



# LEED Certification Chart

LEED® for Existing Buildings	
LEED Category	Recommended Activities
<b>ENERGY AND ATMOSPHERE</b>	
Prerequisite 2: Minimum Energy Efficiency Performance. Required Activity	Use Airguard's Owning and Operating Tool to understand the impact of the filter airflow resistance on HVAC system energy usage costs
Credit 1.1-1.10: Optimize Energy Efficiency Performance 2-15 Points; 2 Points Mandatory	Complete life cycle and energy cost analysis on the HVAC filter system and switch to a lower resistance air filter to reduce energy costs and loads.
Credit 3.2-3.3: Performance Measurement: System-Level Metering 1-2 Points	Use pressure gauges to measure resistance to airflow to determine the appropriate change out cycle for filters.
Credit 6: Emission Reduction Report 1 Point	Use an energy analysis tool to determine the amount of energy saved and Green House Gas (GHG) emissions reduced by using low-resistance air filters. For internally generated gaseous contaminants use Airguard products for the removal of airborne molecular contaminants (AMC) and source control.
<b>MATERIALS AND RESOURCES</b>	
Credit 6: Solid Waste Management: Waste Stream Audit	Switch from standard-capacity filters and/or bag style to mini-pleat V-bank final filters. This extends filter life to reduce change outs and waste streams, while minimizing resistance to airflow.
<b>INDOOR ENVIRONMENTAL QUALITY</b>	
Prerequisite 2: Environmental Tobacco Smoke (ETS) Control Required Activity	Install Airguard equipment and use Airguard chemical media to remove airborne contaminants from smoking room. Install HEPA (High Efficiency Particulate Air) filter to filter exhaust air to the outside.
Credit 1.1: IAQ Best Management Practices: IAQ Management Program 1 Point	Perform surveys and educate maintenance staff about filtration fundamentals and application of various air filtration technologies by using programs offered by an Airguard representative and the National Air Filter Association.
Credit 1.4: IAQ Best Management Practices: Reduce Particulates in Air Distribution 1 Point	Install MERV 13 or higher rated filters. Follow a regular schedule for air filter maintenance to keep unfiltered bypass air from entering the ductwork and occupied spaces..
Credit 1.5: IAQ Best Management Practices: Management for Facility Alterations and Additions 1 Point	Install MERV 8 filters at each return air grill for air handlers used during construction. Upon completion of construction, conduct a two-week building flush out with the new air filters and 100% outdoor air prior to occupancy.
<b>INNOVATION AND DESIGN PROCESS</b>	
Credit 1.1-1.4: Innovation in Operations 1-4 Points	Upgrade to a MERV 14 or 15 air filter, that offers lower initial pressure drop. Document supplier source reductions, use air filters with recycled content, and utilize gaskets on all filters and holding frames.

# LEED Certification Chart Continued



## LEED® for New Construction\*

(\*includes LEED for New Construction, LEED for Schools, LEED for Commercial Interiors, LEED for Core and Shell Development)

LEED Category	Recommended Activities
<b>ENERGY AND ATMOSPHERE</b>	
Prerequisite 2: Minimum Energy Performance Required Activity	Use Airguard's Owning and Operating Tool to understand the impact of the filter airflow resistance on HVAC system energy usage costs
Credit 1: Optimize Energy Performance 1-10 Points; 2 Points Mandatory	Use an energy analysis tool to understand the impact of the filter airflow resistance on HVAC system energy usage costs.
Credit 1.3: Optimize Energy Performance, HVAC (LEED for Commercial Interiors) 1-2 Points	Complete life cycle and energy cost analysis on the HVAC filter system and switch to a lower resistance air filter to reduce energy costs and loads.
Credit 5: Measurement and Verification 1 Point	Use pressure gauges to measure resistance to airflow to determine the appropriate change out cycle for filters.
Credit 3: Energy use, Measurement and Payment Accountability (LEED for Commercial Interiors). 2 Point	
Credit 5.2: Measurement and Verification– Tenant Sub-metering (LEED for Core and Shell Development). 1 Point	
<b>INDOOR ENVIRONMENTAL QUALITY</b>	
Prerequisite 1: Minimum IAQ Performance Required Activity	Install MERV 6 or above air filters
Prerequisite 2: Environmental Tobacco Smoke (ETS) Control (N/A LEED for Schools) Required Activity	Install Airguard equipment and use Airguard chemical media to remove airborne contaminants from smoking room. Install HEPA filter to filter exhaust air to the outside.
Credit 1: Outdoor Air Delivery Monitoring 1 Point	Use pressure gauges to measure resistance to airflow to determine the appropriate change out cycle for filters.
Credit 3.1: Construction IAQ Management Plan: During Construction. 1 Point	Install MERV 8 filters at each return air grill for air handlers used during construction.
Credit 3.2: Construction IAQ Management Plan: Before Occupancy (N/A LEED for Core and Shell Development) 1 Point	Upon completion of construction, conduct a two-week building flush out with new air filters and 100% outdoor air prior to occupancy.
Credit 5: Indoor Chemical and Pollutant Source Control 1 Point	Install MERV 13 or higher rated filters. Follow a regular schedule for air filters maintenance to keep unfiltered bypass air from entering the ductwork and breathing air. Install Airguard equipment and use Airguard chemical media to remove airborne contaminants.
<b>INNOVATION AND DESIGN PROCESS</b>	
Credit 1.1-1.4: Innovation in Design 1-4 Points	Document supplier source reductions, use air filters with recycled content, and utilize gaskets on all filters and holding frames



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