

# Energy efficiency is key to federal air conditioner purchase

Lennox Industries and Global Energy Group to supply high efficiency rooftop air conditioners for government buildings

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RICHLAND, Wash. — Rooftop air conditioning equipment manufactured by Lennox Industries and Global Energy Group have been selected by the Department of Energy (DOE) in a competition to provide the best packaged high-efficiency air conditioning equipment for low-rise commercial style government buildings. Selections were based both on price and on annual energy consumption through an open contest administered for DOE by Pacific Northwest National Laboratory (PNNL).

“While the federal government already is required to reduce energy use in buildings, this procurement helps agencies acquire energy-efficient air conditioners at minimum life cycle cost,” said David K. Garman, Assistant Secretary of Energy for Energy Efficiency and Renewable Energy. “We also look forward to making this highly efficient equipment available to non-federal buyers through the Department of Energy’s efficient building technology deployment programs.”

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Minimum product specifications were formulated in consultation with major buyers including the Defense Logistics Agency (DLA), the procurement arm of the U.S. Department

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of Defense. PNNL evaluated equipment using an innovative method of estimating life cycle cost to reflect electric power consumption over a range of temperature and humidity conditions encountered in the course of a typical year.

Each year, air conditioners in the size range targeted by the competition consume approximately 40 billion kilowatt hours in low-rise, commercial-style buildings such as offices, shopping malls, schools and clinics. Ordering agreements under this procurement allows buyers to save electricity costs with highly efficient air conditioning units at an established, competitive price.

“The Defense Logistics Agency intends to highlight the winning air conditioners in its catalogs for federal buyers and to promote these units through our Maintenance, Repair and Operations programs for federal facilities,” said Charles Grabowski of the Defense Supply Center Philadelphia.

Lennox Industries is offering commercial air conditioners with energy efficiency ratios of 11.0 or more in three cooling capacities: 90,000 Btu per hour (Btu/h), 102,000 Btu/h, and 120,000 Btu/h. These units meet efficiency requirements set by the federal ENERGY STAR® program. At these levels the air conditioners are at least 20 percent more energy efficient than current mandatory federal standards require.

“Lennox is an industry pioneer in high-efficiency air conditioning, and we look forward to providing cost-effective equipment through this procurement to save on energy costs and attain environmental goals,” said Lennox Industries’ National Account Manager, George W. Becker.

Global Energy Group’s 88,000 Btu/h and 115,000 Btu/h units exceed ENERGY STAR® requirements with energy efficiency ratios greater than 13. “Our company developed these units specifically to respond to the DOE competition,” said Todd Van Hyfte, Global’s Executive Vice President, “and we are pleased to have been selected for this procurement.” Global’s exceptionally high efficiency is achieved through its proprietary new technology for

evaporator heat transfer and refrigerant cooling. A recognized leader in residential and commercial heating and air conditioning systems, Lennox Industries Inc. is based near Dallas, Texas, and is a subsidiary of Lennox International Inc. (NYSE LII). Global Energy Group (OTCBB GENG) is based in Odessa, Fla. It was formed in 1998 for the primary purpose of inventing, developing and commercializing new technologies that improve the energy efficiency of existing products and processes.

Through targeted technology procurements, DOE and PNNL help develop markets for emerging energy efficiency technologies, including lighting, appliances, and heating, ventilation and air

conditioning (HVAC) equipment. PNNL is a DOE research facility and delivers breakthrough science and technology in the areas of environment, energy, health, fundamental sciences and national security. Battelle, based in Columbus, Ohio, has operated the laboratory for DOE since 1965.

For more information about the Unitary Air Conditioner Technology Procurement, see **[www.pnl.gov/uac](http://www.pnl.gov/uac)**.