                   | \$73,736.55     |                 |                 |                 | \$           |
| Fuel Cost Per Heating Degree Day        | \$72.30         |                 |                 |                 | \$/hdd       |
| Plant Average Steam Cost Per Degree Day | \$0.01          |                 |                 |                 | \$/klbs      |
| Total Plant Efficiency By I/O           | 82.8            |                 |                 |                 | %            |
| <hr/>                                   |                 |                 |                 |                 |              |
| Condensate Transfer Pump #1 Run Time    | 182.4           |                 |                 |                 | hrs          |
| Condensate Transfer Pump #2 Run Time    | 433.1           |                 |                 |                 | hrs          |
| Condensate Transfer Pump #3 Run Time    | 123.1           |                 |                 |                 | hrs          |
| Boiler Feed Pump #1 Run Time            | 230.8           |                 |                 |                 | hrs          |
| Boiler Feed Pump #2 Run Time            | 156.2           |                 |                 |                 | hrs          |
| Boiler Feed Pump #3 Run Time            | 189.6           |                 |                 |                 | hrs          |
| Boiler Feed Pump #4 Run Time            | 127.7           |                 |                 |                 | hrs          |
| Fuel Oil Pump #1 Run Time               | 0.0             |                 |                 |                 | hrs          |
| Fuel Oil Pump #2 Run Time               | 0.0             |                 |                 |                 | hrs          |
| <hr/>                                   |                 |                 |                 |                 |              |
|   | <b>Boiler 1</b> | <b>Boiler 2</b> | <b>Boiler 3</b> | <b>Boiler 4</b> | <b>Units</b> |
| Run Time                                | 9.0             | 288.7           | 223.3           | 267.2           | hrs          |
| Steam Flow                              | 8.03            | 3509.17         | 3305.90         | 3326.49         | klbs         |
| Gas Flow                                | 53.78           | 4278.06         | 3789.87         | 3886.00         | kscf         |
| Natural Gas Cost                        | \$330.27        | \$26,270.52     | \$23,272.63     | \$23,862.96     | \$           |
| Oil Flow                                | 0.0             | 0.0             | 0.0             | 0.0             | gals         |
| Oil Cost                                | \$0.00          | \$0.00          | \$0.00          | \$0.15          | \$           |
| Total Fuel Cost                         | \$330.27        | \$26,270.52     | \$23,272.63     | \$23,863.11     | \$           |
| Average Steam Cost                      | \$41.15         | \$7.49          | \$7.04          | \$7.17          | \$/klbs      |
| Efficiency By Losses                    | 0.0             | 0.0             | 0.0             | 0.0             | %            |
| Efficiency By I/O                       | 14.6            | 80.3            | 85.4            | 83.8            | %            |