LG
Life's Good

GSA (Government Service Administration)

LG Air Conditioning Systems

LG Technology The energy efficiency experience will never be the same

Multi V

Multi V, an innovative comfort technology, offers a quiet, low maintenance, flexible, stylishly unobtrusive commercial air conditioning system ideally suited for government facilities with new technology for LEED® opportunities.

IMAGINE less or no duct work, low utility bills and quiet... LG Technology.

Multi V Benefits

- VRF TECHNOLOGY
- ENERGY ADVANTAGE
- LOW MAINTENANCE
- QUIET COMFORT

Choose Multi V and you choose to substantially lower your building's life cycle cost and potentially increasing resale value. Engineered to minimize operating costs, the Multi V is the commercial air conditioning system of choice for almost all types of sustainable buildings with cooling and heating requirements.

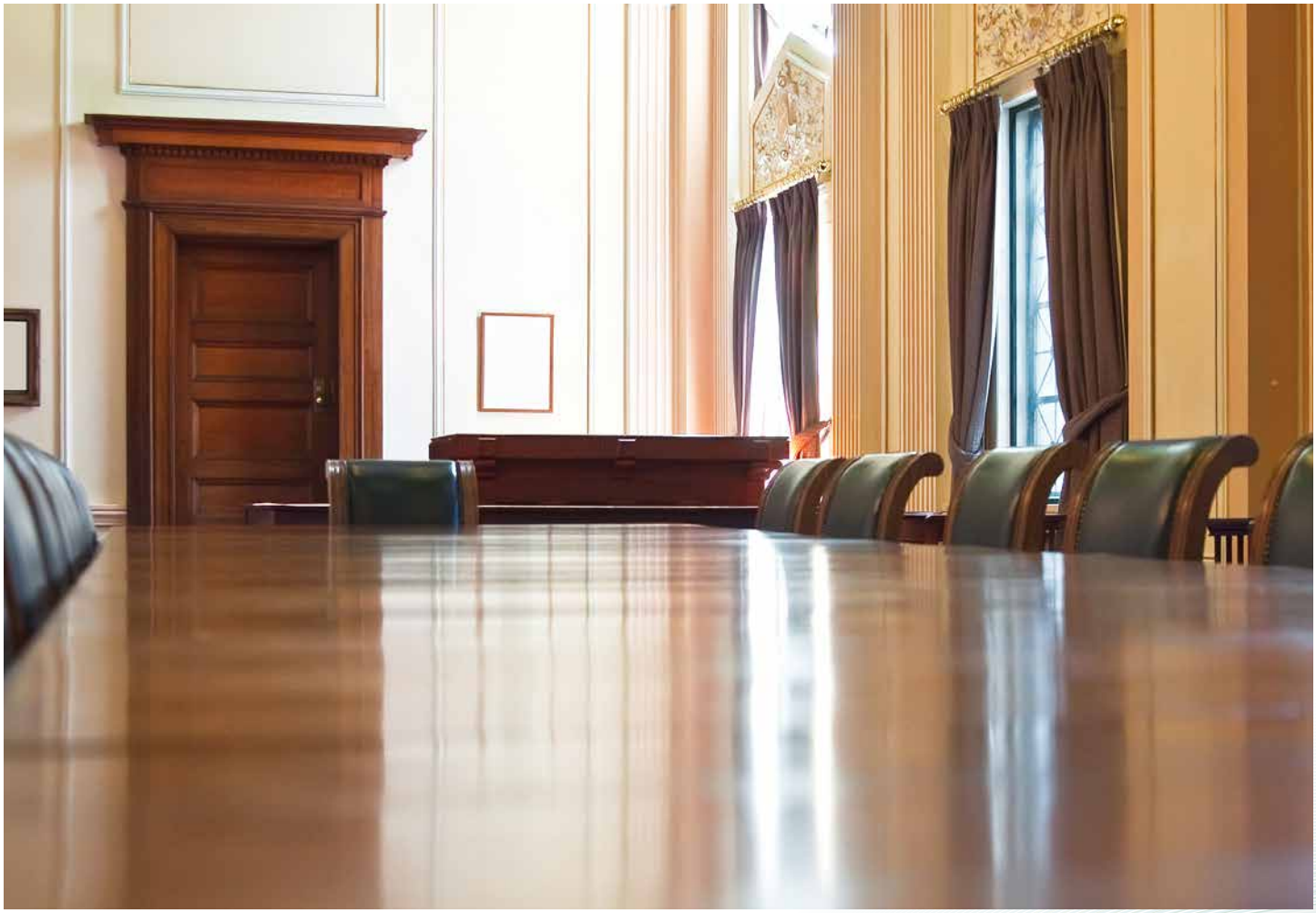
LG - The right choice for the LEED® Generation. Multi V variable refrigerant flow air conditioning systems were developed specifically to be port of sustainable commercial structures. Using R-410A refrigerant and inverter driven compressors and fans, Multi V consumes power to get the job done and eliminates the need for chilled or hot water heat.

Modular design improves system redundancy, room comfort and is ideal for hotel retro-fits.

GOVERNMENT FACILITY

LG Multi V – Engineered to be efficient*

*Note: See efficiency analysis on back page



Indoor units come in a variety of design styles, including wall, floor and ceiling surface mount, ceiling flush and recessed concealed mount to blend in with its surrounding design, seamlessly.

Additional Benefits:

- Modular design adds a higher level of redundancy for facilities
- Ideal for retrofit - can be added to any building structure
- Less or no duct work required

Multi V
The Best Solution for Government Facilities

ENERGY EFFICIENT MULTI V III

Operational Cost

This innovative VRF system technology delivers exceptional comfort while delivering value, to buildings with lower energy consumption.

System Efficiency

An energy efficient system from LG Multi V III allows you to use only what you need, when you need it.

BUILDING MODELING SOFTWARE

EnergyPro™ V.5 building energy simulation software provided by EnergySoft®, using the following accreditations:

- Uses DOE-2.1E simulation engine from U.S. Department of Energy
- Approved by the California Energy Commission
- Accepted by USGBC for use with LEED® certification
- Incorporates ASHRAE based load calculations

BUILDING DESCRIPTION

- Total Area (Sq. Ft): 133,600
- Total levels: 6
- Basement level walk-out
- Zones: 145
- Infiltration (CFM): 0

DESIGN PARAMETERS

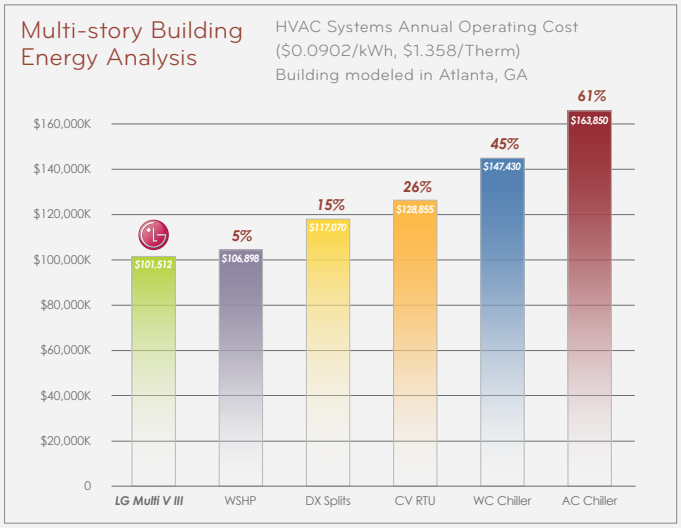
The utility rates used for the energy analysis were assigned based on regional data acquired from the U.S. DOE

The building energy analysis was performed using ASHRAE design temperatures for Atlanta, GA

The city design conditions were used to model the performance of six different types of HVAC systems:

- LG Multi V III, Water Source Heat Pumps (WSHP), Duct Free Split (DFS) Systems, Constant Volume Rooftop Package Units and 4-pipe chilled water/hot water (CW/HW) central plants: one using air cooled chillers, one using water cooled chillers.

Building Type: office



AHRI CERTIFIED™ www.ahridirectory.org Variable Refrigerant Flow (VRF) Multi-Split AC and HP AHRI Standard 1230

Inverter

LIFE'S GOOD...WHEN IT'S GREEN.

Potential energy savings may vary depending on your personal system settings, equipment maintenance, local climate, actual construction and installation of equipment, and duct system

U.S. GREEN BUILDING COUNCIL MEMBER

LG Life's Good

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