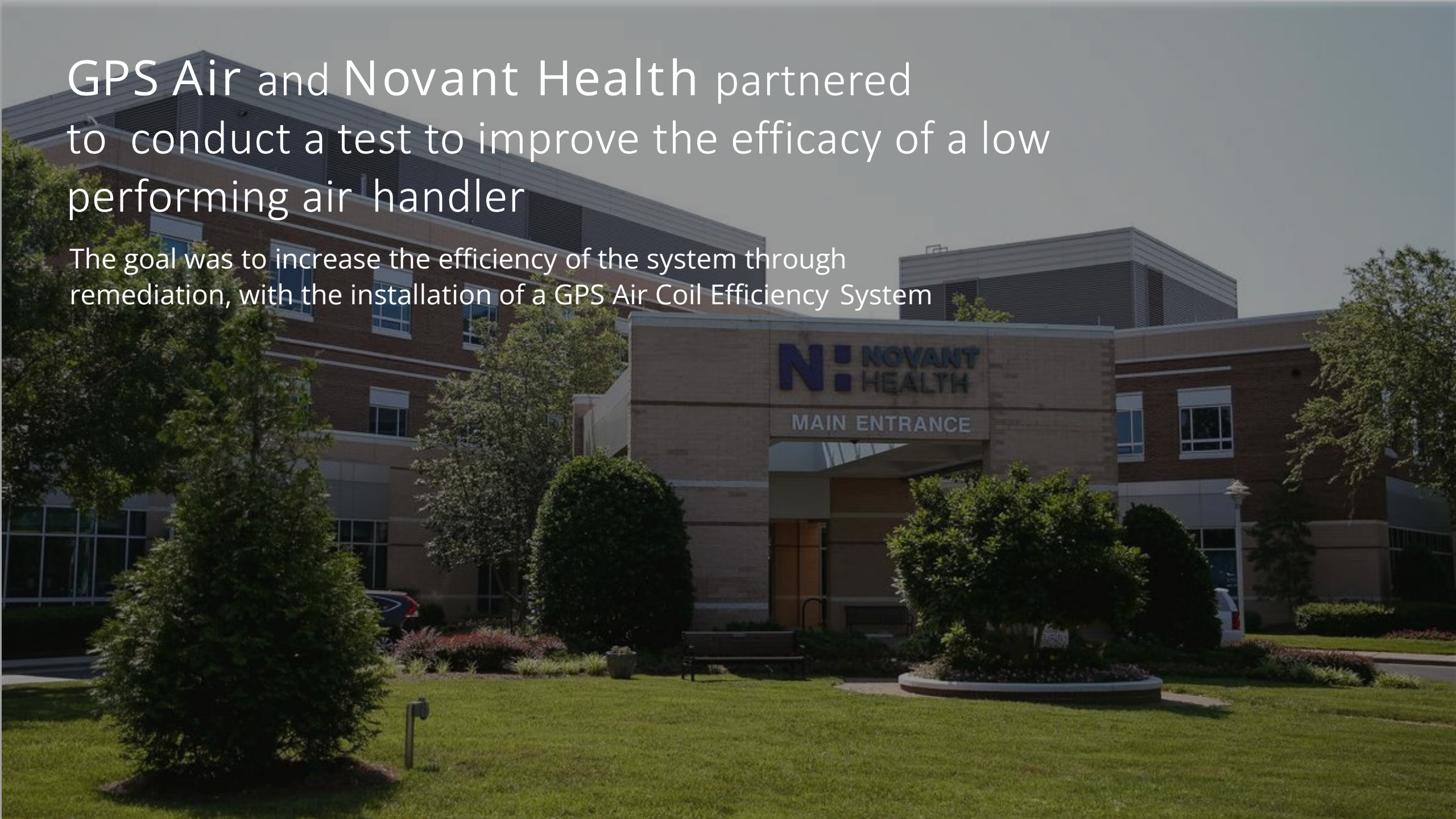
GPS Air and Novant Health partnered to conduct a test to improve the efficacy of a low performing air handler

The goal was to increase the efficiency of the system through remediation, with the installation of a GPS Air Coil Efficiency System

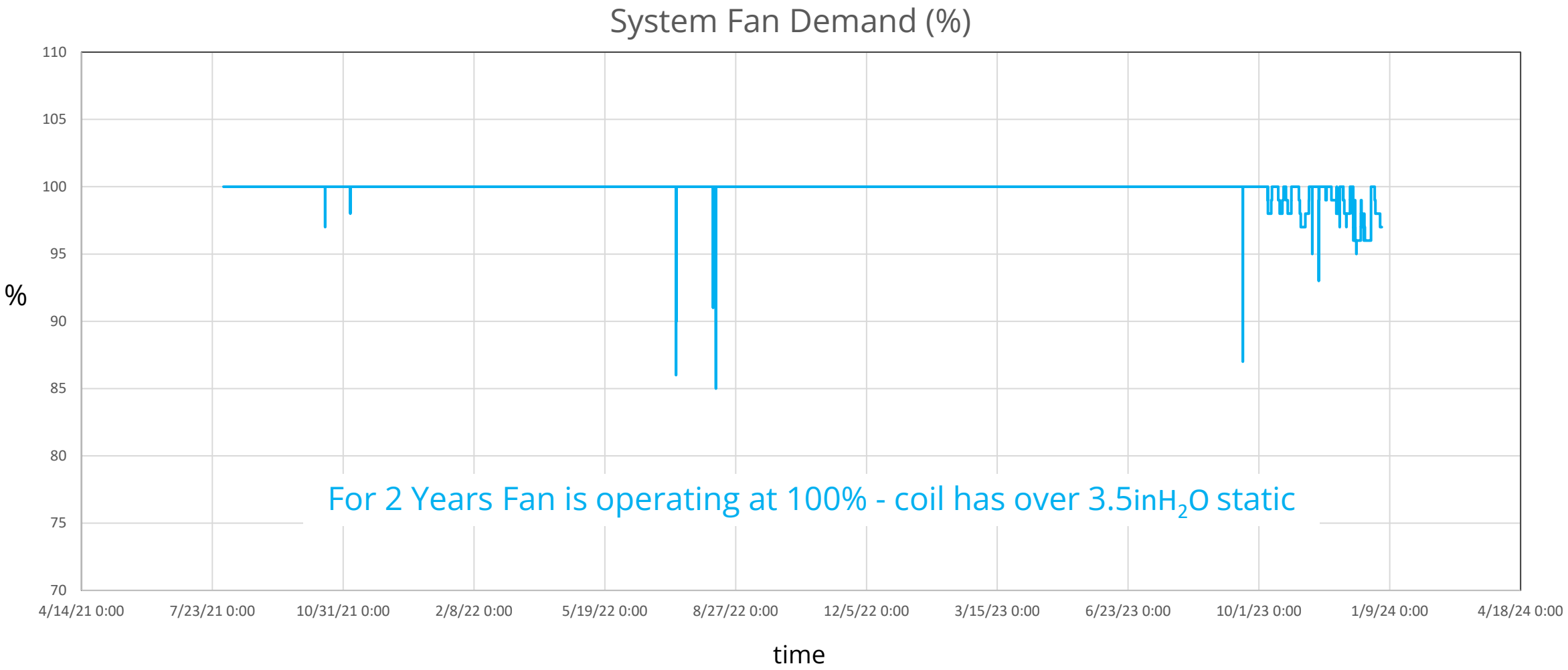


Air Handler Specs:

Trane 28,000 CFM custom system
Filtration: Two stages, MERV 7 and MERV 15
Air Mix Ratio: 80% return air, 20% outdoor air
75HP Blower Motor

System Fan Demand - Historical Data

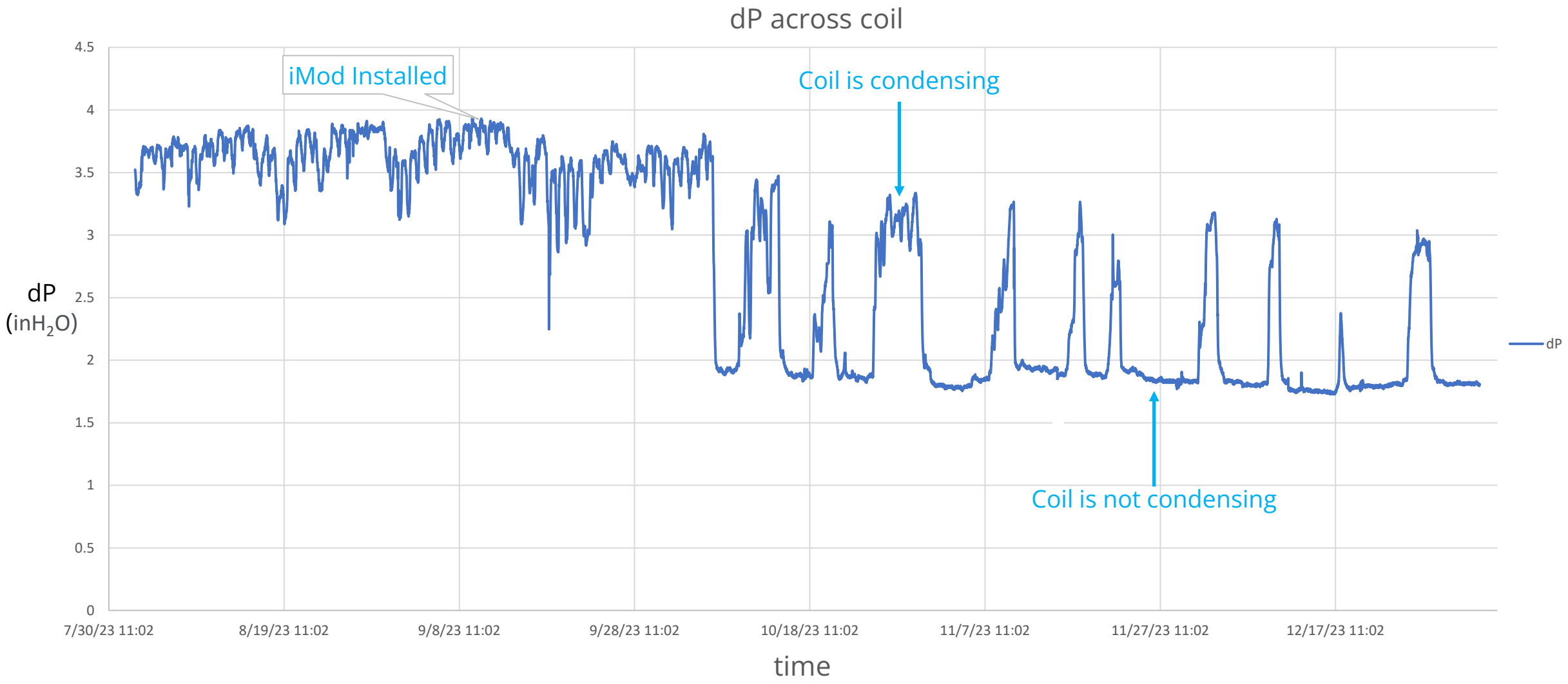
- Over 2 years of data provided by Novant
- System air moving fan ran at 100% capacity for 2+ years
- Prior to install, the fan was operating
- Fan began to operate below 100% in a matter of weeks after the **GPS Coil Efficiency Solution** was installed



Differential Pressure (dP) Data

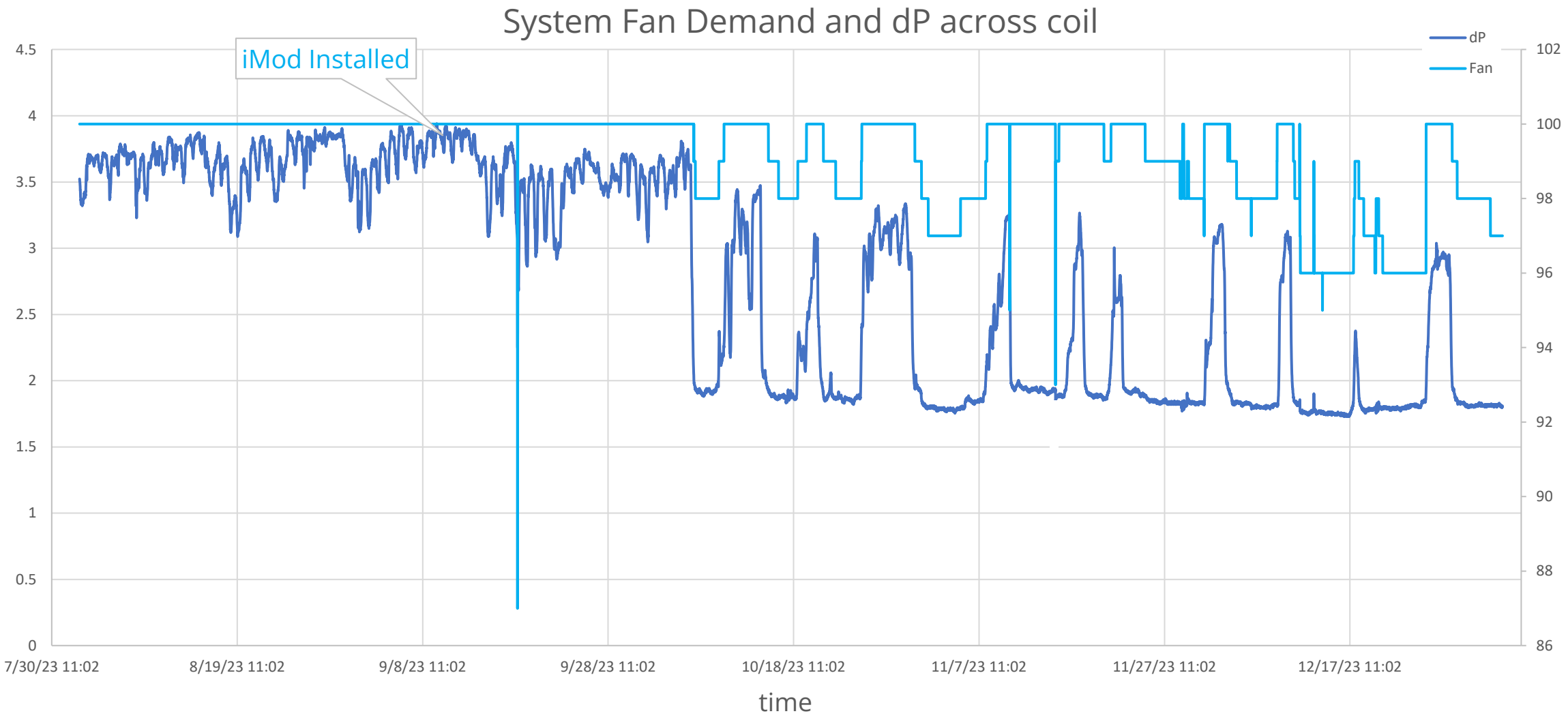
Before GPS Coil Efficiency the Static pressure (dark blue line) was ~3.5inH_2O when the coil was condensing

- Pressure sensors installed on 08/01/23
- IMOD® installed 08/30/23 (not energized)
- iMOD energized 09/14/23



System Fan Demand with Differential Pressure Data

Every time the coil condenses the static pressure reduces.
The demand on the fan continues to reduce after each condensing cycle.



In summary, the coil efficiency study at Novant Health has revealed positive outcomes, evidenced by a significant decrease in static pressure across the coil. This improvement in static pressure has enhanced both system efficiency and airflow, ultimately contributing to potential energy savings.

GPS Air will continue investigations with Novant Health and monitor data on an ongoing basis. Currently, multiple additional sites are being initiated to further increase the dataset. The goal of these investigations is to compile a comprehensive set of studies to understand the total system energy savings a GPS iMOD can provide.