

ADRES Automated Demand Response and Energy Savings
**BUILDING AUTOMATION SYSTEM
INFORMATION RESPONSE**

**CONSTRUCTION MANAGEMENT DEPARTMENT
AND
CONSTRUCTION
ADVANTAGES AND CONSIDERATIONS**

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Construction and Construction Management Considerations and Advantages

The corporate construction and construction management department working with the building contractor and subcontractors will have a greatly reduced first cost of implementing the ADRES Controller system compared to a BACnet controlled hardwired system. The ADRES will eliminate all conduit and Ethernet hardwired cable to each individually controlled HVAC unit. There is no configuration of a BACnet Server, network switches, firewalls, or ISP installation costs for the ADRES Controlled system. The elimination of conduit, wiring, network equipment along with the configuration and testing of the system is expected to save \$20k to \$40k in first cost implementation per building.

Specific Construction Advantages:

- No Conduit and Cabling for Ethernet “hardwired” communication.
- No WAN or LAN required.
- No setup and configuration of network or network switches.
- No configuration of BACnet Server.
- No GC testing of wiring and network.
- All programming done remotely.
- All firmware upgrades done over-the-air.
- No single point failure to building.

Typical Cellular WAN Cyber Secure Installation

