

ASHRAE Technical FAQ

ID 57

Question Is there an economic justification for HVAC equipment maintenance?

Cost effectiveness of maintenance management is discussed in the [2015 ASHRAE Handbook – HVAC Applications](#), Chapter [A39](#).

The ASHRAE publication [Energy Efficiency Guide for Existing Commercial Buildings](#) includes a chapter on the business case for effective maintenance programs.

You may benefit from performing a keyword search at the ASHRAE website (www.ashrae.org/bookstore) to locate ASHRAE publications relevant the subject you are interested in. This searches all technical papers and proceedings from ASHRAE Meetings and Conferences, magazine articles, handbook chapters, standards, and other literature published by or available through ASHRAE. The following are related to preventative HVAC maintenance:

Answer

- [Operations and Maintenance: Owners And O&M](#) - ASHRAE Journal, Vol. 47, No. 3
- [Operations and Maintenance: Improving System Performance Through Benchmarking](#) - ASHRAE Journal, Vol. 47, No. 3
- [Operations and Maintenance: Tapping into Remote Building Intelligence](#) - ASHRAE Journal, Vol. 47, No. 3
- [Air-Cooled HVAC Retrofit: Safe Bet for Vegas Schools](#) ASHRAE Journal, Vol. 46, No. 5
- [Smart maintenance for rooftop units](#) - ASHRAE Journal, vol. 42, no. 11
- [Comparing Maintenance Costs of Geothermal Heat Pump Systems with Other HVAC Systems: Preventive Maintenance Actions and Total Maintenance Costs](#) - ASHRAE Trans, 2000, vol. 106(1), DA-00-01-2
- [The Link between IAQ and Maintenance.](#) – IAQ 98 Conference Proceedings
- [Operating and maintaining rooftop air conditioners](#) ASHRAE Journal, vol. 39, no. 12
- [HVAC system trend analysis](#) - ASHRAE Journal, vol. 39, no. 2, February 1997
- [Effective O&M Requires Coordination Among the Owner, Occupant, Designer, Builder, and O&M Engineer During Design](#) -

The handbook and the other publications may be purchased and/or individual chapters of the handbook may be purchased and downloaded on-line at our website, www.ashrae.org or by calling 1-800-527-4723 in the USA and Canada or 1-404-636-8400 worldwide.

ASHRAE Pubs

[2015 ASHRAE Handbook – HVAC Applications](#), Chapter [A39](#).

[Energy Efficiency Guide for Existing Commercial Buildings](#)

Topic References cost effectiveness, maintenance

	Cognizant ASHRAE Committees	Refer to Organization
1	TC 7.3	
2	TC 7.8	
3		
4		
5		