

Allen Community Hospital

Energy Retrofit/Chilled Water Plant/ N+1 Redundancy • Oberlin, OH

New chilled water plant provides N+1 Redundancy and helps in providing quality patient care.

Allen Community Hospital, located in Oberlin, Ohio is part of Community Health Partners in Lorain County. The hospital system has been serving Lorain County since 1907.

Challenge

Allen Community Hospital's 38 year old chiller water system was nearing the end of its useful life-span. Their current system did not have N+1 redundancy capabilities, meaning if the system failed, there was no backup in place to satisfy the needs of the hospital. This could lead to a major inconvenience to the patient and hospital staff. The hospital needed to come up with a plan to replace their aging chilled water system with a more efficient new chilled water plant with controls. Allen Community Hospital also had to take into consideration the tight quarters they had to work with. It would be a challenge for additional equipment to fit into an already tight mechanical room footprint. The new system required by the hospital needed to protect the environment of care through uptime, delivering an energy efficient solution via EarthWise™ design and take the hospital in the direction of future Energy Star qualification. It was crucial for them to have an engineered solution to meet all of these criteria.

Solution

Chilled water systems should be as transparent as possible to both patients and staff. The key importance of the solution to the owner of Allen Community Hospital, was that the system had to be reliable in addition to providing comfort and satisfaction to the patients and hospital staff. This new automated chilled water system with expandable Trane Summit Direct Digital Controls provides increased comfort in all hospital areas, requires less maintenance and interaction from trained staff member, allowing them to turn their focus to other critical matters and provide continuous backup, assuring no compromise to the patient experience, the critical care staff efforts or the revenue stream.



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Allen Community Hospital is a 25-bed Critical Access Hospital located in Oberlin, Ohio in southern Lorain County. ACH offers Subacute Care, Surgical Services, Rehabilitation, Diagnostic Services and state-of-the-art Emergency Services.

Building Specifications

Building Type

Acute Care Health Care Facility

Constructed

1907

Facility Size

- 83,000 sq. ft.
- 25 beds in Critical Facility

Property Owner & Manager

Community Health Partners

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Results

The project was completed on time and within a space that was not designed for additional mechanical equipment. The project also utilized the Premier Group Purchasing Agreement which provides published discounts and a 3% shareback dividend program to the hospital administration. This energy solution provided 20-30% energy savings. Allen Community Hospital continues to view Gardiner Trane as their trusted provider of energy solutions and quality service. Their project has build trust within the Community Health Partners Hospital System.

“Gardiner Trane has a wealth of expertise, with each person playing their part. They have the credibility, quality and craftsmanship of a trusted provider.”

Larry Phillips, Director of Facilities



Systems Overview

- Earthwise™ Chilled Water Plant Design
- (2) Trane 90-ton RTWD Liquid Cooled Chillers
- Tracer Summit Automation System
- Premier Group Purchasing Organization Project
- Energy Savings Retrofit (25-30%)
- N+1 Redundancy

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For more information on Gardiner Trane Solutions, visit
www.gardinertrane.com or contact us at 440.248.3400