

FUJITSU

CASE STUDY

AIRSTAGE™

Bakersfield United States
Army Reserve Corps

Bakersfield, CA

Project Name

Bakersfield United
States Army Reserve
Corps

Location

Bakersfield, CA

Completion Date

July 8, 2013

The Team**Owner**

United States Army
Reserve Corps

HVAC Contractor

Riverlakes Heating
and Air

HVAC Distributor

Ferguson / AirCold

Slashed Utility Bills for Bakersfield USARC

Located in Bakersfield, CA, the building houses the soldiers of the U.S. Army Reserve 736th Transportation Company. The building's primary use is office space, two training rooms, one computer room, and a mess hall. The building was estimated at around 5000 square feet with the larger mess hall not being served by the Fujitsu Airstage VRF system. The age of the build is estimated to be around 30 years old, or older. It is a single-story, brick-and-mortar building with minimal windows and doors.

Design Challenge

The Reserve Corp Station was looking for a replacement to an old hydronic system. Having issues with water pipes, the water chiller, aging boiler, and aging indoor units, the management staff made the decision to upgrade to a high-efficient, reliable system. Riverlakes Heating and Air recommended the installation of the Fujitsu Airstage VRF system. Wall mounted units proved useful in situations with little overhead clearance. As well, the contractor was able to adapt to 460 volt incoming service by using the Fujitsu Application Engineering Bulletin to select a transformer for the 208-230 volt outdoor units.

Why Fujitsu Was Chosen

With several successful jobs under their belt with Fujitsu, Riverlakes was able to install the system quickly and without problems. In addition to quick installation, the units were chosen for their overall energy efficiency and reliability. Fujitsu's 5-year parts and 7-year compressor warranty played a big factor in choice over the competitors.

The Results

The Army Reserve Corp's management team was thrilled to have fully functional system that would reliably replace their problematic chilled water system. Riverlakes Heating and Air did a great job on installation, making commissioning of the system quick and simple, and provided the extended warranty without any questions or doubts of the system's performance.

After several months of operation, the power company actually called and asked if the Army had moved out! They mentioned that the utility bills were far less than they paid in the previous years for the same month, and wondered if they had vacated the building.





Airstage Equipment List: Series: V-II

(1) AOUA264RLBV V-II Heat pump
Outdoor Unit

(1) ASUA7RLAV Compact
Wall Mount Indoor Units

(11) ASUA12RLAV Compact
Wall Mount Indoor Units

(1) ASUB18RLAV Wall Mount
Indoor Units

(5) ASUB24RLAV Wall Mount
Indoor Units

(1) UTY-DTGY Touch Panel
Controller

(18) UTY-LNHU Wireless Remote
Controller

(4) UTR-BP090X Separation Tubes

(6) UTR-BP180X Separation Tubes

(7) UTR-BP567X Indoor Separation
Tube

(2) UTR-CP567X Outdoor
Separation Tube



- ISO9001
- ISO14001

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