

 HVAC SERVICES

Prepare Now for 2023 HVAC Minimum Efficiency Standards



As part of the ongoing initiative to reduce energy consumption in the U.S., the Department of Energy’s (DOE) new minimum efficiency standards, for commercial packaged air conditioners and heat pumps, will go into effect on January 1, 2023. **The new minimum will result in an average increase in energy efficiency of 15% from the 2018 standards.**

BENEFITS OF REPLACING AGING EQUIPMENT

Improved system reliability resulting in lower repair costs

Enhanced functionality available from new equipment

Reduction in energy use

Reduction in carbon emissions

Replacing your equipment on a **planned basis** will reduce the cost of your replacement, versus needing an emergency replacement, and will help ensure that you get the equipment you need instead of settling for what equipment is currently available.

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Assess Your Equipment

It is important to develop a plan to assess your existing equipment and replace any equipment that is past its published useful life. We can help you assess your systems and create an organized HVAC asset/equipment list, prioritized based on age and condition.

This list provides the information necessary to make decisions around prioritization and funding — before determining equipment updates or replacements.

Develop a Proactive Strategy

We work with clients to develop forward-thinking equipment plans, customized to their specific needs. **This includes:**

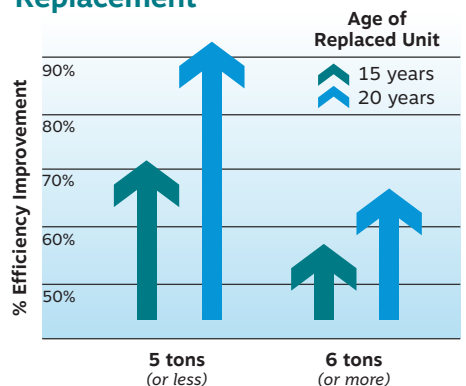
- > Properly maintaining all equipment and performing repairs whenever required
- > Identifying a qualifying basis for replacements based on equipment age and condition
- > Prioritizing replacements, considering factors such as equipment criticality, industry conditions (scarcity of R22, for example), or others

Planned Replacements

For qualifying equipment, the best choice is to replace the unit as soon as funding allows, but now, the urgency is even greater for the following reasons:

- > Equipment costs have risen 40% or more since 2021 and are expected to continue rising
- > Equipment lead times are very long due to ongoing supply chain issues
- > Starting in 2025, new HVAC equipment will require new A2L refrigerants, which are “slightly flammable,” further increasing costs

Expected Efficiency Improvement with Replacement



Unit Capacity Range
Efficiency stats based on 20 years of asset management data tracking across EMS companies.