

18 December 2003

Mr. Nigel Howard
U.S. Green Building Council
1015 18th Street, NW
Washington, D.C. 20036

Subject: LEED 2.0 Energy Credit 4: Ozone Protection

Dear Mr. Howard,

McQuay strongly urges that NO CHANGES be made to LEED Credit 4 to allow ozone depleting refrigerants. We are a global leader in the design, manufacture, marketing, distribution and service of commercial, institutional and industrial heating, ventilation and air conditioning systems. We are committed to the U.S. Green Building Council (USGBC) and the LEED program and have provided leadership in this area by providing Engineering System Solutions newsletters (1) and training (2) (3).

Ozone depletion continues to be a growing global concern. As recently as November 5, 2003, a report on satellite-based measurements by NIWA scientists showed that a record ozone loss of 47.3 million tons was reached on September 25, 2003, exceeding the previous daily record by nearly two million tons. Dr Bodeker observed, "...the record ozone depletion measured this year (2003) shows that we haven't reached the turning point yet." (4)

It is not necessary to move to a looser standard. McQuay and the other four major HVAC manufacturers, Carrier, Dunham-Bush, Trane and York, offer a variety of equipment that use non-ozone depleting HFC refrigerants and meet or exceed the efficiency requirements of ASHRAE Standard 90.1-2001. We have enacted technological and industrial improvements to move away from ozone depleting substances, while providing world class efficiencies. The industry applauds the efforts of the USGBC and the LEED program in establishing a standard that can be met by continued and viable investments of time and money. Indeed, allowing exceptions or exemptions that conflict with this momentum would be detrimental and confusing to the industry and those who benefit from this standard.

In short, we agree with the Alliance for Responsible Atmospheric Policy documents, "HFCs: Their Value and Importance"(5) and "HFCs An Energy-Efficient Solution"(6), which clearly show why the industry has made a commitment to HFC refrigerants over CFC and HCFC. The USGBC and the LEED program must continue to do the same. McQuay is available to meet with the TSAC to discuss this issue. Thank you for the opportunity to provide feedback on this important subject.

Sincerely,

Hugh Crowther

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1. McQuay International Engineering System Solutions Newsletter #16-Building Sustainability and HVAC Systems.
2. McQuay International Sales and Engineering Data-SED 8013-Ten Things You Need To Know About R-123.
3. ASHRAE Research Project RP-225-Effect of Non-Condensable Gases in Low Pressure Refrigerant Chillers.
4. New Zealand National Institute of Water & Atmospheric Research Media release dated 5th November 2003.
5. www.arap.org/docs/hfc-value.html
6. www.arap.org/docs/hfc.html

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