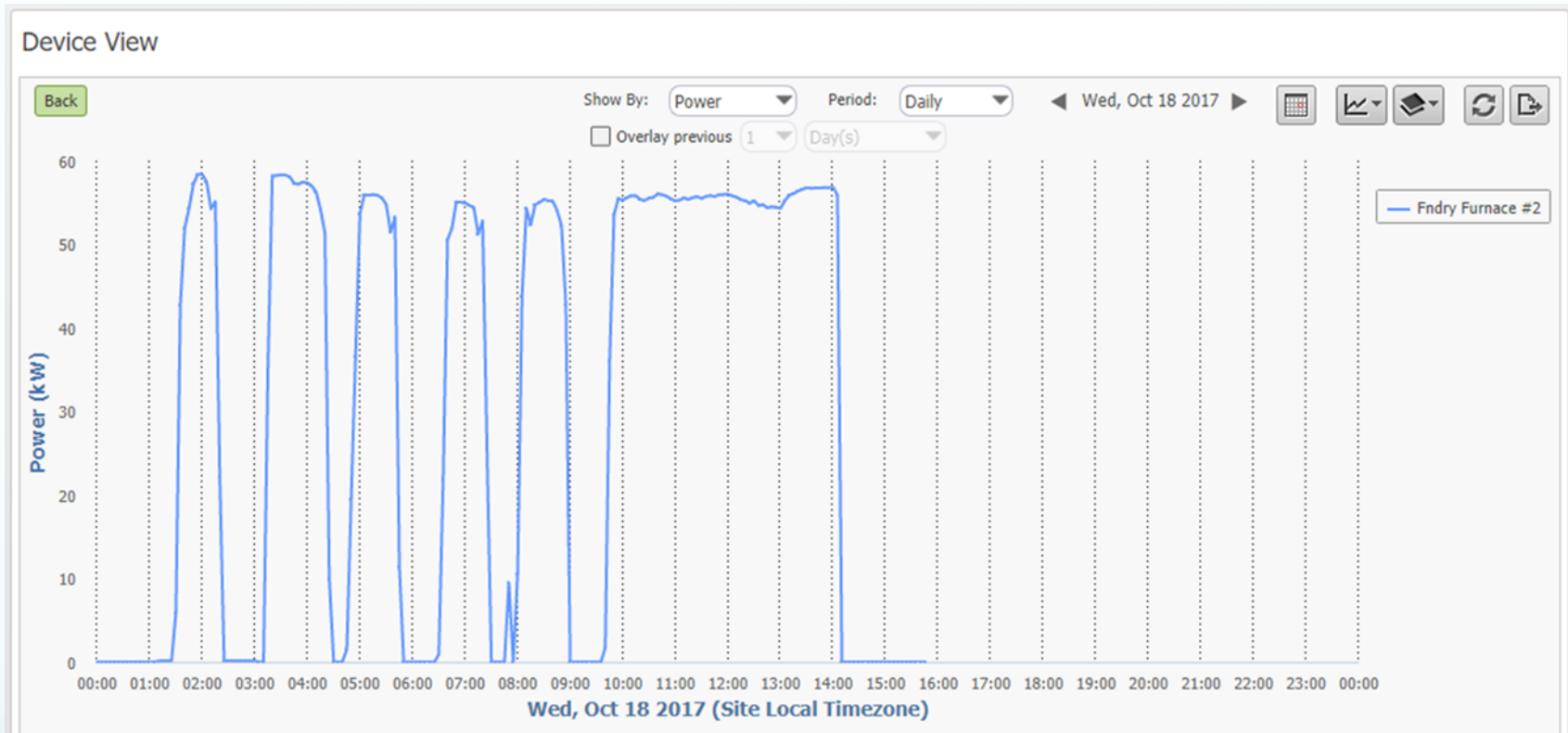


Equipment Failure Prevention



Furnace heating cycle to maintain temperature is typically 1 hour. At 10:00am this furnace remained at maximum load until an alert was sent and the operator shut it down. If this patterned continued over time heating elements would fail. This data provided not only an alert to the operator it allowed management to view energy waste and address plant operations.